

University of Maine System  
Board of Trustees

## Investment Committee

May 16, 2024 at 9:00 a.m.

Via Zoom

The public is invited to view the meeting on YouTube. The link to the Board of Trustees YouTube page can be found the Board website: <https://www.maine.edu/board-of-trustees/>

## AGENDA

9:00am Chair's Opening Remarks

9:05am

**TAB 1** Approval of Non-Voting, Non-Trustee Member – Jim Bradley – 2nd Term

9:10 – 10:30 am NEPC

**TAB 2** NEPC Capital Markets Review & Quarterly Performance

**TAB 3** Global Equity Manager Recommendation

**TAB 4** Global Asset Allocation Manager Recommendation

10:30 am CAPTRUST

**TAB 5** Defined Contribution Plans – Quarterly Review

**TAB 6** Terminated Participants – Small Balance Payout Increase to \$7,000 Threshold

**TAB 7** Defined Contribution Plans – Fee Benchmarking and Share Class Analysis

**TAB 8** Defined Contribution Plans Investment Policy Statement

11:20 am Executive Session

Action items within the Committee purview are noted in green.

Items for Committee decisions and recommendations are noted in red.

*Note: Times are estimated based upon the anticipated length for presentation or discussion of a particular topic. An item may be brought up earlier or the order of items changed for effective deliberation of matters before the Committee.*

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

*(Committee Action item within the Committee Purview)*

**NAME OF ITEM:** Approval of Non-Voting, Non-Trustee Member – Jim Bradley – 2<sup>nd</sup> Term

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:**

**BOARD ACTION:** X

**BOARD POLICY:**

Section 709 - Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System's investments and the employee defined contribution plan.

**BACKGROUND:**

Trustee Martin, Chair of the Investment Committee, and Board of Trustees Chair Riley, recommend the reappointment of Jim Bradley to a second term as a non-voting, non-trustee member of the Investment Committee.

Mr. Bradley is the Founder and Chief Investment Officer of Penobscot Financial Advisors (PFA) with offices in Bangor and Portland. With \$460 million in assets under management, PFA provides comprehensive financial planning services to over 700 households including advising many UMS employees and retirees. A graduate of the University of Connecticut, Mr. Bradley is a Certified Financial Planner, Chartered Financial Analyst, and a Chartered Alternative Investment Analyst. He also serves on the Board of Hospice Volunteers of Hancock County.

**TEXT OF PROPOSED RESOLUTION:**

That the Board of Trustees, acting through the Investment Committee, approves the reappointment of Jim Bradley for a three-year term as a non-voting, non-trustee member of the Investment Committee effective May 16, 2024.

05/07/2024

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

**NAME OF ITEM:** NEPC Capital Markets Review & Quarterly Performance

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:** X

**BOARD ACTION:**

**BOARD POLICY:**

Section 709 - Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System's (UMS) investments.

**BACKGROUND:**

Kelly Regan and Matt Landen of NEPC will provide a brief overview of performance for all three UMS portfolios for the quarter ended March 31, 2024.

NEPC will refer to the enclosed executive summary performance report during the May 16, 2024 Investment Committee meeting. The supplemental performance materials for the quarter ended March 31, 2024 are for reference purposes only and will not be reviewed during the meeting.

Attachment

[Q1 2024 UMS-Performance Summary](#)

[2024 Q1 UMS Supplemental Performance - MIP, Pension & OF](#)



# FIRST QUARTER 2024 INVESTMENT PERFORMANCE SUMMARY

UNIVERSITY OF MAINE SYSTEM

MAY 16, 2024

Kelly Regan, Partner  
Matt Landen, CFA, Consultant  
Lauren Carlson, Consulting Analyst



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# NEPC'S ANNUAL INVESTMENT CONFERENCE

## SAVE THE DATE

- Please save the date for our Investment Conference on **Monday, September 9** and **Tuesday, September 10**
- We are thrilled to welcome you back to Boston this year at the **Westin Copley Place Hotel**
- In addition to our dynamic speakers and breakout sessions, there will also be plenty of opportunities to network with your peers
- Registration and additional details will follow in the coming months. Please reach out to Sarah Winrow: [swinrow@nepc.com](mailto:swinrow@nepc.com) with any questions



# MARKET OUTLOOK



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# TRAILING ANNUAL INDEX PERFORMANCE

Equity						
	Mar-24	YTD	1 YR	3 YR	5 YR	10 YR
MSCI ACWI	3.1%	8.2%	23.2%	7.0%	10.9%	8.7%
S&P 500	3.2%	10.6%	29.9%	11.5%	15.0%	13.0%
Russell 1000	3.2%	10.3%	29.9%	10.5%	14.8%	12.7%
Russell 2000	3.6%	5.2%	19.7%	-0.1%	8.1%	7.6%
Russell 2500	4.1%	6.9%	21.4%	3.0%	9.9%	8.8%
MSCI EAFE	3.3%	5.8%	15.3%	4.8%	7.3%	4.8%
MSCI EM	2.5%	2.4%	8.2%	-5.1%	2.2%	2.9%

Credit						
	Mar-24	YTD	1 YR	3 YR	5 YR	10 YR
BBG Global Agg	0.6%	-2.1%	0.5%	-4.7%	-1.2%	-0.1%
BBG US Agg	0.9%	-0.8%	1.7%	-2.5%	0.4%	1.5%
BBG Credit	1.2%	-0.4%	4.1%	-1.9%	1.4%	2.5%
BBG US HY	1.2%	1.5%	11.2%	2.2%	4.2%	4.4%
BBG Muni	0.0%	-0.4%	3.1%	-0.4%	1.6%	2.7%
BBG Muni HY	1.2%	1.5%	7.9%	0.6%	3.0%	4.6%
BBG TIPS	0.8%	-0.1%	0.5%	-0.5%	2.5%	2.2%
BBG 20+ STRIPS	1.1%	-6.0%	-12.2%	-12.6%	-5.1%	1.2%
BBG Long Treasuries	1.2%	-3.3%	-6.1%	-8.0%	-2.8%	1.2%
BBG Long Credit	1.9%	-1.6%	3.3%	-4.3%	0.8%	3.1%
BBG Govt/Credit 1-3 Yr	0.4%	0.4%	3.5%	0.2%	1.4%	1.3%
JPM EMBI Glob Div	2.1%	2.0%	11.3%	-1.4%	0.7%	3.0%
JPM GBI-EM Glob Div	0.0%	-2.1%	4.9%	-1.6%	0.1%	-0.3%

Real Assets						
	Mar-24	YTD	1 YR	3 YR	5 YR	10 YR
BBG Commodity	3.3%	2.2%	-0.6%	9.1%	6.4%	-1.6%
Alerian Midstream Index	6.5%	10.2%	24.6%	20.5%	10.5%	4.8%
NAREIT Composite Index	1.9%	-1.3%	8.4%	2.1%	3.6%	6.7%



Source: S&amp;P, MSCI, Russell, Bloomberg, JPM, Alerian, FTSE, FactSet



# MARKET OUTLOOK



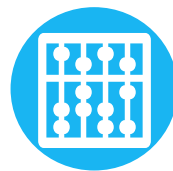
**Stronger-than-expected economic data and concerns over stickier inflation have subdued market rate cut expectations**



**Performance within the Magnificent 7 diverged as A.I.-related guidance drove returns for a narrower set of companies**



**Market breadth expanded during the quarter and we continue to support U.S. large-cap value & RAFL exposures**



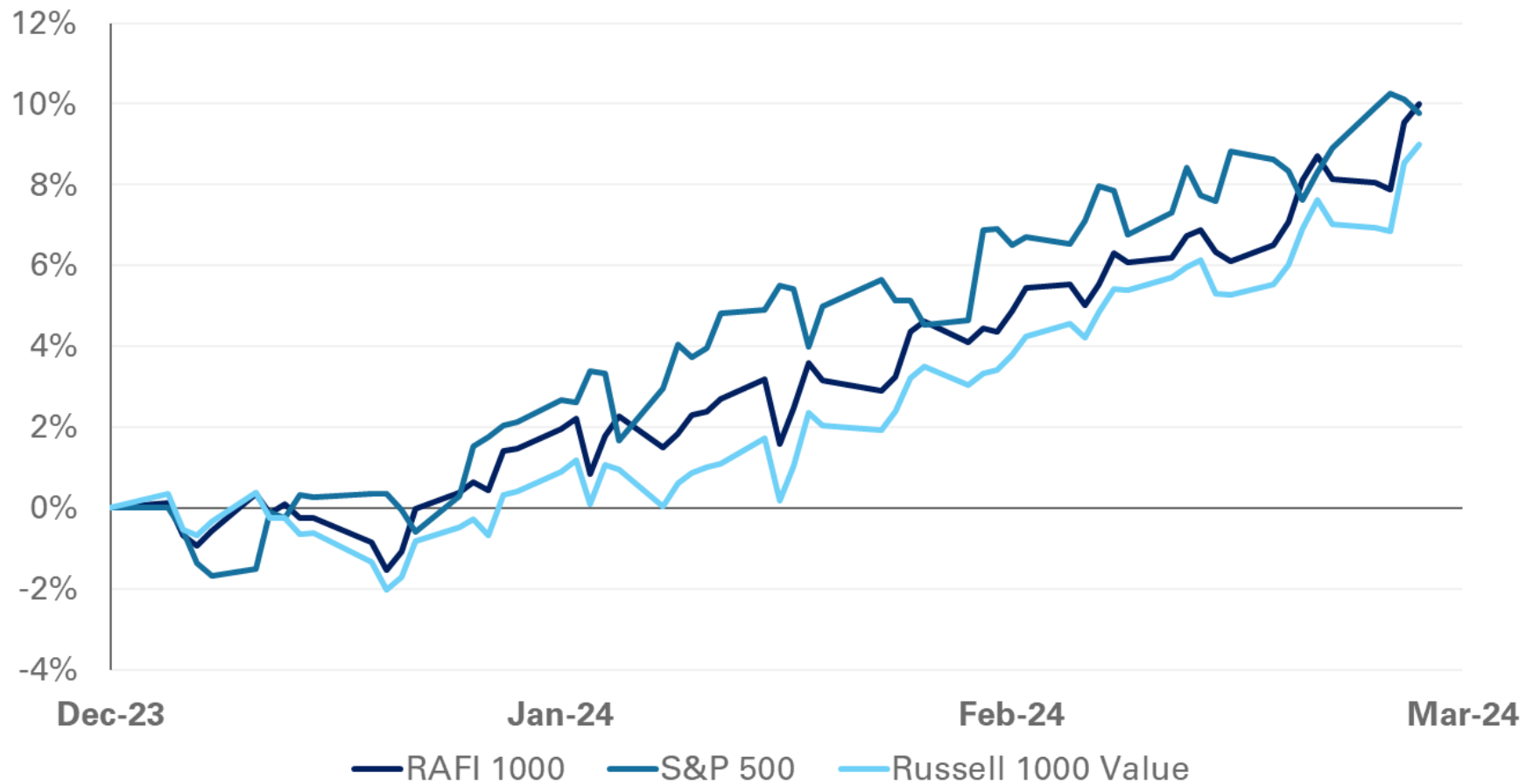
**Cash yields are attractive - we remain comfortable holding greater levels of cash to heighten portfolio liquidity levels**



**The all-in yield on U.S. high yield bonds remains attractive, but current spread levels are approaching historical lows**

# THE S&P RALLY EXPANDED BEYOND THE MAG-7

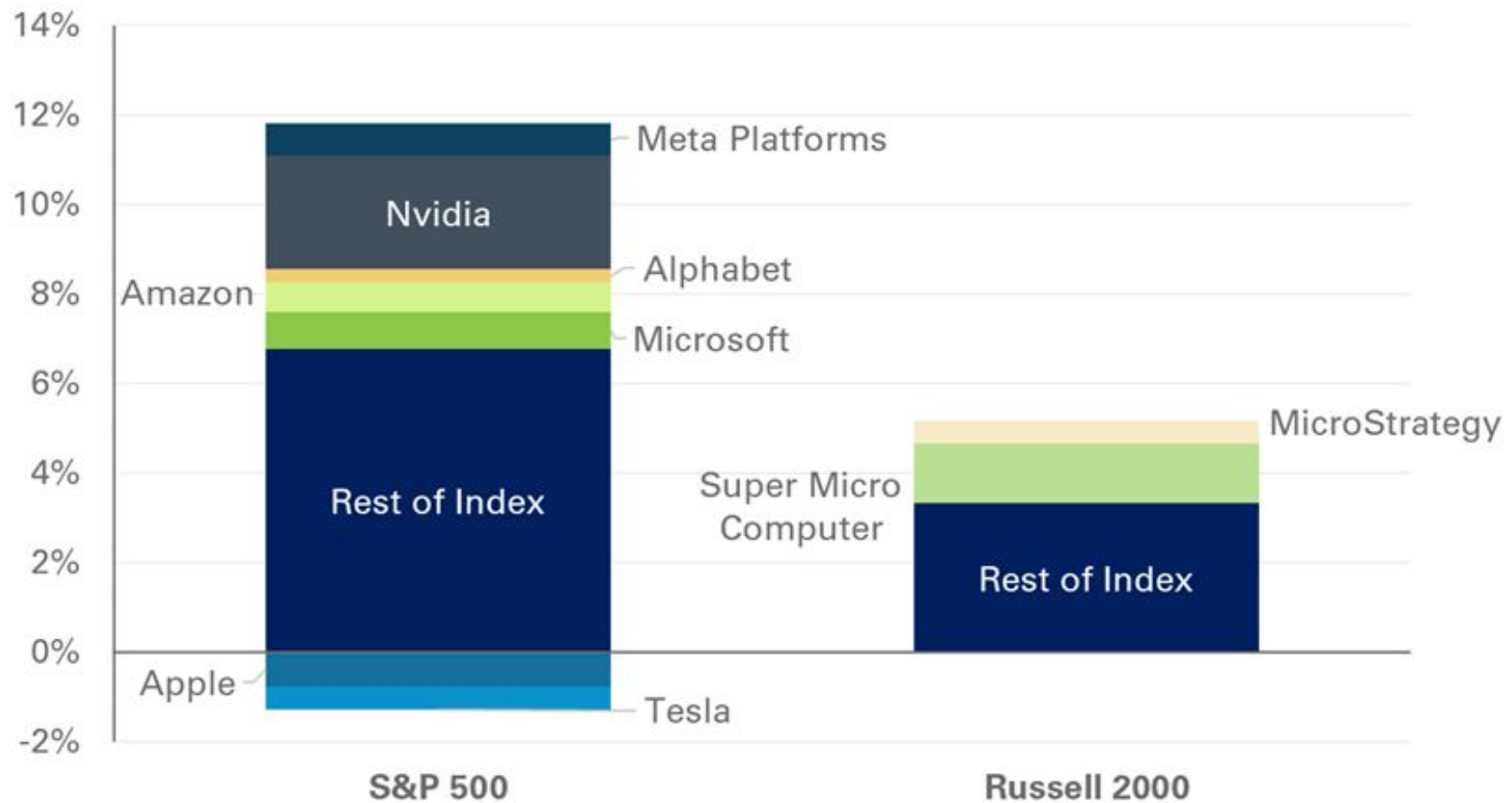
## CUMULATIVE TOTAL RETURNS



Sources: FTSE, S&P, Russell, FactSet

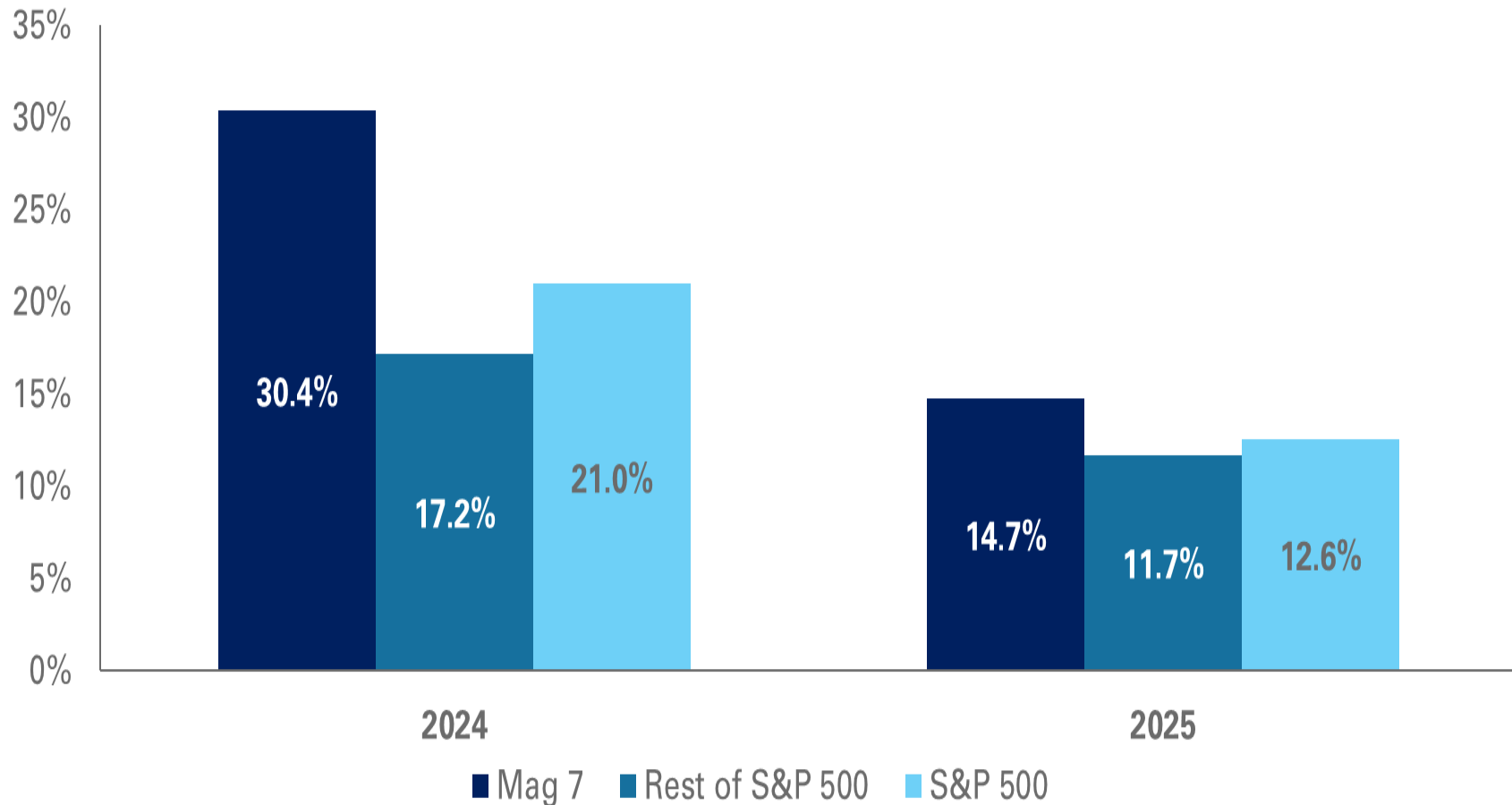
# TOP NAMES STILL DRIVING INDEX RETURNS...

## CONTRIBUTIONS TO QUARTERLY TOTAL RETURNS



# EARNINGS EXPECTATIONS ARE A HIGH HURDLE

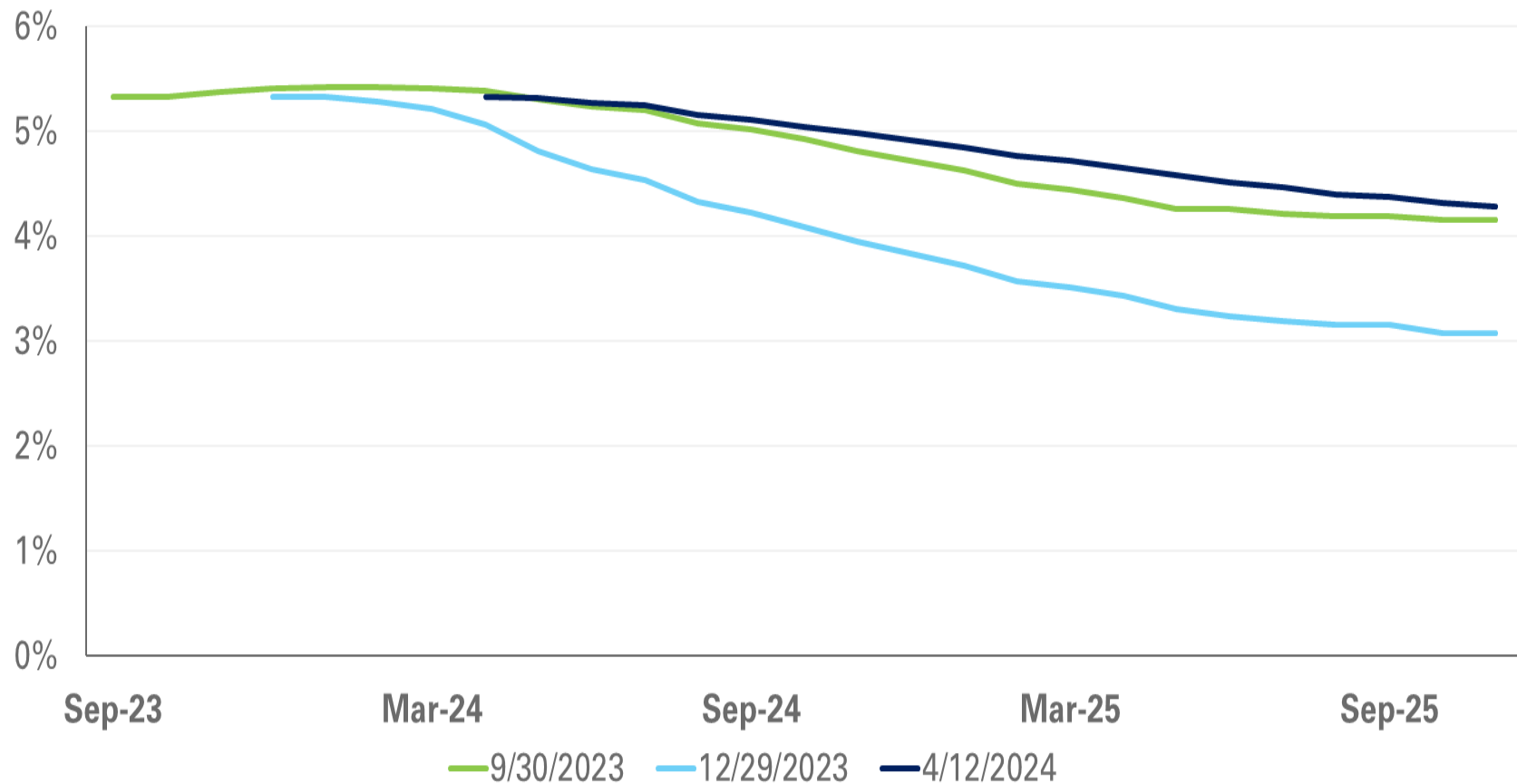
## CALENDAR YEAR EARNINGS GROWTH FORECASTS



Earnings forecasts are based on analyst earnings estimates as of 3/31/2024; Mag 7 index weights as of 3/31/2024 held constant  
Sources: S&P, FactSet

# RETURNS DECOUPLED FROM RATE EXPECTATIONS

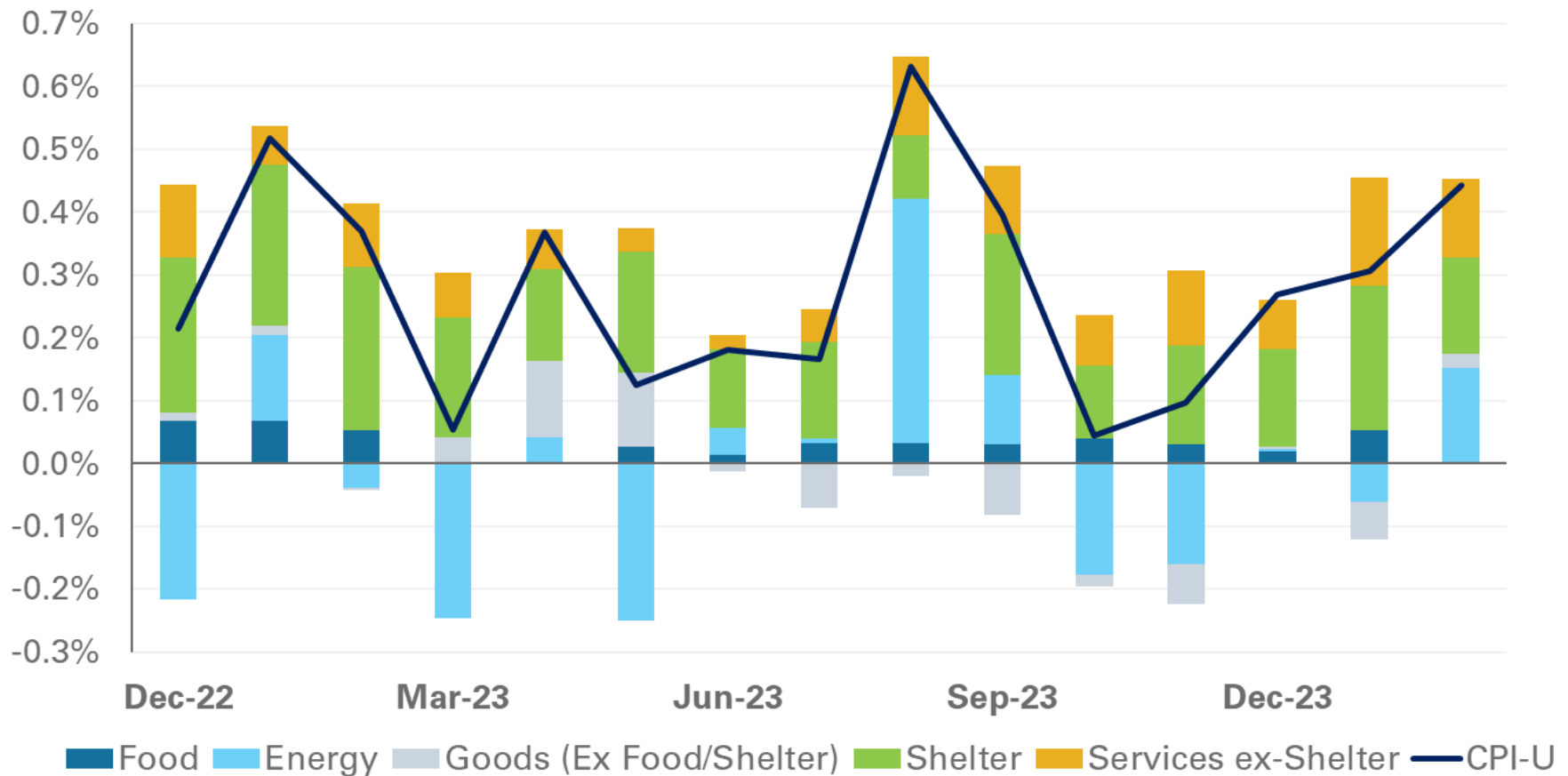
## FED FUND FUTURES CURVE



Source: FactSet

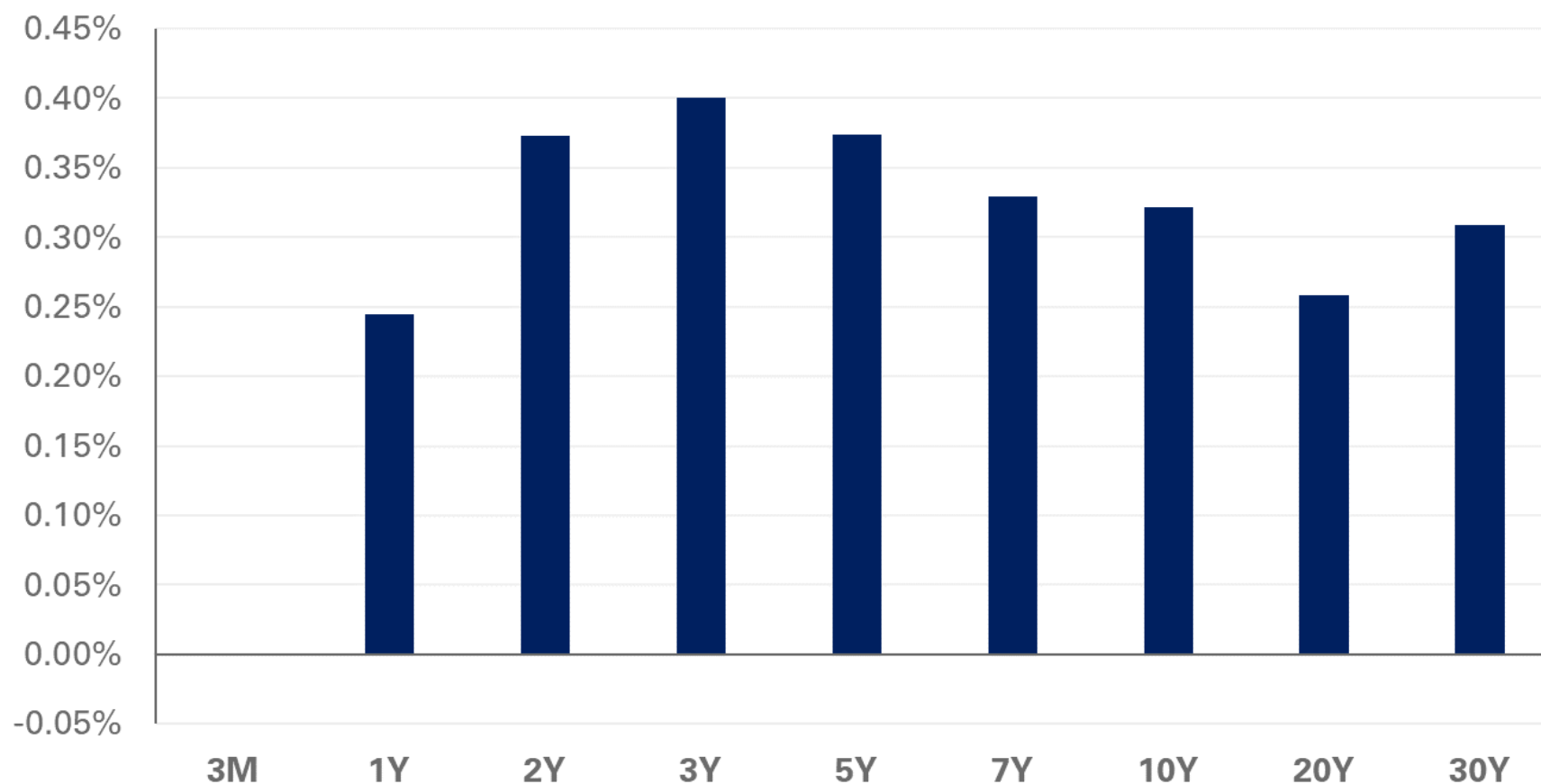
# U.S. INFLATION METRICS HAVE RE-ACCELERATED

## MONTHLY CHANGES IN CPI-U BY CATEGORY



# RESILIENT DATA PUSHED RATES HIGHER

## QUARTERLY CHANGE IN U.S. TREASURY YIELD CURVE



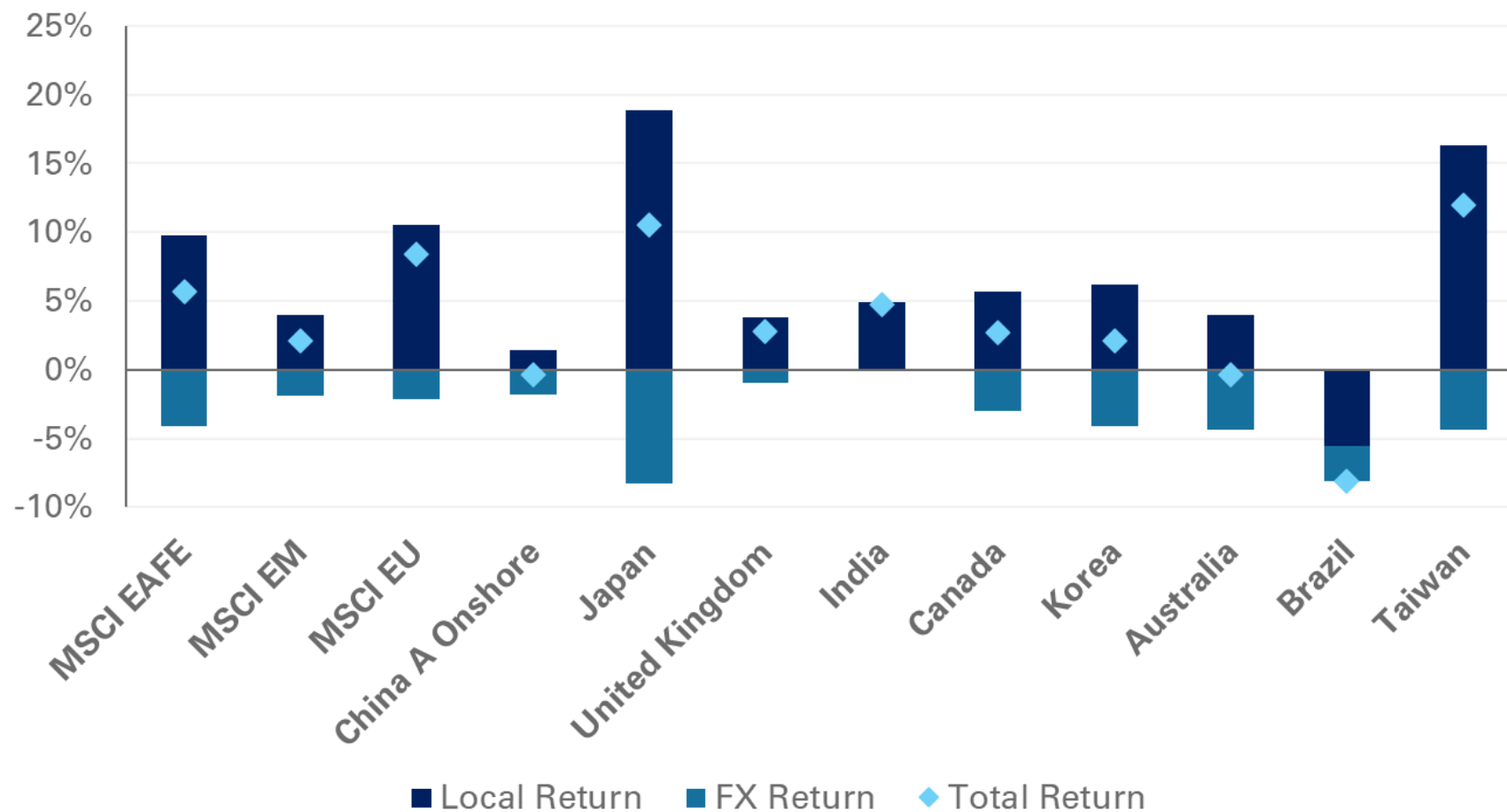
Note: Change calculated 12/31/2023-3/31/2024  
Source: FactSet





# A STRONG DOLLAR WEIGHED ON NON-U.S. ASSETS

## QUARTERLY TOTAL RETURNS



Sources: MSCI, FactSet

# CONCLUDING THOUGHTS



▶ The Fed's bias to lower rates is disconnected from current easy financial conditions and sticky inflation pressures



▶ We expect interest rates to remain "higher-for-longer" and do not foresee a recession in 2024



▶ The path for the economy hinges on the labor market; robust jobs data reinforces a "no recession" outcome



▶ Look to hold greater levels of portfolio liquidity as markets continue adapting to the new investment regime

# PORTFOLIO POSITIONING VIEWS

## CURRENT OPPORTUNITIES

Global equity strategies remain a compelling opportunity and we **encourage greater use of active equity approaches**

Be mindful of strategic equity targets, and we continue to advocate for the **use of value to complement U.S. large-cap exposure**

We see a **favorable environment for diversified real assets** exposure considering potential geopolitical events and upside inflation risks

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

# Q1 2024 PERFORMANCE REVIEW



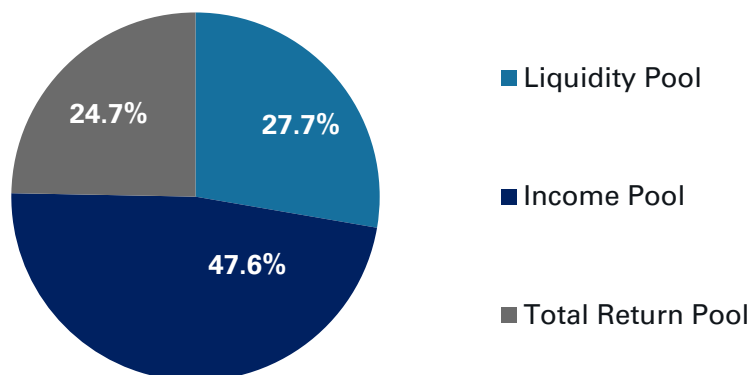
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# OPERATING FUND EXECUTIVE SUMMARY

## Asset Allocation

Plan Assets: \$276.8 Million



## Portfolio Performance: Net of Fees (%)

	3 MO	FYTD	1 YR	3 YRS	5 YRS	10 YRS
COMPOSITE	2.0	6.4	7.7	2.6	4.0	3.0
ALLOCATION INDEX	2.0	6.3	7.7	2.7	3.5	2.9

## Plan Comments

### Asset Allocation

The Fund's assets as of March 31, 2024, were \$276.8 million. This represents a \$6.1M increase from the previous quarter.

The Liquidity Pool (27.7% vs. 30.0%), Income Pool (47.6% vs. 47.5%) and Total Return Pool (24.7% vs. 22.5%) are within policy ranges.

### Performance

The Fund returned 2.0% during the first quarter 2024 and is positive 7.7% over the trailing 1-year. The Fund's active managers performed in line with the allocation index both quarter- and trailing one year. The Fund's manager performance has been strong over the long-term time periods outperforming the Allocation Index during the 5- and 10-year periods.

## Recent Actions | Recommendations

### Recent Actions

Rebalancing was provided over the quarter to bring the Portfolio's current allocations closer to targets.

There were no new manager announcements during the quarter.

### Recommendations

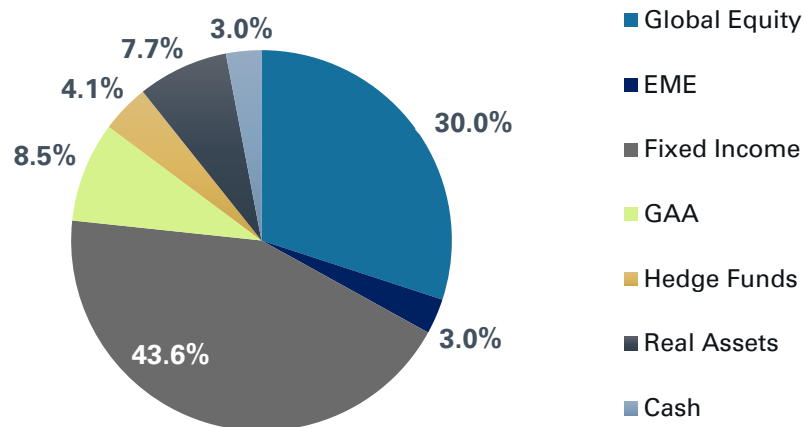
NEPC is recommending a review of the Newton Global Real Return Fund in order to consider a fossil fuel free approach.



# PENSION FUND EXECUTIVE SUMMARY

## Asset Allocation

Plan Assets: \$18.4 Million



## Portfolio Performance: Net of Fees (%)

	3 MO	FYTD	1 YR	3 YRS	5 YRS	10 YRS
COMPOSITE	2.7	6.1	8.0	2.9	5.5	4.5
ALLOCATION INDEX	3.0	7.5	10.0	3.6	5.8	5.1
POLICY INDEX	3.1	8.0	10.4	3.7	5.9	5.3

## Plan Comments

### Asset Allocation

The Fund's assets were \$18.4 million as of March 31, 2024, a decrease of \$0.3 million from the previous quarter. During the quarter, there was a net cash outflow of \$0.8 million and investment increase of \$0.5 million. The Fund allocation is within policy ranges.

### Performance

The Fund returned 2.7% during the first quarter 2024 and is positive 8.0% over the trailing 1-year. During the quarter, the Fund underperformed the allocation index by 30 basis points, with global and emerging markets equity managers detracting from performance. Over the 1-year time period, the Fund has underperformed the allocation index by 200 basis points, driven by defensive positions such as Lighthouse.

## Recent Actions | Recommendations

### Recent Actions

Rebalancing was provided over the quarter to cover benefit payments and expenses.

There was one manager announcement during the quarter and no action is recommended.

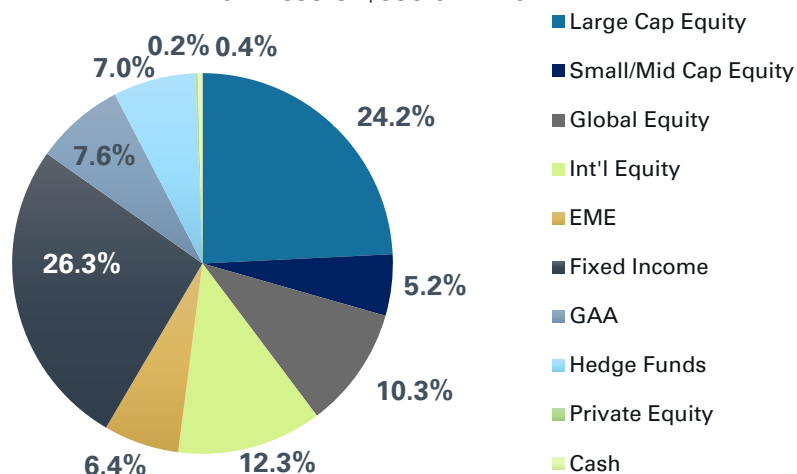
### Recommendations

NEPC is recommending a review of the Newton Global Real Return Fund in order to consider a fossil fuel free approach.

# MIP EXECUTIVE SUMMARY

## Asset Allocation

Plan Assets: \$396.6 Million



## Portfolio Performance: Net of Fees (%)

	3 MO	FYTD	1 YR	3 YRS	5 YRS	10 YRS
COMPOSITE	5.2	10.8	14.7	4.1	7.2	5.4
ALLOCATION INDEX	5.3	11.7	16.1	5.0	8.0	6.3
POLICY INDEX	5.4	11.7	16.0	4.8	7.8	6.4
RANK (E&F \$100-500M)	33	38	45	54	83	95

## Plan Comments

### Asset Allocation

MIP assets were \$396.6 as of March 31, 2024, a \$19.6 million increase over the quarter. During the quarter, there were \$0.2 million in net cash outflows and investment gains of \$19.8 million. The Fund allocations are within policy ranges.

### Performance

The Fund returned 5.2% during the first quarter 2024 and is positive 14.7% over the trailing 1-year. During the quarter and 1-year periods, managers in aggregate have underperformed the allocation index by 10 and 140 basis points, respectively. Some of the largest detractors from relative performance over the 1-year period are Walter Scott, Mondrian, and Aberdeen. The Fund ranked above median for the quarter and 1-year period given the larger allocation to public equity compared to peers.

## Recent Actions | Recommendations

### Recent Actions

Rebalancing was provided over the quarter to raise cash for distributions and to bring the Portfolio's current allocations closer to targets.

There was one manager announcement during the quarter and no action is recommended.

### Recommendations

NEPC is recommending a review of UMS's global equity portfolio.

NEPC is recommending a review of the Newton Global Real Return Fund in order to consider a fossil fuel free approach.



# DUE DILIGENCE MONITOR

The items below summarize the recent quarter's performance and any changes or announcements from your Plan managers/funds. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a summary is provided separately. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. With respect to Performance, a "-" indicates the manager/fund performed in line with the majority of managers/funds in the category; only outliers (placement in the Top or Bottom Quartile) are highlighted. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data). NEPC considers ourselves to be a fiduciary, as ERISA defines the term in Section 3(21).

Fund	Portfolio	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations
Vanguard Advisers	Pension, MIP	Yes	No Action

NEPC Due Diligence Committee Recommendation Key	
<b>No Action</b>	Informational items have surfaced; no action is recommended.
<b>Watch</b>	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.
<b>Hold</b>	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.
<b>Client Review</b>	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.
<b>Terminate</b>	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.



# MIP PERFORMANCE OVERVIEW

Ending March 31, 2024

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	FYTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	ESG Rank
MIP Composite	\$ 396,593,777	100%	100%	5.2	33	10.8	38	14.7	45	4.1	54	7.2	83	5.4	95	
Allocation Index				5.3		11.7		16.1		5.0		8.0		6.3		
Policy Index				5.4		11.7		16.0		4.8		7.8		6.4		
InvMetrics All E&F \$100mm - \$500mm Median				4.7		10.3		14.2		4.1		7.9		6.5		
Total Domestic Large Cap	\$96,088,945	24.2%	25.0%	10.4	49	19.8	46	30.4	33	11.6	29	15.1	22	12.9	15	
S&P 500 Index				10.6		19.4		29.9		11.5		15.0		13.0		
SSgA Fossil Fuel Free S&P 500 Index	\$96,088,945	24.2%	25.0%	10.4	49	19.6	49	30.4	34	-	-	-	-	-	-	3
S&P 500 Fossil Fuel Free Index				10.5		19.6		30.5								
Total Domestic Small/Mid Cap	\$20,731,418	5.2%	5.0%	8.0	42	16.8	39	21.6	41	6.7	29	13.2	16	9.8	32	
Russell 2500 Index				6.9		15.4		21.4		3.0		9.9		8.8		
Westfield Capital	\$10,423,759	2.6%	2.5%	11.5	24	15.1	31	19.5	40	3.7	28	12.3	32	10.1	37	1
Russell 2500 Growth Index				8.5		13.8		21.1		-0.8		9.4		9.6		
DFA	\$10,307,659	2.6%	2.5%	4.6	62	18.3	27	23.7	23	9.7	12	13.2	15	8.8	28	4
Russell 2000 Value Index				2.9		15.1		18.8		2.2		8.2		6.9		
Global Equity	\$40,898,714	10.3%	10.0%	7.4		11.4		17.8		7.3						
MSCI World Index (Net)				8.9		17.1		25.1		8.6						
Walter Scott Global Equity	\$40,898,714	10.3%	10.0%	7.4	47	11.4	67	17.8	57	7.3	35	-	-	-	-	2
MSCI World Index (Net)				8.9		17.1		25.1		8.6						
Total International Equity (including emerging markets)	\$74,311,785	18.7%	19.0%	3.7	71	9.0	64	11.9	62	-1.5	79	3.4	96	2.5	99	
MSCI EAFE (Net)				5.8		12.0		15.3		4.8		7.3		4.8		
Silchester International Value Equity	\$19,944,916	5.0%	5.0%	1.7	88	10.8	53	13.9	51	-	-	-	-	-	-	3
JO Hambro	\$20,921,893	5.3%	5.0%	8.4	8	13.4	25	19.0	10	-1.4	86	-	-	-	-	3
MSCI EAFE (Net)				5.8		12.0		15.3		4.8						
Axiom International Small Cap Equity	\$8,125,215	2.0%	2.0%	6.6	11	9.8	52	8.7	57	-	-	-	-	-	-	1
MSCI EAFE Small Cap (Net)				2.4		9.8		10.4								
Emerging Markets Equity	\$25,319,760	6.4%	7.0%	0.9	80	4.0	81	6.4	72	-3.2	47	4.3	43	2.6	82	
Emerging Markets Equity Custom Benchmark				1.7		10.3		14.3		-0.4		5.4		4.5		
Aberdeen Emerging Mkts	\$18,038,533	4.5%	5.0%	1.7	71	3.1	85	2.9	87	-9.3	94	1.1	89	2.0	93	1
MSCI Emerging Markets (Net)				2.4		7.2		8.2		-5.1		2.2		2.9		
Mondrian EM Small Cap	\$7,281,227	1.8%	2.0%	-1.0	94	5.7	69	13.9	31	4.1	15	7.9	11	-	-	2
MSCI Emerging Markets Small Cap				1.1		13.3		20.6		4.2		8.5				



Rankings for the individual managers are based on the manager's respective peer universe. i.e. SSgA S&P 500 is ranked in US Large Cap Core Equity.

# MIP PERFORMANCE OVERVIEW

Ending March 31, 2024

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	FYTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	ESG Rank
<b>Total Fixed Income</b>	\$104,470,177	26.3%	26.5%	0.3	48	4.3	41	4.5	39	0.2	38	2.3	26	2.5	35	
<i>Blmbg. U.S. Aggregate Index</i>				-0.8		2.6		1.7		-2.5		0.4		1.5		
Fidelity Intermediate Bond Fund	\$19,773,615	5.0%	5.0%	-1.0	99	1.5	100	-	-	-	-	-	-	-	-	3
<i>Blmbg. U.S. Treasury Index</i>				-1.0		1.4										
<b>Commonfund</b>	\$25,754,729	6.5%	6.5%	-0.4	43	2.6	77	2.1	63	-2.4	64	0.5	71	1.8	52	3
<i>Blmbg. U.S. Aggregate Index</i>				-0.8		2.6		1.7		-2.5		0.4		1.5		
Vanguard Inflation-Protected Securities	\$19,753,493	5.0%	5.0%	-0.1	81	1.8	64	0.2	64	-0.7	67	2.4	68	-	-	4
<i>Blmbg. U.S. TIPS</i>				-0.1		1.9		0.5		-0.5		2.5				
Blackrock Strategic Income Opportunities	\$19,556,571	4.9%	5.0%	0.9	46	6.1	39	6.7	34	1.0	31	3.1	26	-	-	1
<i>ICE BofA LIBOR 3-month Constant Maturity</i>				1.3		4.1		5.4		2.6		2.2				
Bain Capital Senior Loan Fund	\$19,631,769	5.0%	5.0%	2.6	37	9.2	29	12.6	21	5.6	29	5.5	10	-	-	2
<i>Credit Suisse Leveraged Loan Index</i>				2.5		9.0		12.4		5.8		5.3				
<b>Total GAA</b>	\$29,975,685	7.6%	7.5%	5.2	29	9.7	44	8.6	68	1.5	68	3.0	83	2.5	87	
<i>40% Bloomberg Agg/30% MSCI ACWI/30% ICE BoA 91-day T-Bills*</i>				2.5		7.0		9.0		2.1		4.5		4.6		
Newton Global Real Return	\$29,975,685	7.6%	7.5%	5.2	29	9.7	44	8.6	68	1.5	68	4.5	62	-	-	1
<i>40% Bloomberg Agg/30% MSCI ACWI/30% ICE BoA 91-day T-Bills</i>				2.5		7.0		9.0		2.1		4.3				
<b>Total Hedge Funds</b>	\$27,722,157	7.0%	7.0%	4.0	58	6.0	68	8.0	70	3.5	52	8.2	49	4.4	70	
<i>HFRI Fund of Funds Composite Index</i>				4.2		8.0		9.7		2.9		5.0		3.6		
Lighthouse	\$27,722,157	7.0%	7.0%	4.0	58	6.0	68	8.0	70	3.5	52	8.2	49	-	-	4
<i>Credit Suisse Long/Short Equity</i>				6.7		11.6		13.8		5.7		6.8				
<b>Private Equity</b>	\$936,531	0.2%	0.0%	0.0		-1.8		-2.6		-2.8		4.5				
Landmark Equity Partners XV	\$936,531	0.2%	0.0%	0.0	-	-1.8	-	-2.6	-	-2.8	-	4.5	-	-	-	N/A
<i>C/A US All PE (1 Qtr Lag)</i>				2.9		6.1		8.9		14.5		15.7				
<b>Total Cash</b>	\$1,458,365	0.4%	0.0%													
Distribution Account	\$1,458,365	0.4%	0.0%	0.6	-	2.3	-	3.7	-	2.1	-	1.5	-	1.0	-	
<i>90 Day U.S. Treasury Bill</i>				1.3		4.0		5.2		2.6		2.0		1.4		



Rankings for the individual managers are based on the manager's respective peer universe. i.e. SSgA S&P 500 is ranked in US Large Cap Core Equity.

# PENSION FUND PERFORMANCE OVERVIEW

Ending March 31, 2024

	Market Value(\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	FYTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	ESG Rank
Pension Composite	\$ 18,357,964	100.0%	100.0%	2.7	79	6.1	84	8.0	84	2.9	69	5.5	78	4.5	88	
Allocation Index				3.0		7.5		10.0		3.6		5.8		5.1		
Policy Index				3.1		8.0		10.4		3.7		5.9		5.3		
Total Global Equity	\$5,515,733	30.0%	30.0%	7.5		12.3		19.0		7.8						
MSCI World				8.9		17.1		25.1		8.6						
Walter Scott Global Equity Fund	\$5,515,733	30.0%	30.0%	7.5	45	12.3	63	19.0	52	7.8	27	-	-	-	-	2
MSCI World Index (Net)				8.9		17.1		25.1		8.6						
Emerging Markets Equity	\$542,184	3.0%	3.0%	-1.0	94	5.7	69	13.9	31	4.1	15	7.9	11	3.4	60	
Emerging Markets Equity Benchmark				1.1		13.3		20.6		4.2		8.4		6.0		
Mondrian EM Small Cap	\$542,184	3.0%	3.0%	-1.0	94	5.7	69	13.9	31	4.1	15	7.9	11	-	-	2
MSCI Emerging Markets Small Cap				1.1		13.3		20.6		4.2		8.5				
Total Fixed Income	\$8,012,128	43.6%	48%	0.1	57	4.2	44	4.0	46	-0.7	52	1.6	45	2.1	49	
Blmbg. U.S. Aggregate Index				-0.8		2.6		1.7		-2.5		0.4		1.5		
Fidelity Intermediate Bond Fund	\$849,790	4.6%	5.0%	-1.0	99	1.5	100	-	-	-	-	-	-	-	-	3
Blmbg. U.S. Treasury Index				-1.0		1.4										
Baird Aggregate Bond Fund - BAGIX	\$4,556,415	24.8%	25.0%	-0.5	45	3.4	25	2.8	19	-2.2	48	-	-	-	-	3
Bloomberg US Aggregate TR				-0.8		2.6		1.7		-2.5						
Vanguard Inflation-Protected Securities	\$671,848	3.7%	8.0%	-0.2	82	1.8	67	0.2	64	-0.7	67	2.4	68	-	-	4
Bloomberg US TIPS TR				-0.1		1.9		0.5		-0.5		2.5				
BlackRock Strategic Income Opportunities	\$883,371	4.8%	5.0%	0.9	46	6.1	38	6.7	34	1.0	31	3.1	26	-	-	1
3-Month Libor Total Return USD				1.3		4.1		5.4		2.6		2.2				
Bain Capital Senior Loan Fund	\$1,050,704	5.7%	5.0%	2.6	37	9.2	29	12.6	21	5.6	29	5.5	10	-	-	2
Credit Suisse Leveraged Loans				2.5		9.0		12.4		5.8		5.3				
Total GAA	\$1,564,450	8.5%	8.0%	5.2	29	9.7	44	8.6	68	1.5	67	4.7	60	3.2	80	
40% Bloomberg Agg/30% MSCI ACWI/30% ICE BoA 91-day T-Bills*				2.5		7.0		9.0		2.1		4.5		4.6		
Newton Global Real Return	\$1,564,450	8.5%	8.0%	5.2	29	9.7	44	8.6	68	1.5	67	4.5	62	-	-	1
40% Bloomberg Agg/30% MSCI ACWI/30% ICE BoA 91-day T-Bills				2.5		7.0		9.0		2.1		4.3				
Total Alternative Investments	\$755,288	4.1%	5.0%	4.0	58	6.0	68	8.0	70	3.5	52	8.2	49	4.7	68	
HFRI Fund of Funds Composite Index				4.2		8.0		9.7		2.9		5.0		3.6		
Lighthouse	\$755,288	4.1%	5.0%	4.0	58	6.0	68	8.0	70	3.5	52	8.2	49	-	-	4
Credit Suisse Long Sht Eqt USD				6.7		11.6		13.8		5.7		6.8				
Total Real Assets	\$1,414,059	7.7%	3.0%													
Principal	\$1,414,059	7.7%	3.0%	-2.0	-	-8.2	-	-9.9	-	2.7	-	3.0	-	6.5	-	N/A
NCREIF ODCE				-2.4		-8.8		-11.3		3.4		3.5		6.8		
Total Cash	\$554,122	3.0%	3.0%													
Distribution Account	\$554,122	3.0%	3.0%	1.2	-	3.3	-	4.3	-	2.1	-	1.5	-	1.0	-	
91 Day T-Bills				1.3		4.0		5.2		2.6		2.0		1.4		



Rankings for the individual managers are based on the manager's respective peer universe. i.e. SSgA S&P 500 is ranked in US Large Cap Core Equity.

# OPERATING FUND PERFORMANCE REVIEW

Ending March 31, 2024

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Rank	FYTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	ESG Rank
Operating Funds Composite	\$276,801,388	100%	100.0%	2.0		6.4		7.7		2.6		4.0		3.0		
Allocation Index				2.0		6.3		7.7		2.7		3.5		2.9		
Liquidity Pool Composite	\$76,723,061	27.7%	30.0%	1.1		3.4		4.5		2.3		1.9		1.3		
State Pool	\$41,022,804	14.8%		0.9		3.0		3.8		2.0		1.8		1.3		
BOA General Fund	\$1,635,599	0.6%		0.4		1.4		1.9		1.2		0.9		0.6		
Federated Gov't Obligations	\$995,110	0.4%		1.3		4.4		6.3		3.0		2.2		-		
JP Morgan US Gov't Money Market Fund	\$33,069,548	11.9%		1.3		3.9		5.3		2.8		2.0		-		
90 Day U.S. Treasury Bill				1.3		4.0		5.2		2.6		2.0				
Income Pool Composite	\$131,669,870	47.6%	47.5%	0.8		5.1		5.5		0.8		2.2		2.0		
Income Research + Management	\$71,936,224	26.0%	26.0%	0.7	38	4.3	47	4.4	40	0.7	37	2.0	22	1.6	31	1
Blmbg. 1-3 Year Gov/Credit Index				0.4		3.9		3.5		0.2		1.4		1.3		
BlackRock Strategic Income Opportunities	\$19,145,857	6.9%	7.0%	0.9	46	6.1	38	6.7	34	1.0	31	3.1	26	-	-	1
ICE BofA LIBOR 3-month Constant Maturity				1.4		4.3		5.6		3.2		2.4				
Baird Aggregate Bond Fund - BAGIX	\$20,826,248	7.5%	7.5%	-0.5	45	3.4	25	2.8	20	-2.2	44	-	-	-	-	2
Blmbg. U.S. Aggregate Index				-0.8		2.6		1.7		-2.5						
Bain Capital Senior Loan Fund	\$19,761,540	7.1%	7.0%	2.6	37	9.2	29	12.6	21	-	-	-	-	-	-	2
Credit Suisse Leveraged Loan Index				2.5		9.0		12.4								
Total Return Pool Composite	\$68,408,458	24.7%	22.5%	5.6		11.6		15.2		5.1		8.7		6.2		
Lighthouse	\$13,678,824	4.9%	5.0%	4.0	58	6.0	68	8.0	70	3.5	52	8.2	49	-	-	4
Credit Suisse Long/Short Equity				6.7		11.6		13.8		5.7		6.8				
Newton Global Real Return	\$12,768,550	4.6%	4.0%	5.2	29	9.7	44	8.6	68	1.5	68	4.5	63	-	-	1
Custom Benchmark				2.5		7.0		9.0		2.1		4.3				
PIMCO All Asset	\$13,213,410	4.8%	4.0%	2.0	77	6.5	78	7.3	76	2.2	53	5.5	50	4.3	55	3
PIMCO All Asset Index III				1.0		5.0		5.2		0.8		3.6		2.8		
Silchester International Value Equity	\$9,596,870	3.5%	3.3%	1.7	88	10.8	53	13.9	51	-	-	-	-	-	-	3
MSCI EAFE (Net)				5.8		12.0		15.3								
SSgA Fossil Fuel Free S&P 500 Index	\$19,150,804	6.9%	6.2%	10.5	49	19.6	49	30.4	34	-	-	-	-	-	-	3
S&P 500 Fossil Fuel Free Index				10.5		19.6		30.5								



Rankings for the individual managers are based on the manager's respective peer universe. i.e. SSgA S&P 500 is ranked in US Large Cap Core Equity.

# MIP PRIVATE MARKETS UPDATE

- **The System invests in one private market manager, committing capital for longer time periods to obtain illiquidity premiums and exposure to alternative markets**
  
- **Landmark Equity Partners XV**
  - Secondary Private Equity fund, purchasing interests in venture capital, growth equity and buyout funds, and to a lesser extent, special situation and energy funds
  - Strategy is diversified, investing in ~200 partnerships
  - Fund has a 4-year investment period and 10-year term
  - The System committed \$5 million in 2014
  - Since inception, the strategy has an IRR of 11.8%, net of fees (09/30/23)

# APPENDIX & DISCLAIMERS



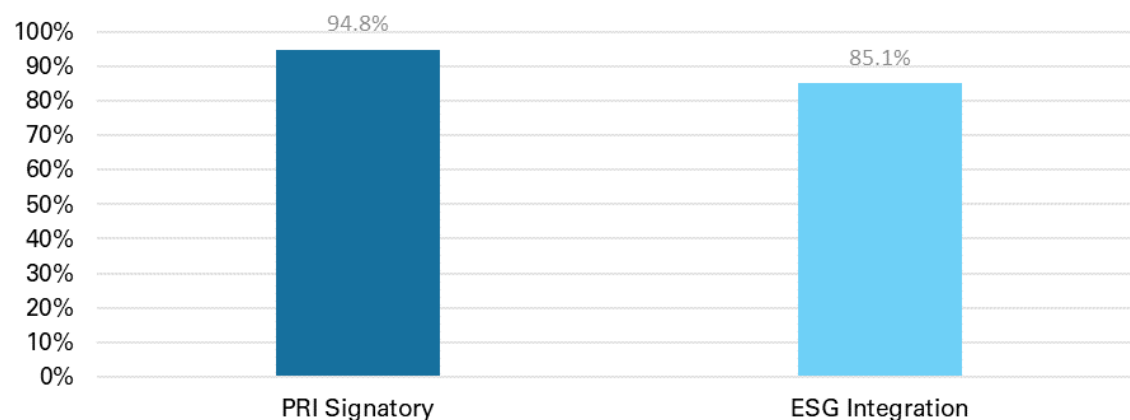


# ESG DASHBOARD - MIP

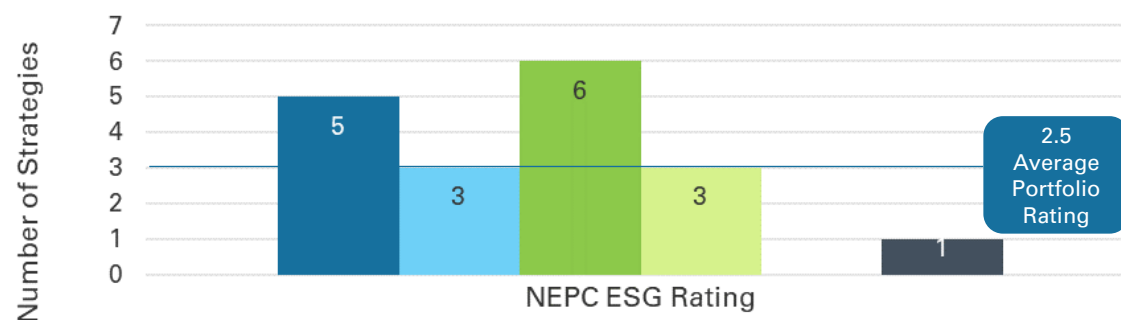
## KEY TERMS

- **PRI Signatory:** A PRI signatory is a firm that has committed to integrating ESG into their investment process according to the six principles in the UN supported Principles for Responsible Investing.
- **ESG Integration:** An investment strategy rated as 1 through 3 according to the NEPC ESG Ratings Framework (which goes up to 5) is considered to have some level of ESG integration, with 1 being the best.
- **ESG Ratings:** NEPC's proprietary ESG Ratings Framework scores investment strategies based on their ESG integration at the firm and strategy level. A 5 has no integration, a 4 has limited integration, a 3 has average integration, a 2 has above average integration, and a 1 is best in class.

Characteristics by Percent of Assets (%)



Manager ESG Ratings



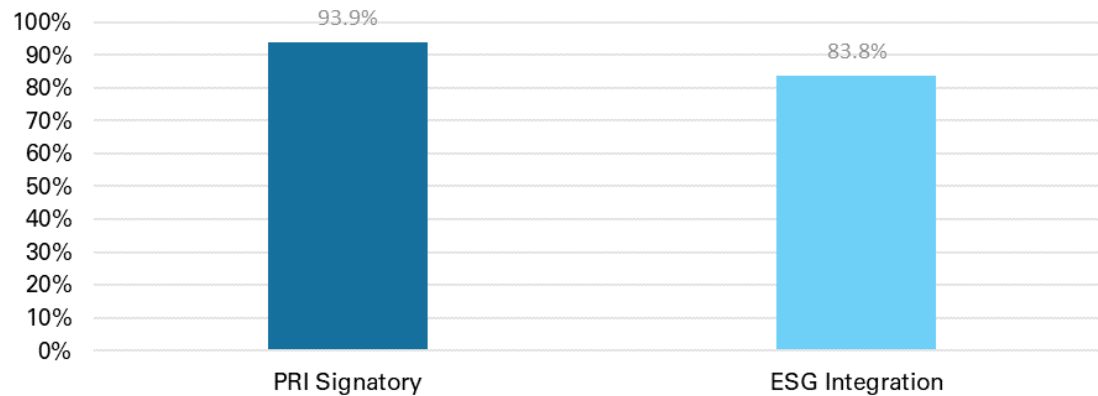
■ 1 Rating ■ 2 Rating ■ 3 Rating ■ 4 Rating ■ 5 Rating ■ Not Rated



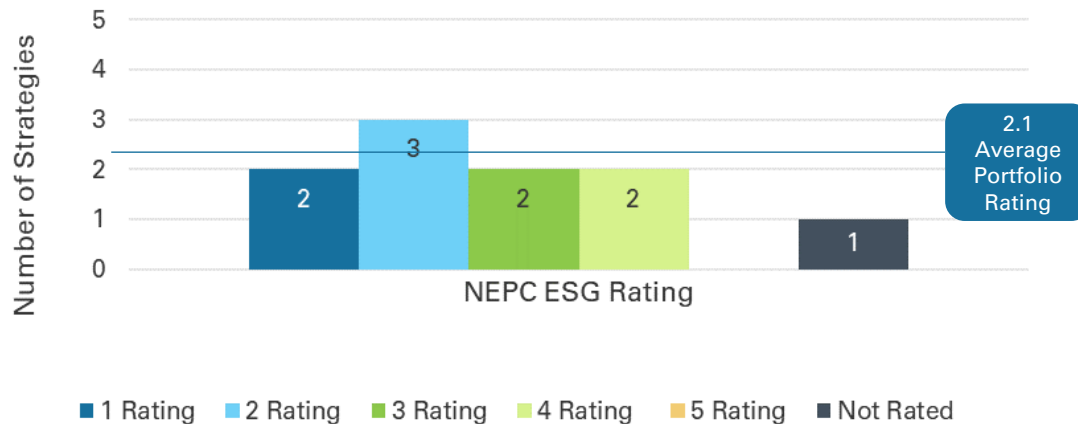
Note: Cash managers are excluded from the analysis

# ESG DASHBOARD - PENSION

Characteristics by Percent of Assets (%)



Manager ESG Ratings



## KEY TERMS

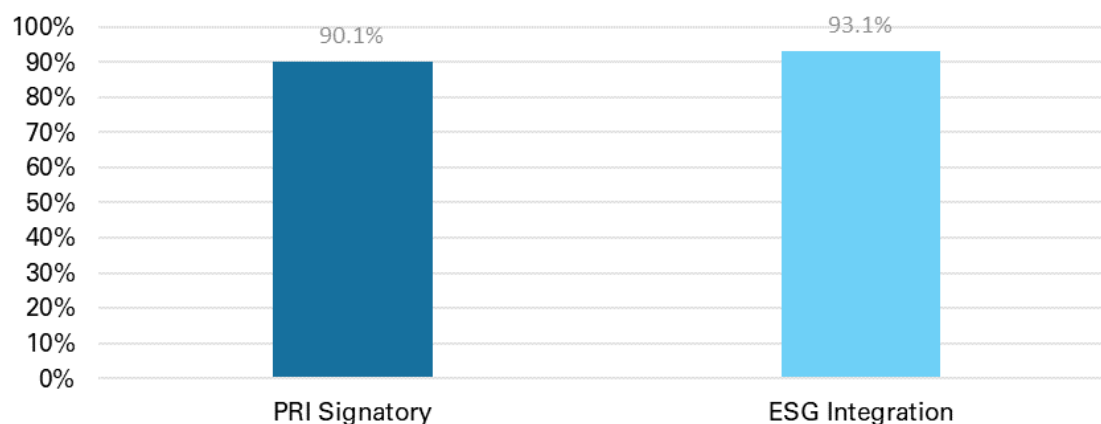
- **PRI Signatory:** A PRI signatory is a firm that has committed to integrating ESG into their investment process according to the six principles in the UN supported Principles for Responsible Investing.
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Note: Cash managers are excluded from the analysis

# ESG DASHBOARD – OPERATING FUND

Characteristics by Percent of Assets (%)

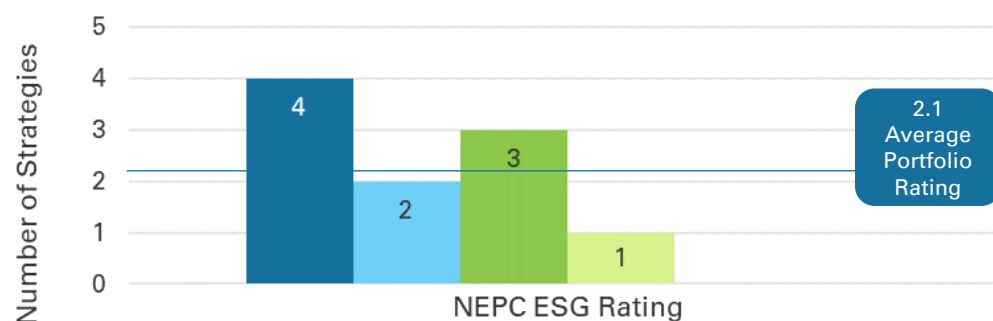


## KEY TERMS

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**ESG Integration:** An investment strategy rated as 1 through 3 according to the NEPC ESG Ratings Framework (which goes up to 5) is considered to have some level of ESG integration, with 1 being the best.

Manager ESG Ratings



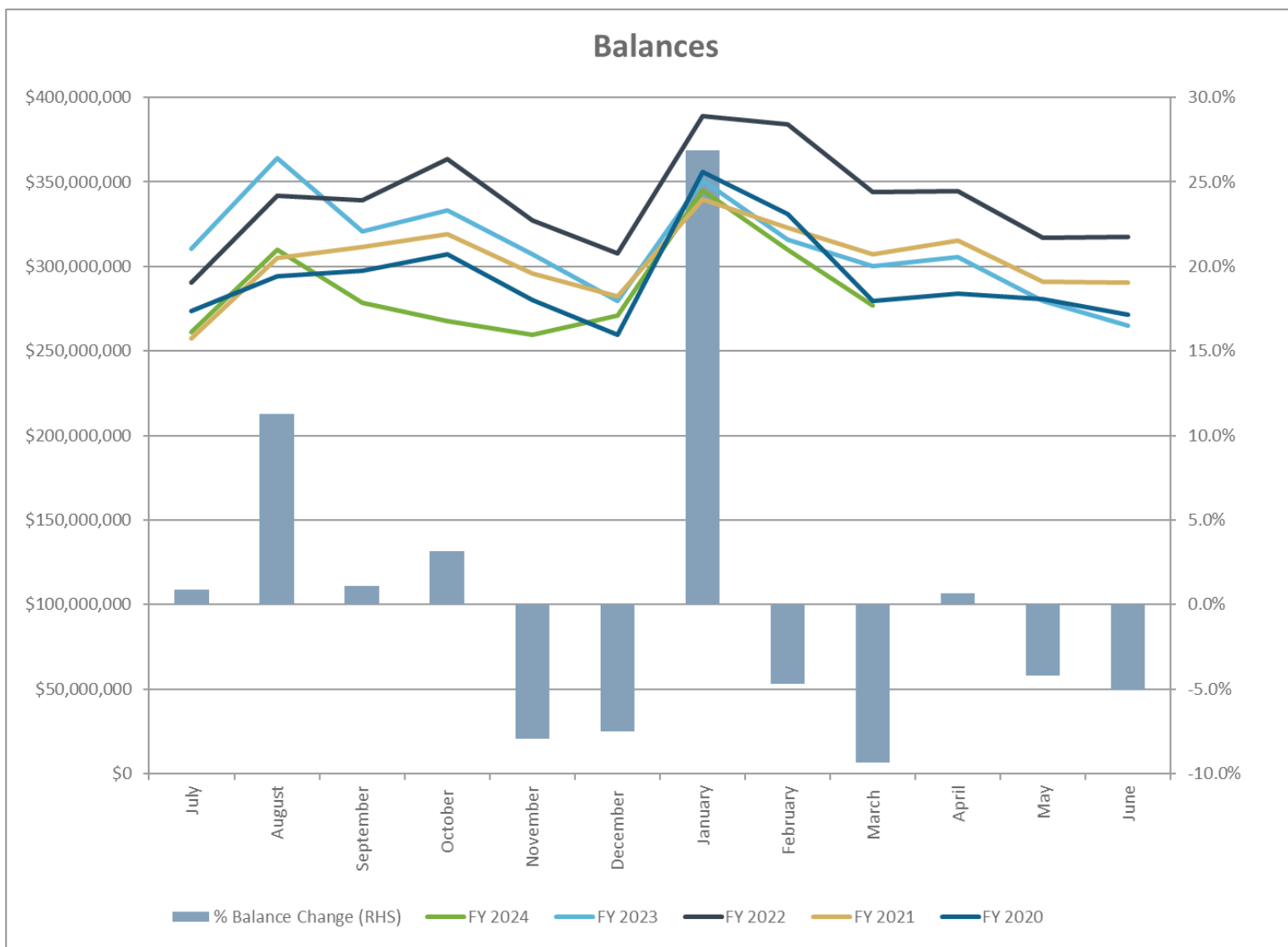
■ 1 Rating ■ 2 Rating ■ 3 Rating ■ 4 Rating ■ 5 Rating ■ Not Rated

- **ESG Ratings:** NEPC's proprietary ESG Ratings Framework scores investment strategies based on their ESG integration at the firm and strategy level. A 5 has no integration, a 4 has limited integration, a 3 has average integration, a 2 has above average integration, and a 1 is best in class.

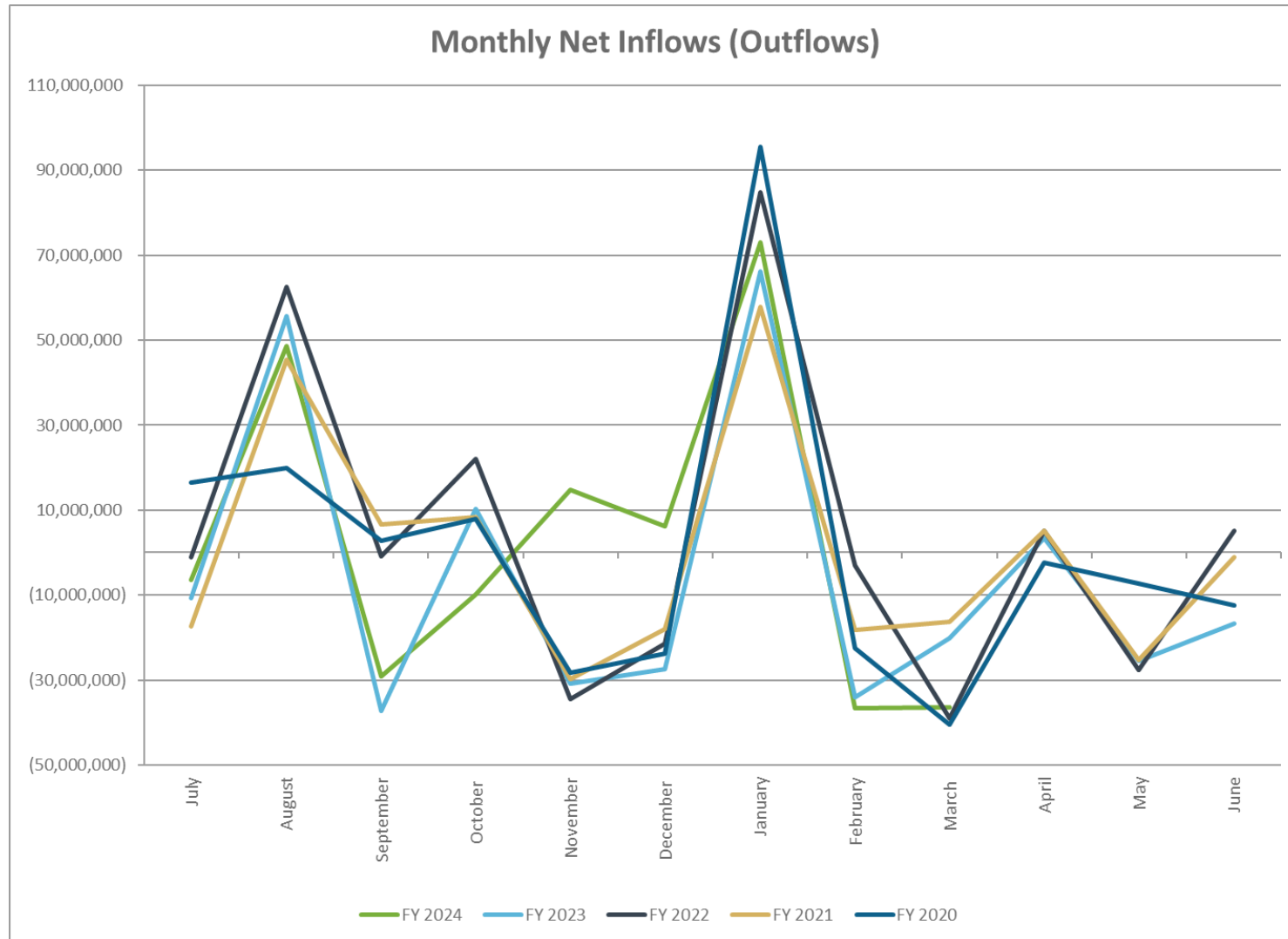


Note: Cash managers are excluded from the analysis

# OPERATING FUND BALANCES



# OPERATING FUND MONTHLY CASH FLOWS



# 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.

This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

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





# FIRST QUARTER 2024 SUPPLEMENTAL PERFORMANCE

UNIVERSITY OF MAINE SYSTEM

MAY 16, 2024

Kelly Regan, Partner  
Jay E. Roney, CTP, Partner  
Matt Landen, CFA, Consultant



PROPRIETARY & CONFIDENTIAL



# MANAGED INVESTMENT POOL



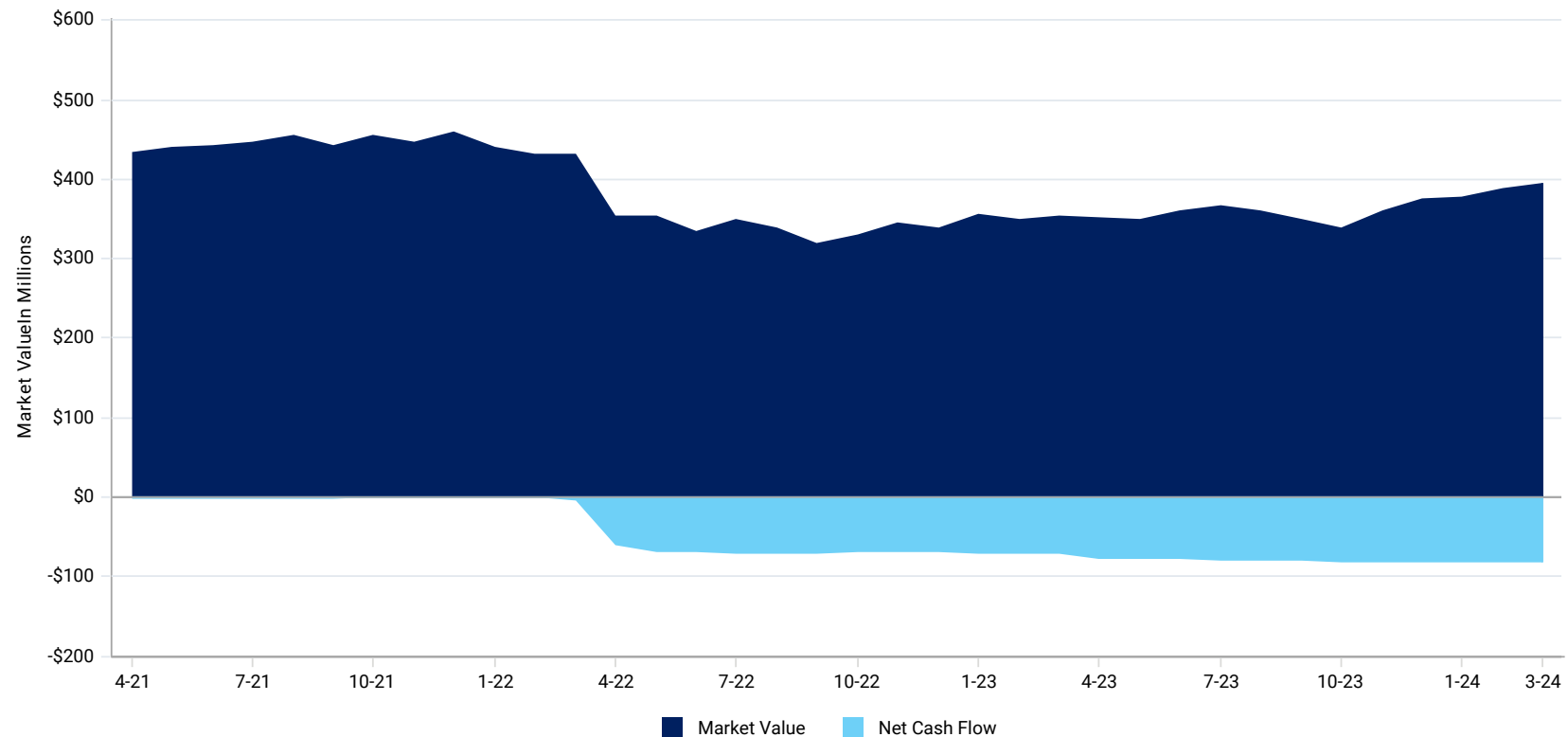
PROPRIETARY & CONFIDENTIAL

## University of Maine System Managed Investment Pool

# ASSET GROWTH SUMMARY

March 31, 2024

3 Years Ending March 31, 2024



	3 Months	Fiscal YTD	1 Year	3 Years
Beginning Market Value	377,019,516	362,073,800	355,106,578	423,611,992
Net Cash Flow	-212,357	-4,195,086	-9,550,075	-81,687,027
Net Investment Change	19,786,617	38,715,063	51,037,274	54,668,811
Ending Market Value	396,593,777	396,593,777	396,593,777	396,593,777
Net Change	19,574,260	34,519,977	41,487,199	-27,018,215



## University of Maine System Managed Investment Pool

March 31, 2024

**CASH FLOW SUMMARY BY MANAGER**

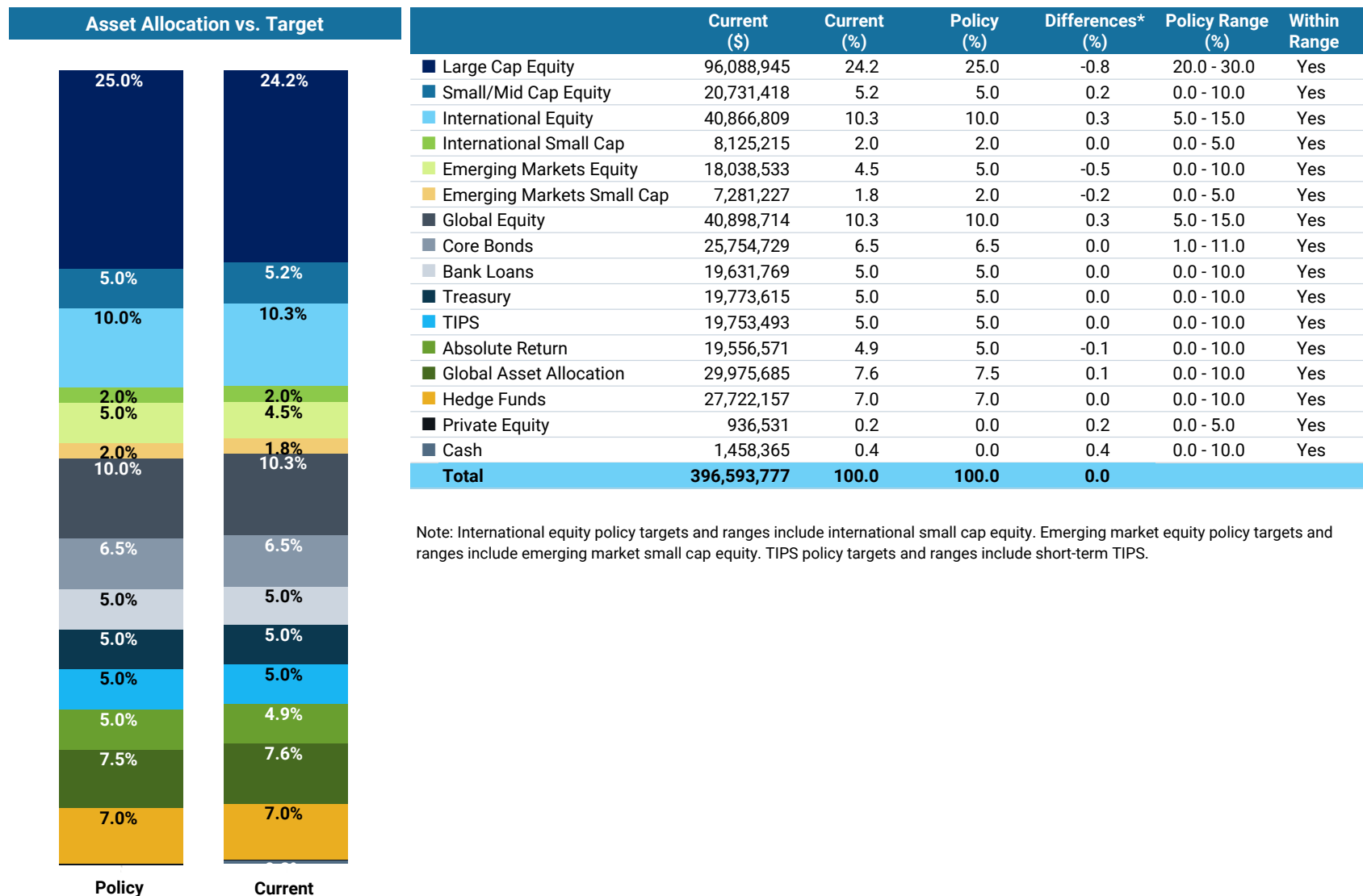
	1 Quarter Ending March 31, 2024					
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Net Investment Change	Ending Market Value
Aberdeen Emerging Mkts	\$17,741,269	-	-	-	\$297,264	\$18,038,533
Axiom International Small Cap Equity	\$7,621,482	-	-	-	\$503,733	\$8,125,215
Bain Capital Senior Loan Fund	\$17,676,943	\$1,500,000	-	\$1,500,000	\$454,826	\$19,631,769
Blackrock Strategic Income Opportunities	\$17,890,567	\$1,500,000	-	\$1,500,000	\$166,004	\$19,556,571
Commonfund	\$24,107,796	\$1,750,000	-	\$1,750,000	-\$103,068	\$25,754,729
DFA	\$9,851,611	-	-	-	\$456,048	\$10,307,659
Distribution Account	\$3,230,540	\$8,104,437	-\$9,887,119	-\$1,782,683	\$10,507	\$1,458,365
Fidelity Intermediate Treasury Bond Index (FUAMX)	\$18,702,143	\$1,250,000	-	\$1,250,000	-\$178,528	\$19,773,615
JO Hambro	\$17,395,191	\$1,900,000	-	\$1,900,000	\$1,626,702	\$20,921,893
Landmark Equity Partners XV	\$968,369	-	-\$31,839	-\$31,839	-	\$936,531
Lighthouse	\$26,654,907	-	-	-	\$1,067,251	\$27,722,157
Mondrian EM Small Cap	\$7,358,016	-	-\$17,475	-\$17,475	-\$59,314	\$7,281,227
Newton Global Real Return	\$28,488,342	-	-	-	\$1,487,343	\$29,975,685
Silchester International Value Equity	\$19,609,054	-	-	-	\$335,862	\$19,944,916
SSgA Fossil Fuel Free S&P 500 Index	\$94,306,010	-	-\$8,010,000	-\$8,010,000	\$9,792,935	\$96,088,945
Vanguard Inflation-Protected Securities	\$19,029,934	\$750,000	-	\$750,000	-\$26,441	\$19,753,493
Walter Scott Global Equity	\$37,037,363	\$1,000,000	-	\$1,000,000	\$2,861,351	\$40,898,714
Westfield Capital	\$9,349,979	\$1,936	-\$22,296	-\$20,360	\$1,094,141	\$10,423,759
<b>Total</b>	<b>\$377,019,516</b>	<b>\$17,756,373</b>	<b>-\$17,968,729</b>	<b>-\$212,357</b>	<b>\$19,786,617</b>	<b>\$396,593,777</b>



## University of Maine System Managed Investment Pool

# ASSET CLASS ALLOCATIONS

March 31, 2024



\*Difference between Policy and Current Allocation

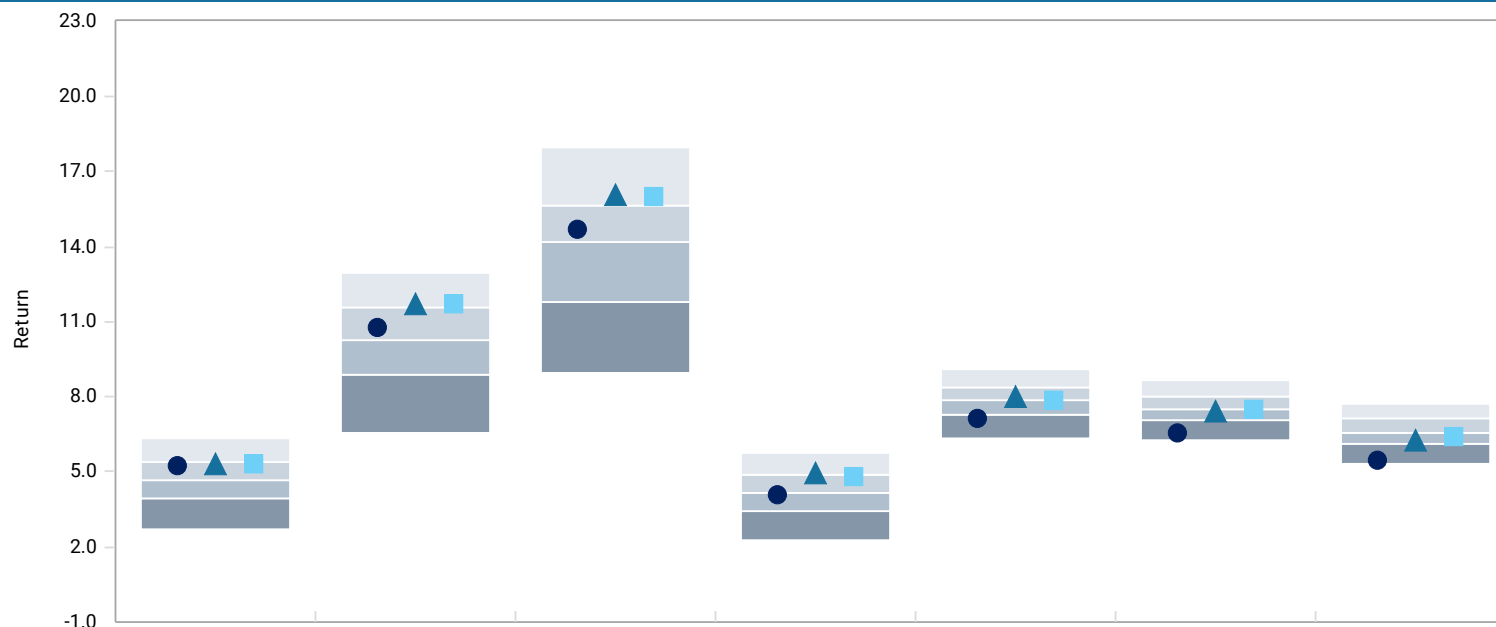


## University of Maine System Managed Investment Pool

March 31, 2024

## RETURN SUMMARY VS. PEER UNIVERSE

MIP Composite vs. InvMetrics All E&amp;F \$100mm - \$500mm



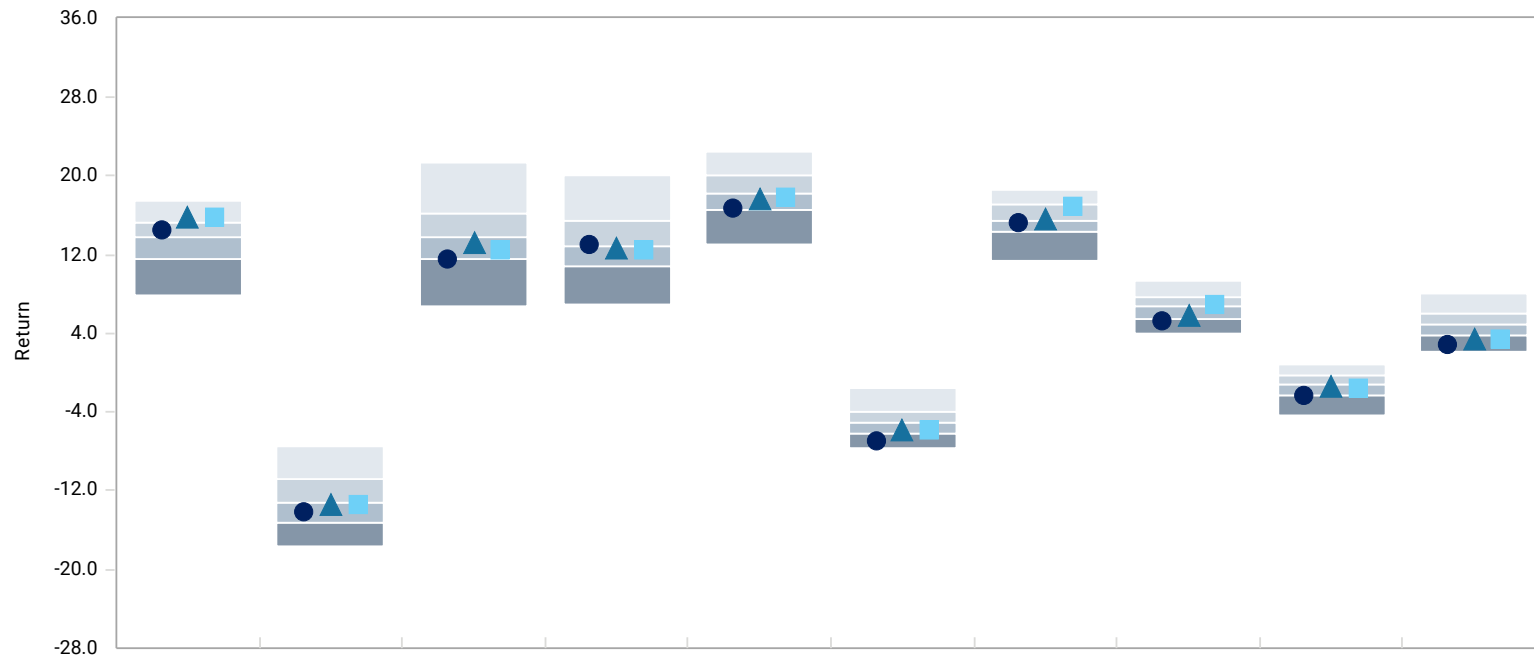
	3 Mo (%)	FYTD	1 Year	3 Years	5 Years	7 Years	10 Years
● MIP Composite	5.2 (33)	10.8 (38)	14.7 (45)	4.1 (54)	7.2 (83)	6.5 (94)	5.4 (95)
▲ Allocation Index	5.3 (28)	11.7 (24)	16.1 (22)	5.0 (23)	8.0 (43)	7.4 (56)	6.3 (67)
■ Policy Index	5.4 (27)	11.7 (24)	16.0 (22)	4.8 (27)	7.8 (54)	7.5 (52)	6.4 (53)
5th Percentile	6.4	13.0	18.0	5.8	9.1	8.7	7.7
1st Quartile	5.4	11.6	15.7	4.9	8.4	8.0	7.1
Median	4.7	10.3	14.2	4.1	7.9	7.5	6.5
3rd Quartile	4.0	8.9	11.8	3.4	7.3	7.1	6.1
95th Percentile	2.7	6.6	9.0	2.3	6.3	6.3	5.3
Population	122	106	102	87	83	73	68

## University of Maine System Managed Investment Pool

March 31, 2024

## RETURN SUMMARY VS. PEER UNIVERSE

MIP Composite vs. InvMetrics All E&amp;F \$100mm - \$500mm



	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
● MIP Composite	14.5 (36)	-14.2 (58)	11.5 (77)	13.0 (49)	16.7 (74)	-6.9 (84)	15.3 (57)	5.2 (83)	-2.2 (76)	2.9 (88)
▲ Allocation Index	15.8 (19)	-13.3 (51)	13.2 (59)	12.6 (53)	17.7 (59)	-5.8 (70)	15.6 (50)	5.8 (67)	-1.4 (58)	3.5 (81)
■ Policy Index	15.8 (19)	-13.4 (52)	12.6 (64)	12.5 (55)	17.9 (57)	-5.7 (69)	16.9 (31)	7.0 (44)	-1.6 (63)	3.5 (81)
5th Percentile	17.5	-7.5	21.5	20.1	22.4	-1.5	18.7	9.4	0.9	8.1
1st Quartile	15.3	-10.8	16.1	15.4	20.2	-3.9	17.1	7.8	-0.2	6.0
Median	13.8	-13.2	13.9	12.8	18.3	-5.2	15.5	6.7	-1.1	4.9
3rd Quartile	11.7	-15.3	11.6	10.8	16.6	-6.2	14.3	5.5	-2.2	3.8
95th Percentile	7.9	-17.6	6.7	6.9	13.1	-7.6	11.5	4.0	-4.3	2.1
Population	249	212	328	332	253	210	228	203	193	196

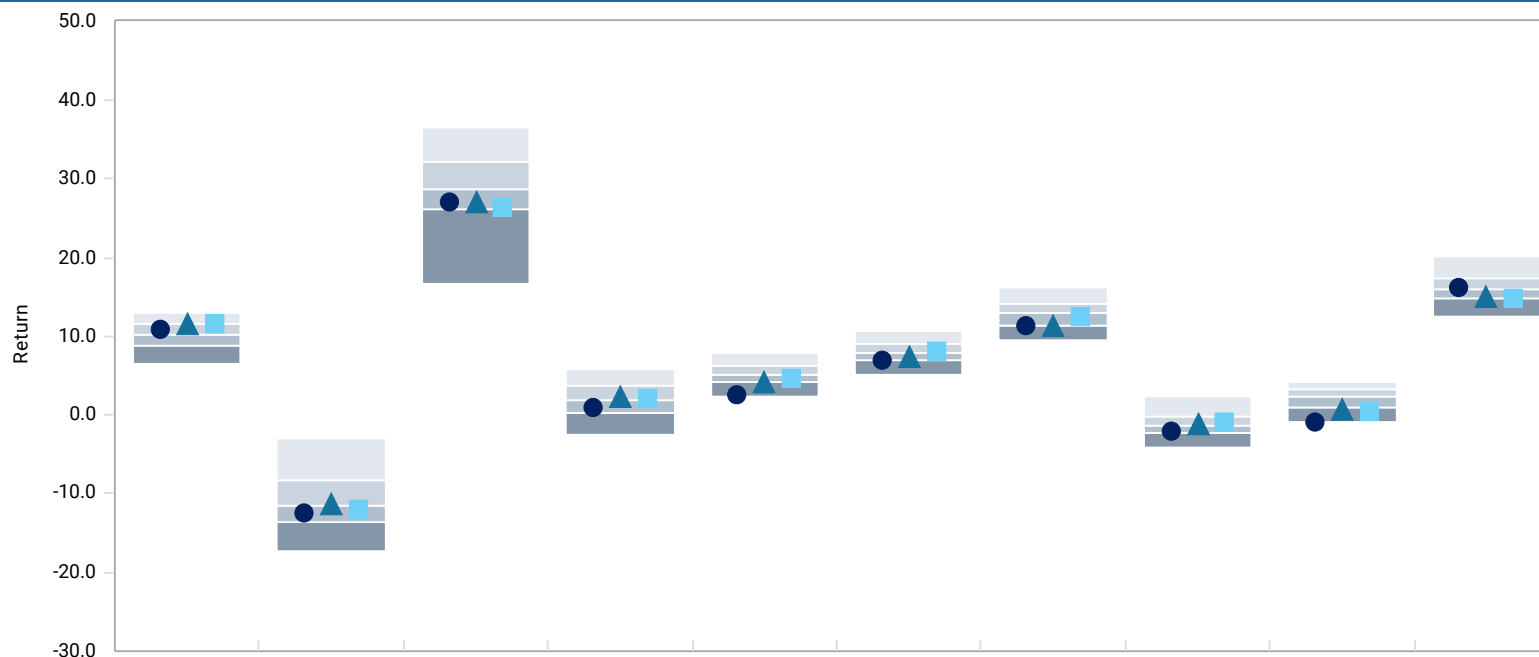


## University of Maine System Managed Investment Pool

March 31, 2024

## RETURN SUMMARY VS. PEER UNIVERSE

MIP Composite vs. InvMetrics All E&amp;F \$100mm - \$500mm



	Fiscal 2023	Fiscal 2022	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014
● MIP Composite	10.8 (38)	-12.5 (64)	27.1 (67)	1.1 (68)	2.7 (95)	6.9 (78)	11.4 (75)	-2.0 (70)	-0.9 (96)	16.3 (44)
▲ Allocation Index	11.7 (24)	-11.3 (49)	27.1 (67)	2.4 (42)	4.3 (76)	7.5 (64)	11.3 (77)	-1.1 (41)	0.7 (79)	15.2 (70)
■ Policy Index	11.7 (24)	-11.9 (55)	26.5 (73)	2.2 (46)	4.7 (61)	8.2 (44)	12.6 (54)	-0.8 (36)	0.6 (79)	14.9 (75)
5th Percentile	13.0	-2.9	36.7	5.9	7.9	10.7	16.2	2.3	4.2	20.3
1st Quartile	11.6	-8.2	32.2	3.7	6.2	9.0	14.2	-0.3	3.4	17.3
Median	10.3	-11.4	28.7	2.0	5.2	7.8	12.9	-1.3	2.3	16.1
3rd Quartile	8.9	-13.7	26.2	0.3	4.3	7.0	11.4	-2.2	0.9	14.9
95th Percentile	6.6	-17.3	16.6	-2.4	2.5	5.1	9.6	-4.0	-0.8	12.5
Population	106	219	332	293	199	119	119	105	110	105

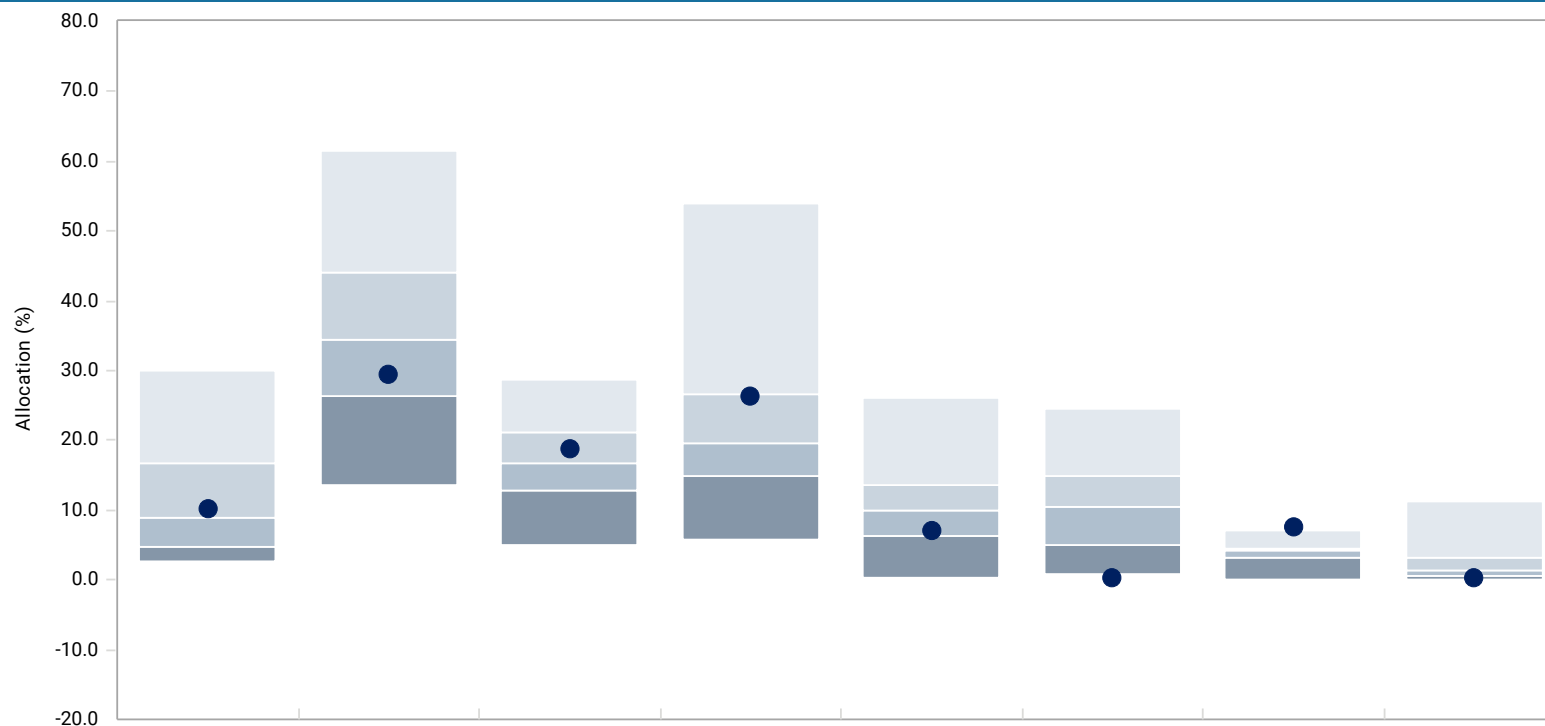


## University of Maine System Managed Investment Pool

March 31, 2024

## ALLOCATIONS VS. PEER UNIVERSE

Total Fund Allocation vs. InvMetrics All E&amp;F \$100mm - \$500mm



	Global Equity	US Equity	Global ex-US Equity	Total Fixed Income	Hedge Funds	Private Equity	Global TAA	Cash & Equivalents
● MIP Composite	10.3 (47)	29.5 (65)	18.7 (38)	26.3 (27)	7.0 (72)	0.2 (98)	7.6 (1)	0.4 (80)
5th Percentile	30.1	61.6	28.7	53.9	26.2	24.6	7.2	11.3
1st Quartile	16.7	44.0	21.1	26.5	13.6	14.9	4.5	3.3
Median	9.0	34.5	16.7	19.7	9.9	10.4	4.2	1.4
3rd Quartile	4.6	26.4	12.7	14.8	6.3	4.9	3.1	0.5
95th Percentile	2.6	13.7	5.1	5.7	0.3	0.7	0.1	0.1
Population	68	174	170	188	92	115	10	155



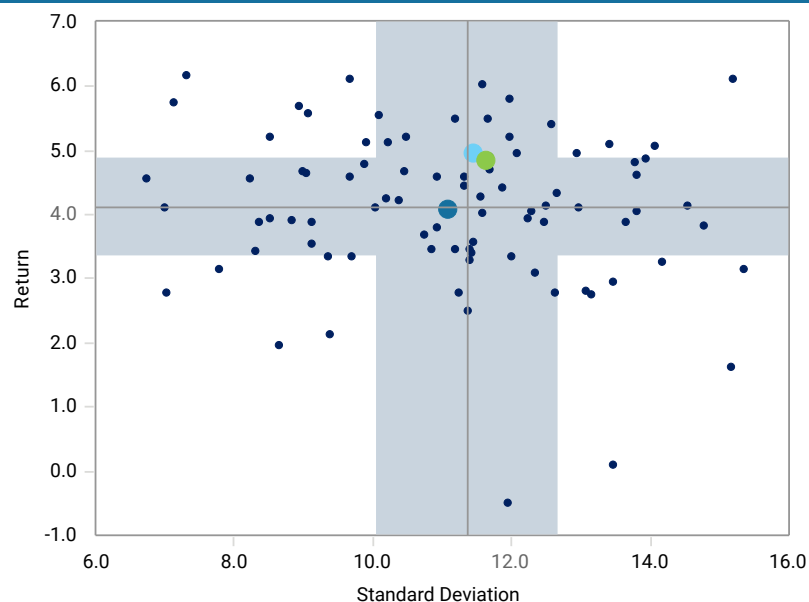


## University of Maine System Managed Investment Pool

March 31, 2024

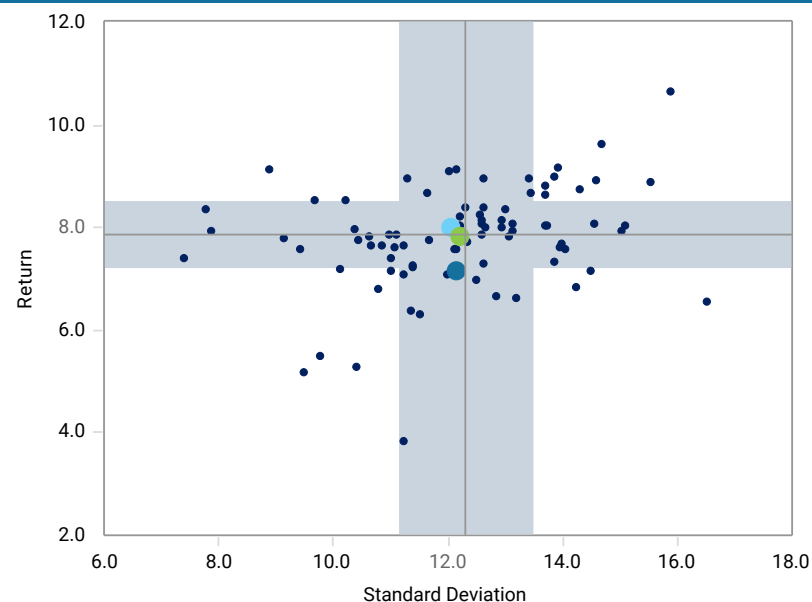
## RISK VS. RETURN

3 Years Ending March 31, 2024



● InvMetrics All E&F \$100mm - \$500mm    ● MIP Composite  
 ● Allocation Index    ● Policy Index

5 Years Ending March 31, 2024



● InvMetrics All E&F \$100mm - \$500mm    ● MIP Composite  
 ● Allocation Index    ● Policy Index

3 Years Ending March 31, 2024

	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
MIP Composite	4.1 (54)	11.1 (42)	0.2 (55)	0.3 (54)
Allocation Index	5.0 (23)	11.4 (54)	0.3 (25)	0.4 (26)
Policy Index	4.8 (27)	11.6 (58)	0.2 (31)	0.4 (30)
InvMetrics All E&F \$100mm - \$500mm Median	4.1	11.4	0.2	0.3
Population	87	87	87	87

5 Years Ending March 31, 2024

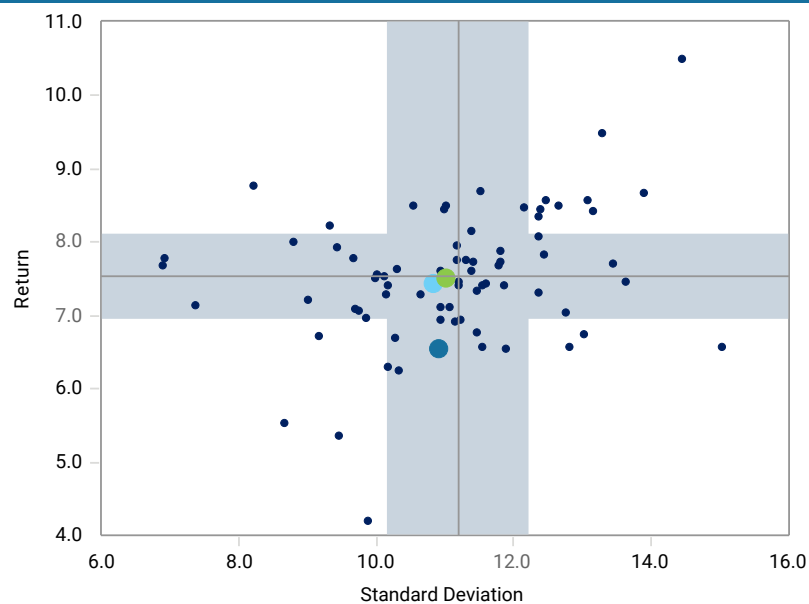
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
MIP Composite	7.2 (83)	12.2 (44)	0.5 (77)	0.7 (78)
Allocation Index	8.0 (43)	12.0 (41)	0.5 (40)	0.8 (37)
Policy Index	7.8 (54)	12.2 (47)	0.5 (53)	0.8 (52)
InvMetrics All E&F \$100mm - \$500mm Median	7.9	12.3	0.5	0.8
Population	83	83	83	83

## University of Maine System Managed Investment Pool

March 31, 2024

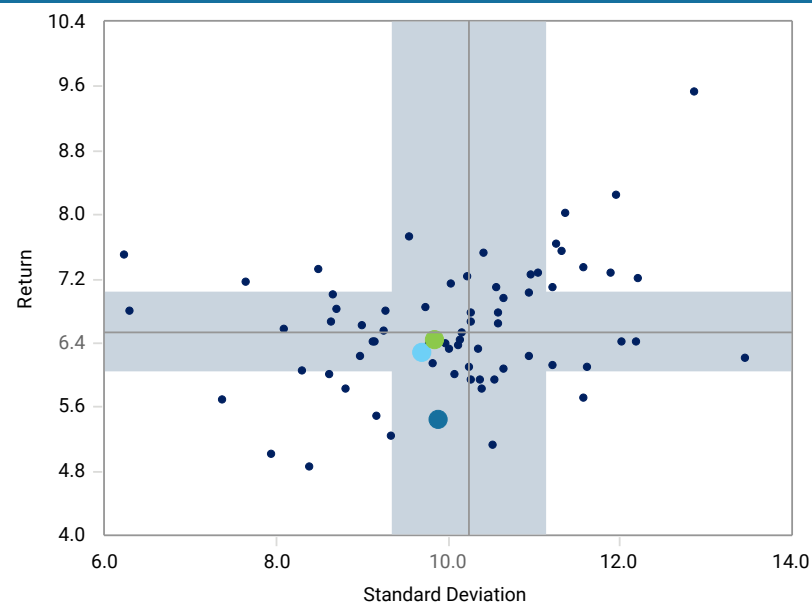
## RISK VS. RETURN

7 Years Ending March 31, 2024



InvMetrics All E&F \$100mm - \$500mm (dark blue dot)  
 Allocation Index (light blue dot)  
 MIP Composite (blue dot)  
 Policy Index (green dot)

10 Years Ending March 31, 2024



InvMetrics All E&F \$100mm - \$500mm (dark blue dot)  
 Allocation Index (light blue dot)  
 MIP Composite (blue dot)  
 Policy Index (green dot)

7 Years Ending March 31, 2024

	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
MIP Composite	6.5 (94)	10.9 (37)	0.5 (86)	0.7 (87)
Allocation Index	7.4 (56)	10.8 (37)	0.5 (51)	0.8 (48)
Policy Index	7.5 (52)	11.0 (42)	0.5 (51)	0.8 (49)
InvMetrics All E&F \$100mm - \$500mm Median	7.5	11.2	0.5	0.8
Population	73	73	73	73

10 Years Ending March 31, 2024

	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
MIP Composite	5.4 (95)	9.9 (37)	0.4 (95)	0.7 (96)
Allocation Index	6.3 (67)	9.7 (33)	0.5 (58)	0.8 (55)
Policy Index	6.4 (53)	9.8 (37)	0.5 (53)	0.8 (51)
InvMetrics All E&F \$100mm - \$500mm Median	6.5	10.2	0.6	0.8
Population	68	68	68	68

# PENSION PLAN

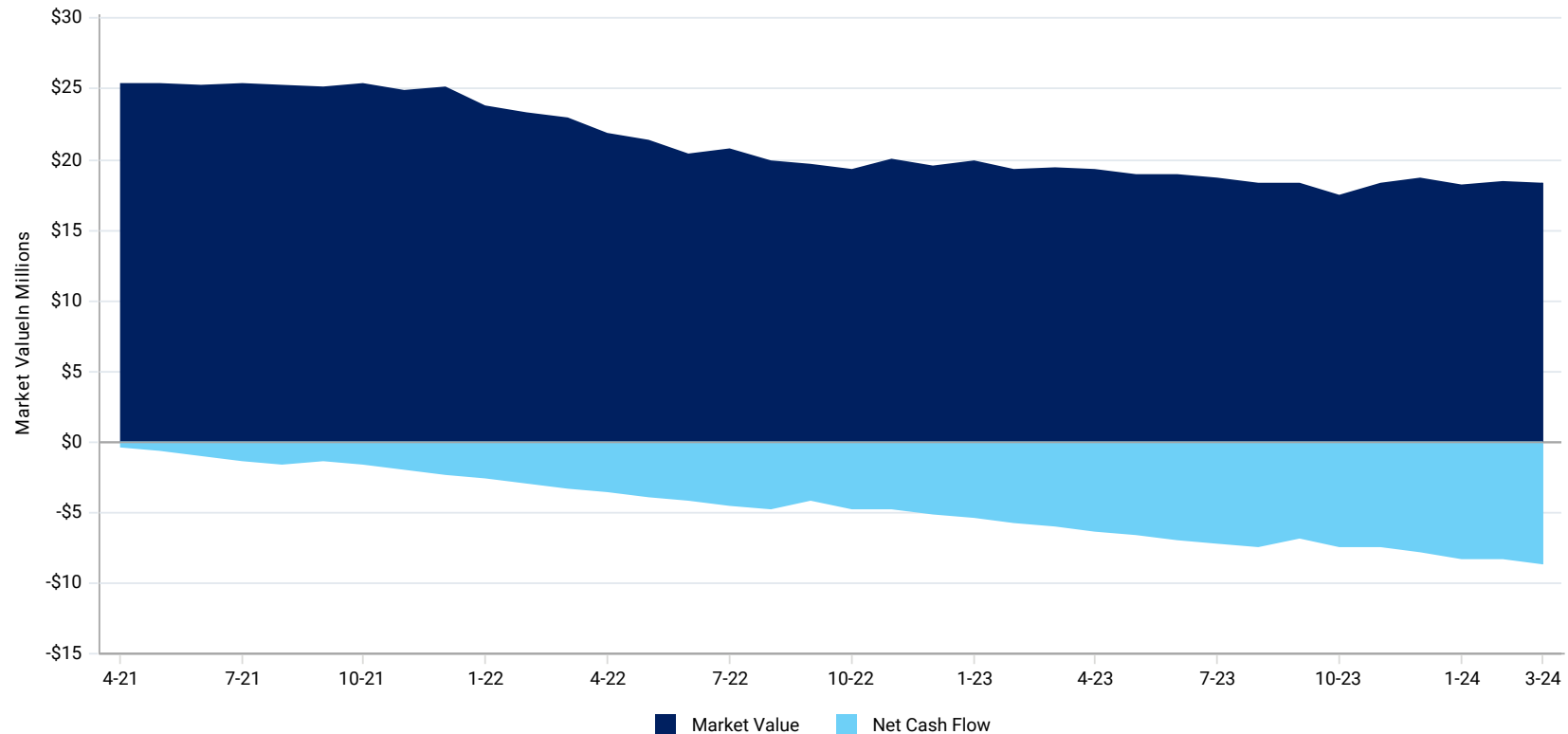


## University of Maine System Pension Plan

March 31, 2024

**ASSET GROWTH SUMMARY**

3 Years Ending March 31, 2024



	3 Months	Fiscal YTD	1 Year	3 Years
Beginning Market Value	18,710,012	18,986,551	19,519,455	25,218,077
Net Cash Flow	-846,098	-1,719,843	-2,598,092	-8,593,036
Net Investment Change	494,050	1,091,256	1,436,601	1,732,923
<b>Ending Market Value</b>	<b>18,357,964</b>	<b>18,357,964</b>	<b>18,357,964</b>	<b>18,357,964</b>
Net Change	-352,048	-628,586	-1,161,491	-6,860,113



## University of Maine System Pension Plan

March 31, 2024

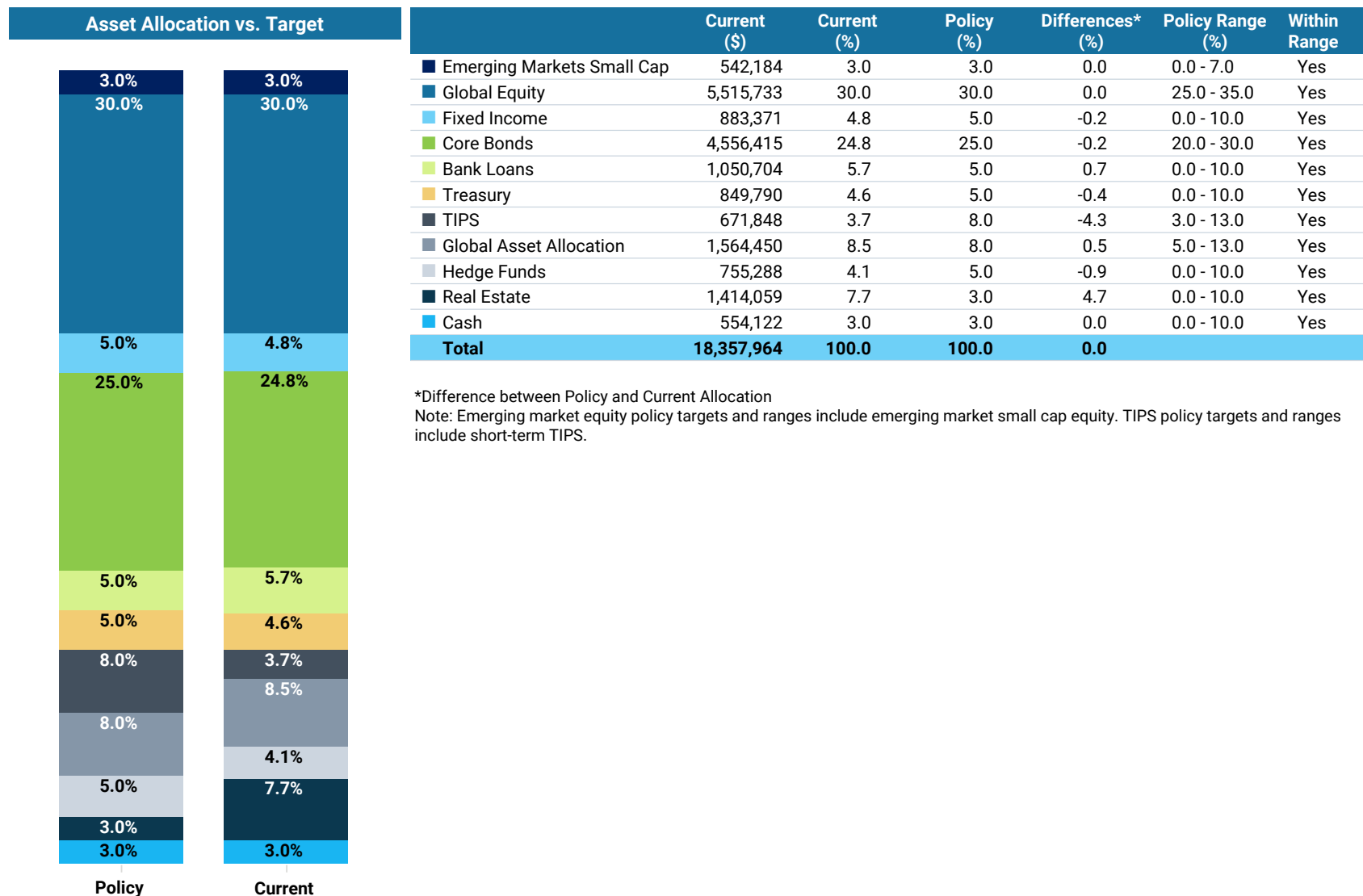
**CASH FLOW SUMMARY BY MANAGER**

	1 Quarter Ending March 31, 2024					
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flows	Net Investment Change	Ending Market Value
Bain Capital Senior Loan Fund	\$1,024,347	-	-	-	\$26,356	\$1,050,704
Baird Aggregate Bond Fund - BAGIX	\$4,577,084	-	-	-	-\$20,668	\$4,556,415
BlackRock Strategic Income Opportunities	\$975,562	-	-\$100,000	-\$100,000	\$7,810	\$883,371
Distribution Account	\$898,150	\$758,318	-\$1,105,787	-\$347,469	\$3,441	\$554,122
Fidelity Intermediate Treasury Bond Index (FUAMX)	\$858,124	-	-	-	-\$8,334	\$849,790
Lighthouse	\$726,211	-	-	-	\$29,077	\$755,288
Mondrian EM Small Cap	\$702,873	-	-\$151,669	-\$151,669	-\$9,020	\$542,184
Newton Global Real Return	\$1,486,825	-	-	-	\$77,625	\$1,564,450
Principal	\$1,490,368	-	-\$46,960	-\$46,960	-\$29,349	\$1,414,059
Vanguard Inflation-Protected Securities	\$422,433	\$250,000	-	\$250,000	-\$585	\$671,848
Walter Scott Global Equity Fund	\$5,548,036	-	-\$450,000	-\$450,000	\$417,696	\$5,515,733
<b>Total</b>	<b>\$18,710,012</b>	<b>\$1,008,318</b>	<b>-\$1,854,416</b>	<b>-\$846,098</b>	<b>\$494,050</b>	<b>\$18,357,964</b>

## University of Maine System Pension Plan

March 31, 2024

## ASSET ALLOCATION VS. POLICY

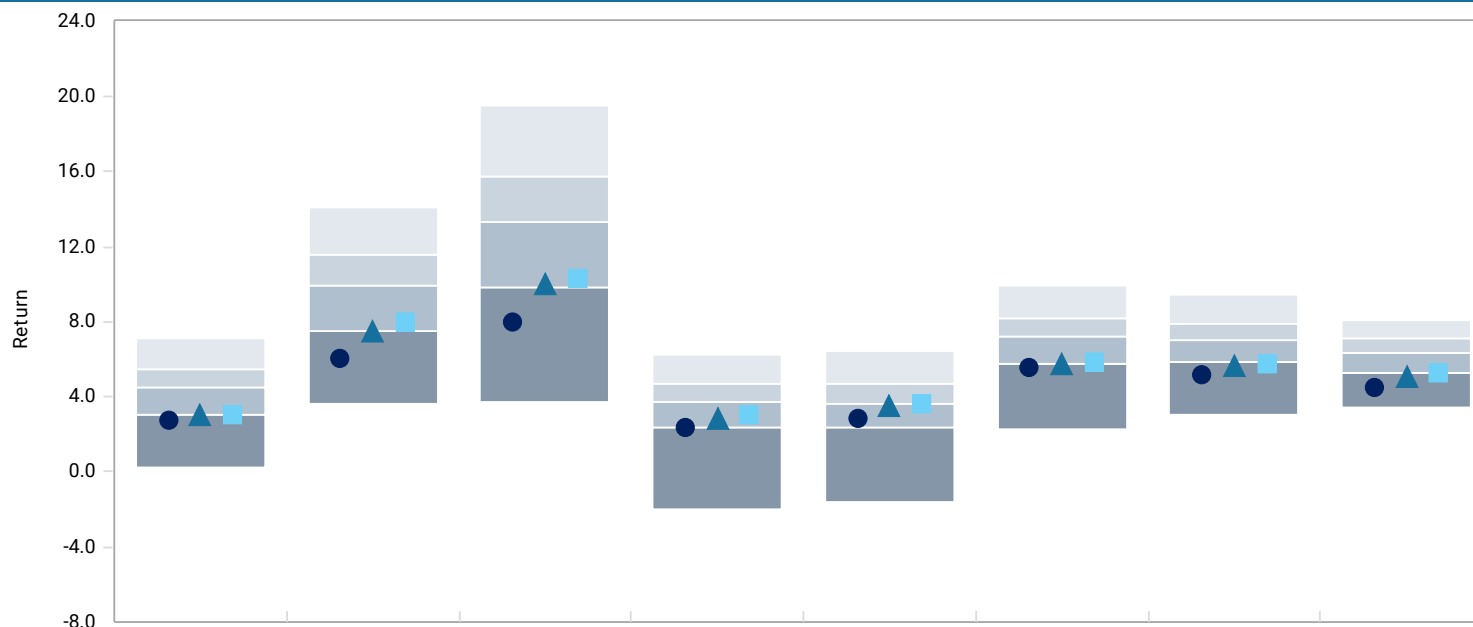


## University of Maine System Pension Plan

March 31, 2024

**RETURN SUMMARY VS. PEER UNIVERSE**

Pension Composite vs. All Master Trust - Total Fund



	3 Mo (%)	FYTD	1 Year	2 Years	3 Years	5 Years	7 Years	10 Years
● Pension Composite	2.7 (79)	6.1 (84)	8.0 (84)	2.4 (75)	2.9 (69)	5.5 (78)	5.2 (82)	4.5 (88)
▲ Allocation Index	3.0 (76)	7.5 (75)	10.0 (74)	2.8 (68)	3.6 (53)	5.8 (76)	5.7 (77)	5.1 (79)
■ Policy Index	3.1 (75)	8.0 (71)	10.4 (72)	3.1 (63)	3.7 (50)	5.9 (74)	5.8 (76)	5.3 (76)
5th Percentile	7.1	14.1	19.6	6.3	6.4	9.9	9.5	8.1
1st Quartile	5.5	11.6	15.8	4.7	4.7	8.2	7.9	7.1
Median	4.5	9.9	13.3	3.7	3.7	7.2	7.0	6.3
3rd Quartile	3.1	7.5	9.8	2.4	2.4	5.8	5.8	5.3
95th Percentile	0.2	3.7	3.8	-2.0	-1.6	2.3	3.1	3.4
Population	2,071	1,787	1,736	1,583	1,484	1,358	1,246	1,044



## University of Maine System Pension Plan

March 31, 2024

## RETURN SUMMARY VS. PEER UNIVERSE

Pension Composite vs. All Master Trust - Total Fund



	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
● Pension Composite	9.7 (80)	-11.6 (30)	8.9 (78)	12.0 (56)	13.6 (85)	-3.3 (27)	10.0 (87)	5.0 (85)	-1.1 (57)	3.2 (87)
▲ Allocation Index	10.9 (71)	-10.5 (21)	10.0 (72)	9.9 (76)	13.2 (87)	-2.8 (21)	11.6 (82)	5.5 (78)	0.0 (35)	4.3 (73)
■ Policy Index	11.2 (67)	-10.3 (20)	9.7 (74)	9.9 (76)	14.1 (84)	-3.5 (30)	12.4 (78)	6.1 (69)	-0.1 (37)	4.4 (72)
5th Percentile	18.5	-4.8	19.5	18.6	23.2	0.4	18.5	9.8	2.1	10.6
1st Quartile	15.1	-11.0	15.2	15.1	20.4	-3.2	16.1	8.1	0.4	7.1
Median	12.7	-13.7	12.6	12.5	18.6	-4.7	14.6	6.9	-0.8	5.7
3rd Quartile	10.3	-16.0	9.4	10.0	15.9	-6.0	12.7	5.7	-2.1	4.1
95th Percentile	5.4	-21.5	1.0	4.5	7.8	-7.7	5.4	3.0	-4.2	1.8
Population	3,851	4,193	4,881	5,121	5,136	4,563	4,409	4,250	4,033	3,810



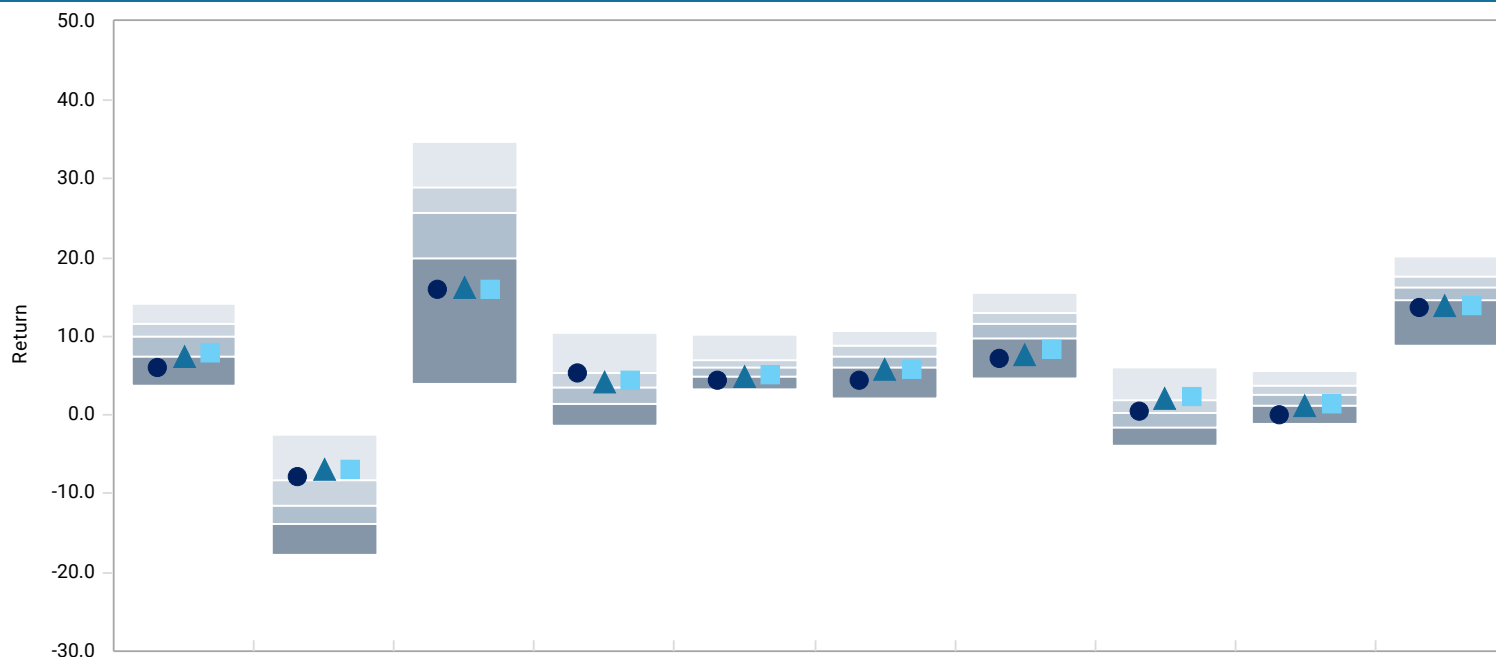


## University of Maine System Pension Plan

March 31, 2024

## RETURN SUMMARY VS. PEER UNIVERSE

Pension Composite vs. All Master Trust - Total Fund



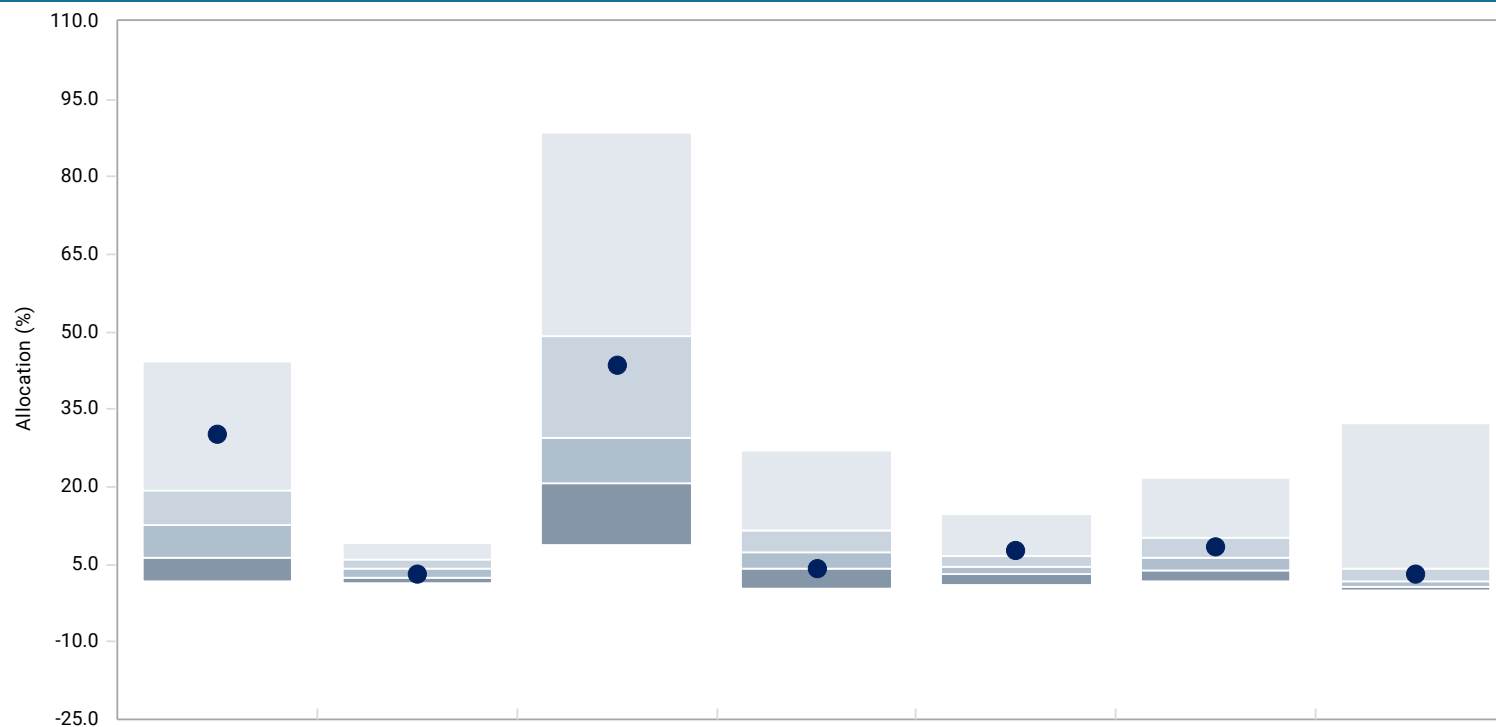
	Fiscal 2023	Fiscal 2022	Fiscal 2021	Fiscal 2020	Fiscal 2019	Fiscal 2018	Fiscal 2017	Fiscal 2016	Fiscal 2015	Fiscal 2014
● Pension Composite	6.1 (84)	-7.8 (23)	15.9 (82)	5.4 (26)	4.6 (82)	4.5 (88)	7.2 (90)	0.5 (47)	0.1 (89)	13.8 (82)
▲ Allocation Index	7.5 (75)	-6.8 (17)	16.4 (81)	4.3 (38)	5.0 (74)	5.8 (78)	7.8 (88)	2.0 (24)	1.2 (76)	13.9 (80)
■ Policy Index	8.0 (71)	-6.8 (17)	15.9 (82)	4.5 (35)	5.1 (71)	5.9 (76)	8.3 (86)	2.4 (20)	1.4 (74)	14.0 (80)
5th Percentile	14.1	-2.6	34.8	10.5	10.2	10.8	15.6	6.1	5.6	20.3
1st Quartile	11.6	-8.2	28.8	5.4	7.1	8.8	13.0	2.0	3.7	17.6
Median	9.9	-11.4	25.7	3.4	6.1	7.5	11.6	0.2	2.6	16.2
3rd Quartile	7.5	-13.8	20.0	1.5	4.9	6.0	9.7	-1.5	1.2	14.6
95th Percentile	3.7	-17.7	3.9	-1.4	3.2	2.2	4.6	-3.8	-1.2	8.8
Population	1,787	4,437	5,318	5,164	3,901	2,631	2,555	2,418	2,251	2,092

## University of Maine System Pension Plan

March 31, 2024

**ALLOCATIONS VS. PEER UNIVERSE**

Total Fund Allocation vs. All Master Trust - Total Fund

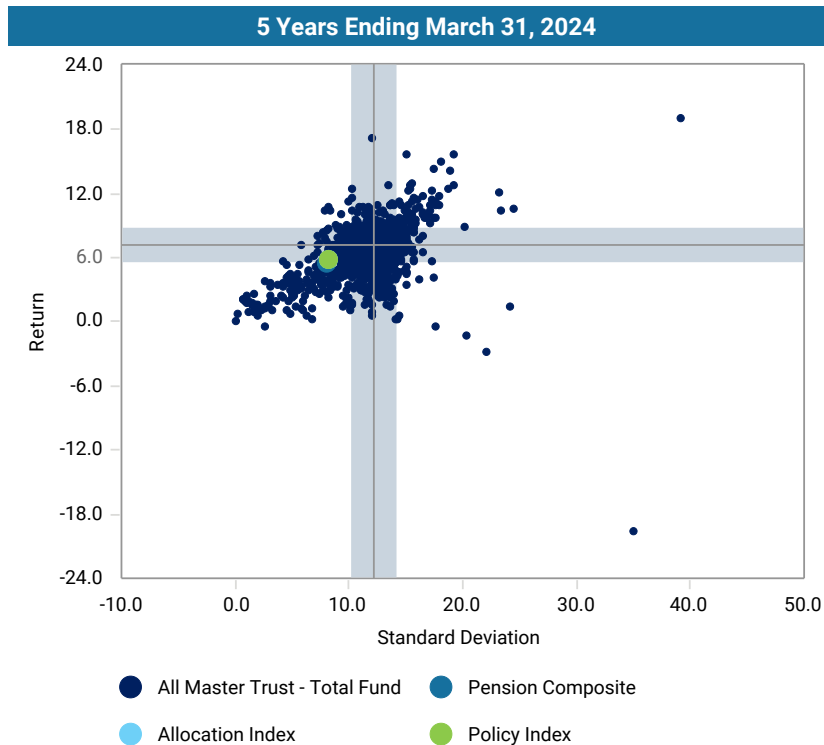
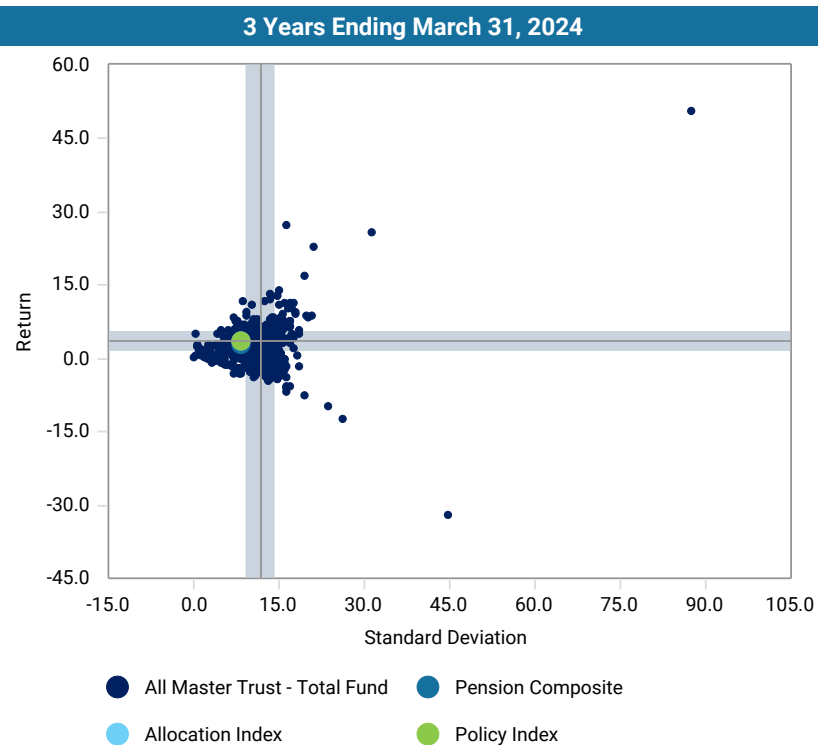


	Global Equity	Emg Mkt Equity	Total Fixed Income	Hedge Funds	Real Assets/Commod	Global TAA	Cash & Equivalents
● Pension Composite	30.0 (11)	3.0 (71)	43.6 (30)	4.1 (76)	7.7 (19)	8.5 (40)	3.0 (33)
5th Percentile	44.4	9.1	88.7	26.9	14.8	21.8	32.3
1st Quartile	19.5	6.1	49.2	11.6	6.5	10.2	4.1
Median	12.6	4.2	29.5	7.4	4.7	6.2	1.6
3rd Quartile	6.1	2.6	20.8	4.2	3.2	3.9	0.5
95th Percentile	1.7	1.2	8.8	0.3	1.1	1.6	0.1
Population	666	776	3,127	705	725	208	2,601

## University of Maine System Pension Plan

March 31, 2024

## RISK VS. RETURN



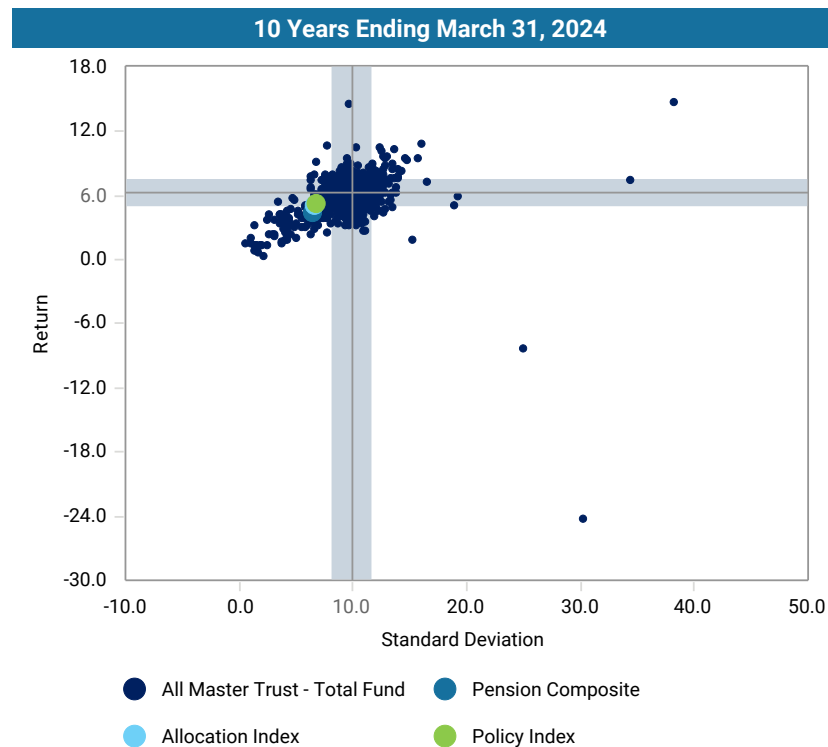
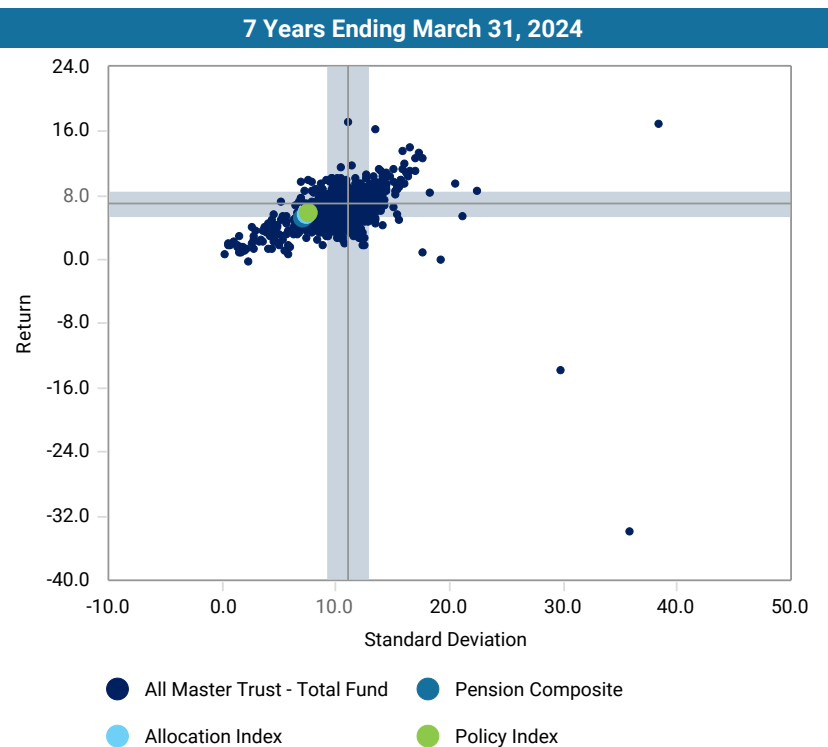
3 Years Ending March 31, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
Pension Composite	2.9 (69)	8.3 (12)	0.1 (70)	0.1 (70)
Allocation Index	3.6 (53)	8.2 (12)	0.2 (49)	0.2 (49)
Policy Index	3.7 (50)	8.3 (13)	0.2 (45)	0.2 (45)
All Master Trust - Total Fund Median	3.7	11.8	0.2	0.2
Population	1,484	1,484	1,484	1,483

5 Years Ending March 31, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
Pension Composite	5.5 (78)	8.0 (9)	0.5 (52)	0.7 (49)
Allocation Index	5.8 (76)	8.2 (10)	0.5 (46)	0.7 (46)
Policy Index	5.9 (74)	8.3 (10)	0.5 (44)	0.7 (43)
All Master Trust - Total Fund Median	7.2	12.2	0.5	0.7
Population	1,358	1,358	1,358	1,358

## University of Maine System Pension Plan

March 31, 2024

## RISK VS. RETURN



7 Years Ending March 31, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
Pension Composite	5.2 (82)	7.1 (8)	0.5 (57)	0.7 (55)
Allocation Index	5.7 (77)	7.3 (9)	0.5 (39)	0.8 (38)
Policy Index	5.8 (76)	7.5 (9)	0.5 (36)	0.8 (36)
All Master Trust - Total Fund Median	7.0	11.0	0.5	0.7
Population	1,246	1,246	1,246	1,246

10 Years Ending March 31, 2024				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
Pension Composite	4.5 (88)	6.5 (8)	0.5 (62)	0.7 (61)
Allocation Index	5.1 (79)	6.5 (8)	0.6 (33)	0.9 (32)
Policy Index	5.3 (76)	6.7 (8)	0.6 (28)	0.9 (26)
All Master Trust - Total Fund Median	6.3	9.9	0.5	0.8
Population	1,044	1,044	1,044	1,044

# MANAGER PAGES



# SPDR S&P 500 FOSSIL FUEL RESERVES FREE ETF

Total Return (As of 03/31/2024)			
	NAV (%)	Market Value (%)	Index (%)
<b>Cumulative</b>			
QTD	10.40	10.30	10.46
YTD	10.40	10.30	10.46
<b>Annualized</b>			
1 Year	30.21	30.18	30.45
3 Year	10.80	10.76	11.02
5 Year	14.93	14.95	15.18
Since Fund Inception	13.76	13.75	14.02
<b>Gross Expense Ratio (%)</b>			
			0.20
<b>Net Expense Ratio (%)</b>			
			0.20
<b>30 Day SEC Yield (%)</b>			
			1.09
<b>30 Day SEC Yield Unsubsidized (%)</b>			
			1.09

Source: SSGA

Data as of 03.31.2024



# SPDR S&P 500 FOSSIL FUEL RESERVES FREE ETF

Characteristics	
Est. 3-5 Year EPS Growth	14.24%
Index Dividend Yield	1.33%
Price/Earnings Ratio FY1	22.39
Number of Holdings	489
Price/Book Ratio	4.57
Average Market Cap (M)	US\$807,566.94

Top Sectors	Weight (%)
Information Technology	30.35
Financials	13.56
Health Care	12.80
Consumer Discretionary	10.61
Communication Services	9.23
Industrials	9.07
Consumer Staples	6.15
Materials	2.45
Real Estate	2.34
Utilities	2.26
Energy	1.18

Top 10 Holdings	Weight (%)
MICROSOFT CORP	7.29
APPLE INC	5.80
NVIDIA CORP	5.20
AMAZON.COM INC	3.84
META PLATFORMS INC CLASS A	2.49
ALPHABET INC CL A	2.07
BERKSHIRE HATHAWAY INC CL B	1.78
ALPHABET INC CL C	1.75
ELI LILLY + CO	1.45
BROADCOM INC	1.36

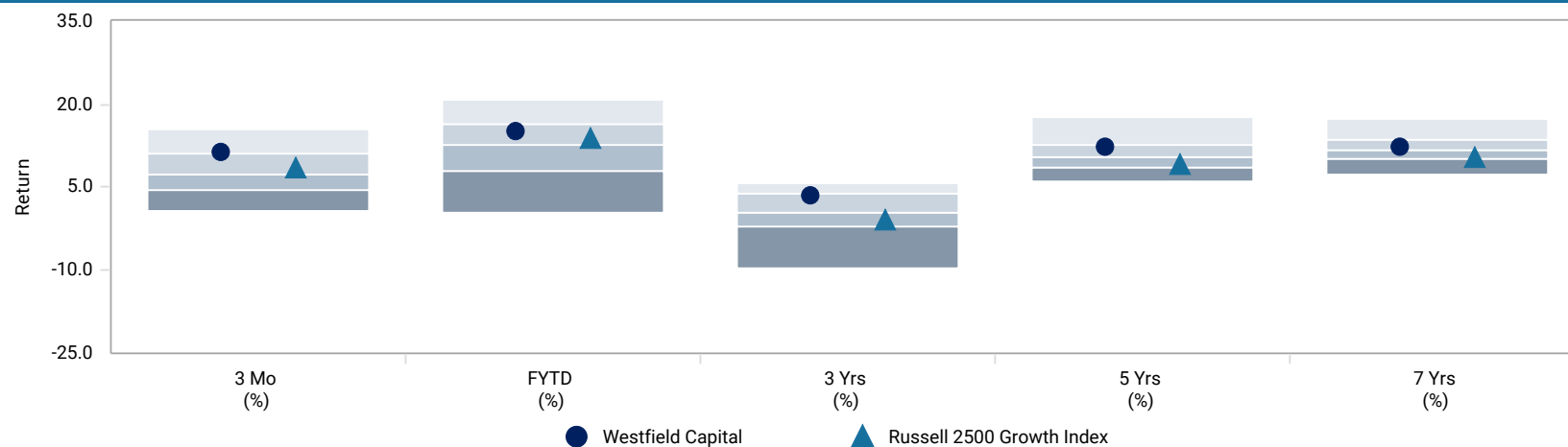
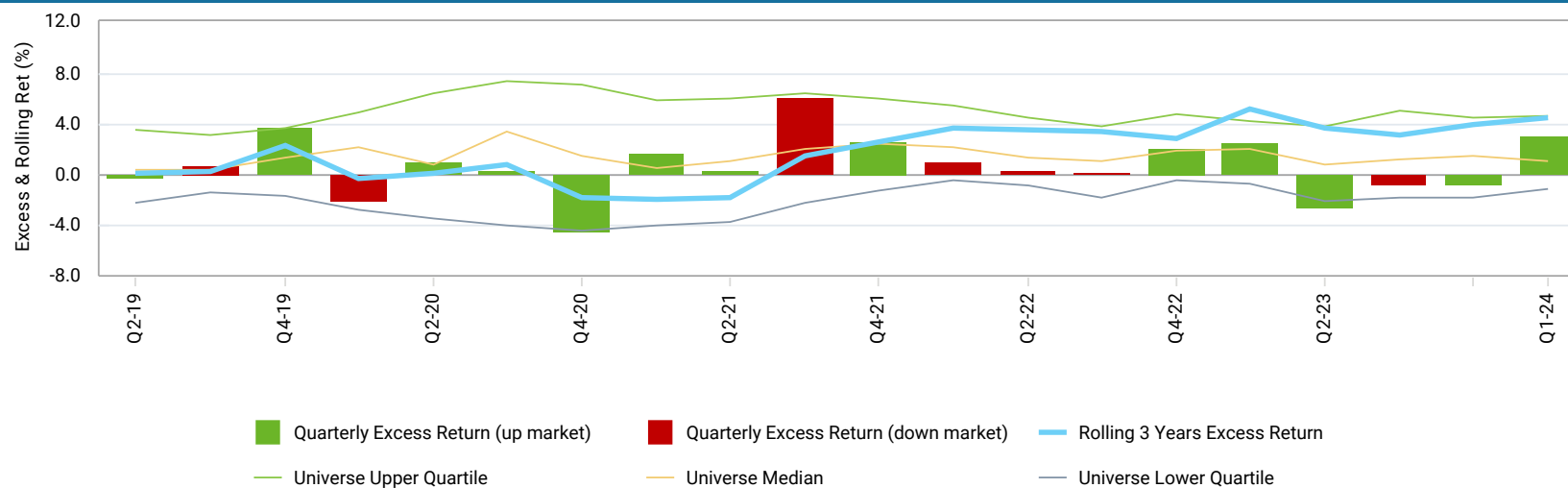
Totals may not equal 100 due to rounding.



Source: SSGA  
Data as of 03.31.2024

University Of Maine System

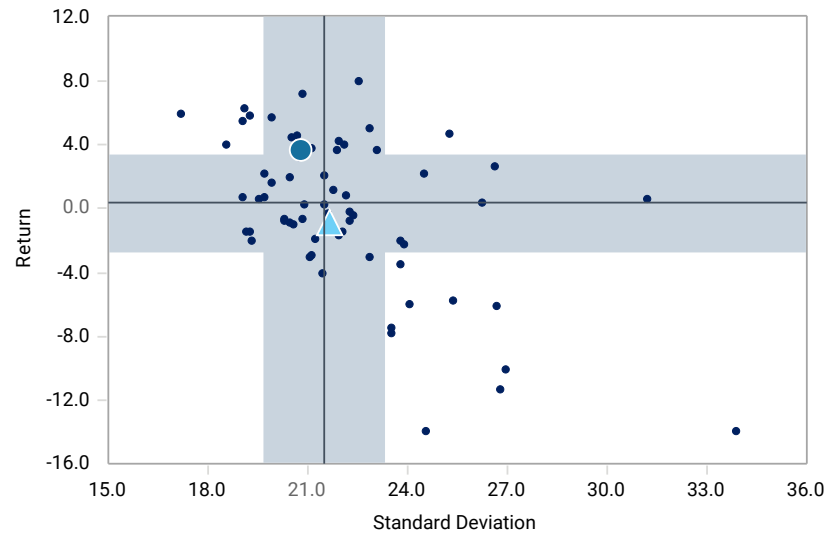
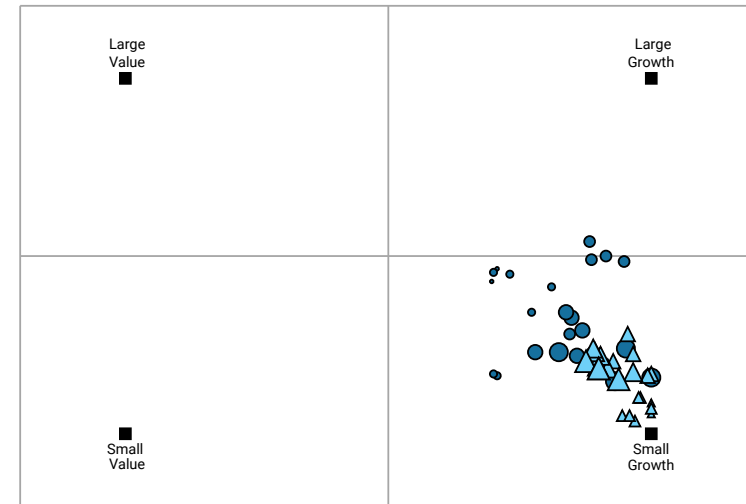
March 31, 2024

**WESTFIELD CAPITAL****eV US Small-Mid Cap Growth Equity (net of fees)****Quarter Excess Return with a Rolling 3 Years Excess Return over 5 Years Ending March 31, 2024**



University Of Maine System

March 31, 2024

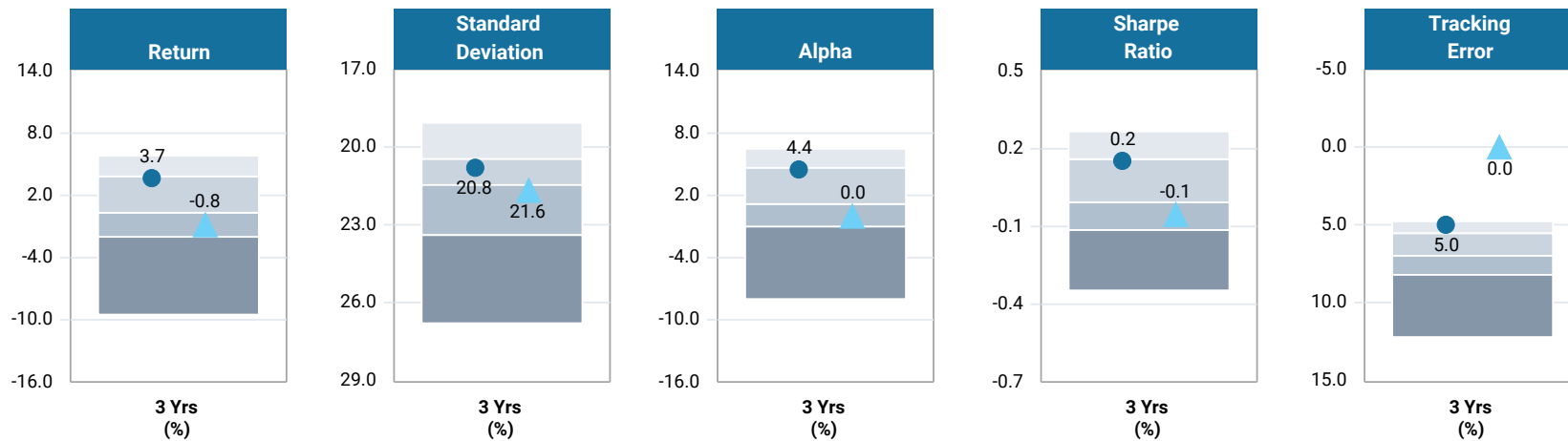
**WESTFIELD CAPITAL****3 Years Return vs. Standard Deviation****Rolling 1 Year Style Map**

● Westfield Capital

▲ Russell 2500 Growth Index

● Westfield Capital

▲ Russell 2500 Growth Index



University Of Maine System

March 31, 2024

**WESTFIELD CAPITAL**

Westfield Capital vs. Russell 2500 Growth Index					
Portfolio Characteristics			Top Ten Equity Holdings		
	Portfolio	Benchmark		Weight (%)	Return (%)
Number of Stocks	65	1,256	Ascendis Pharma AS	4.0	20.0
Wtd. Avg. Mkt. Cap \$B	12.9	8.7	Builders FirstSource Inc	3.6	24.9
Median Mkt. Cap \$B	10.1	1.7	Vertiv Holdings Co	3.3	70.1
Price to Earnings	29.9	24.0	Axon Enterprise Inc	3.0	21.1
Price to Book	4.7	5.1	Comfort Systems USA Inc.	2.7	54.6
Return on Equity (%)	7.4	2.8	Lincoln Electric Holdings Inc	2.5	17.8
Current Yield (%)	0.5	0.6	Avery Dennison Corp	2.3	10.8
Beta (5 Years, Monthly)	1.0	1.0	Hubbell Inc	2.3	26.6
R-Squared (5 Years, Monthly)	0.9	1.0	M/I Homes Inc	2.2	-1.1
			PTC Inc	2.2	8.0

Equity Sector Attribution								
	Attribution				Returns		Sector Weights	
	Total Effects (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Portfolio (%)	Benchmark (%)	Portfolio (%)	Benchmark (%)
Energy	0.0	0.0	0.0	0.0	0.0	9.0	0.0	4.1
Materials	0.1	0.2	0.0	-0.1	10.8	6.1	2.3	3.6
Industrials	3.1	2.0	0.2	0.9	21.5	11.2	27.9	19.6
Consumer Discretionary	0.2	0.2	0.0	0.0	11.1	9.6	14.8	13.4
Consumer Staples	-0.1	0.0	-0.1	0.0	0.0	12.4	0.0	3.8
Health Care	-0.4	-0.3	-0.1	0.0	3.9	5.4	22.7	21.0
Financials	0.5	0.5	0.0	0.0	13.6	7.2	8.6	8.5
Information Technology	-0.2	-0.2	0.0	0.0	10.1	11.0	19.5	21.2
Communication Services	0.3	0.0	0.3	0.0	0.0	-7.9	0.0	2.1
Utilities	0.0	0.0	0.0	0.0	0.0	6.6	0.0	1.1
Real Estate	-0.1	-0.1	0.0	0.0	-3.1	1.3	2.1	1.5
Cash	-0.2	0.0	-0.2	0.0	0.0	0.0	2.1	0.0
Total	3.3	2.4	0.2	0.8	11.9	8.6	100.0	100.0

Due to the quarterly buy/hold strategy holdings-based analytics do not include securities that were bought or sold during the quarter.



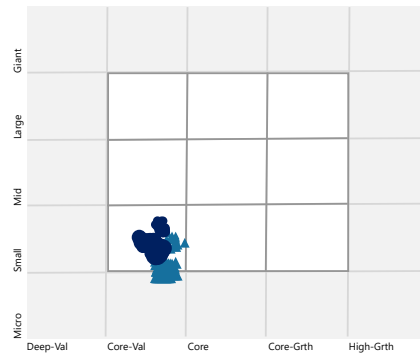
## DFA US Targeted Value I

As of 3/31/2024

DFFVX	Russell 2000 Value TR USD	US Fund Small Value
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## Holdings Based Style Trail (5 Years)

Time Period: 4/30/2019 to 3/31/2024



• DFA US Targeted Value I    • Russell 2000 Value TR USD

## Portfolio Statistics

	Fund	Index
# of Holdings	1,366	1,419
% Asset in Top 10 Holdings	6.3	5.0
Turnover Ratio %	20.0	
P/E Ratio	11.3	12.6
P/B Ratio	1.3	1.3
LT Earn Growth	11.0	11.4
Hist Earn Growth	1.9	-2.0
12 Mo Yield	1.4	

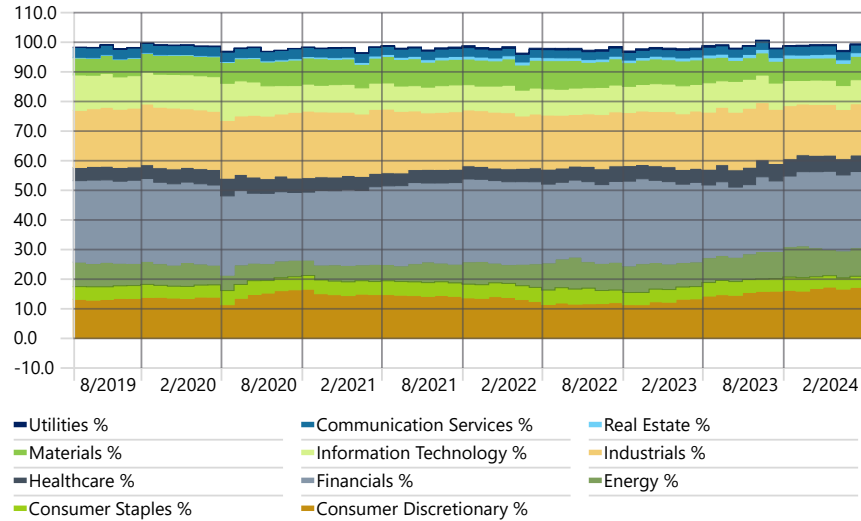
## Market Capitalization Breakdown

	Fund	Index
Market Cap Giant %	0.4	0.0
Market Cap Large %	0.8	0.1
Market Cap Mid %	7.6	1.2
Market Cap Small %	58.8	49.6
Market Cap Micro %	32.3	49.1
Average Market Cap (mil)	3,219.9	2,104.5

## Top 10 Holdings

	Portf Weight %	3 Month Ret %
Toll Brothers Inc	0.98	26.06
Future on E-mini S&P 500 Futures	0.93	
HF Sinclair Corp	0.62	9.54
Unum Group	0.60	19.47
United States Steel Corp	0.57	-16.07
Amkor Technology Inc	0.55	-2.86
Knight-Swift Transportation Holdings Inc Class A	0.53	-4.28
Penske Automotive Group Inc	0.52	1.46
Arrow Electronics Inc	0.50	5.90
Taylor Morrison Home Corp	0.48	16.53

## Historical Sector Allocations (5 Years)



## Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Communication Services	2.61	2.42	-0.37	-2.51	-0.01	0.08	0.07
Consumer Discretionary	16.95	10.83	7.08	5.90	0.14	0.19	0.34
Consumer Staples	3.69	2.31	2.85	-1.24	-0.08	0.16	0.09
Energy	9.18	9.63	13.22	12.80	-0.03	0.03	0.00
Financials	25.78	26.55	0.12	-2.20	0.02	0.64	0.66
Health Care	5.35	9.02	3.02	11.93	-0.25	-0.50	-0.76
Industrials	16.94	14.44	8.84	9.07	0.15	-0.04	0.11
Information Technology	7.77	5.90	2.94	2.03	-0.04	0.07	0.04
Materials	7.61	4.84	3.86	8.78	0.15	-0.39	-0.24
Real Estate	1.20	10.11	-8.96	-1.61	0.50	-0.10	0.40
Utilities	0.38	3.81	-1.92	-0.98	0.17	0.00	0.16
Attribution Total	97.47	99.85	4.70	3.83	0.72	0.15	0.87
Cash	1.44	0.00					
Other	1.21	0.00					
Missing Performance	0.03	0.15					
Total	100.15	100.00					
Reported Total			4.63	2.90			
Expense Ratio			0.08	0.00			
Residual(Reported - Attribution + Expense)			0.00	-0.93			



## DFA US Targeted Value I

As of 3/31/2024

DFFVX

Russell 2000 Value TR USD

US Fund Small Value

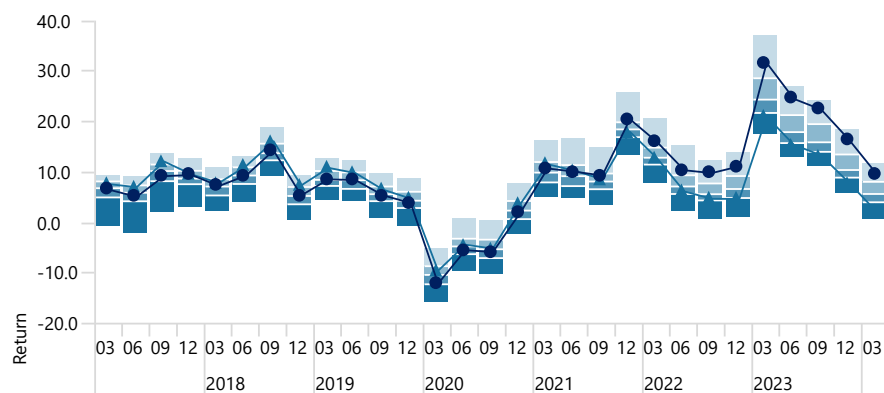
## Risk &amp; Return Characteristics (5 Years)

Time Period: 4/1/2019 to 3/31/2024

	Fund	Index
R2	98.4	100.0
Alpha	4.8	0.0
Beta	1.0	1.0
Std Dev	29.6	28.0
Up Capture Ratio	114.7	100.0
Down Capture Ratio	91.4	100.0
Sharpe Ratio (geo)	0.4	0.2
Information Ratio (geo)	1.2	0.0
Tracking Error	4.0	0.0
Correlation	1.0	1.0

## Rolling Return (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—DFA US Targeted Value I

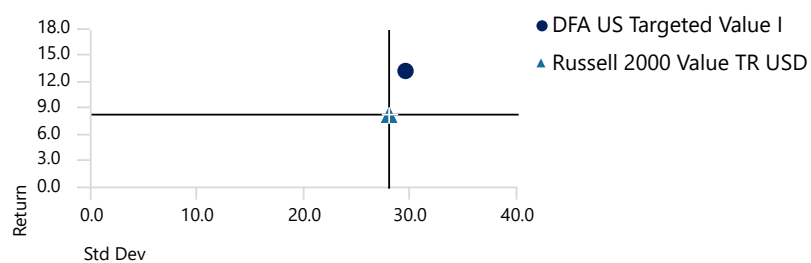
—Russell 2000 Value TR USD

## Calendar Year Returns

	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022	Rank	2023	Rank
DFA US Targeted Value I	2.9	65	-5.7	46	26.9	40	9.6	40	-15.8	55	21.5	52	3.8	45	38.8	13	-4.6	14	19.3	30
Russell 2000 Value TR USD	4.2		-7.5		31.7		7.8		-12.9		22.4		4.6		28.3		-14.5		14.6	

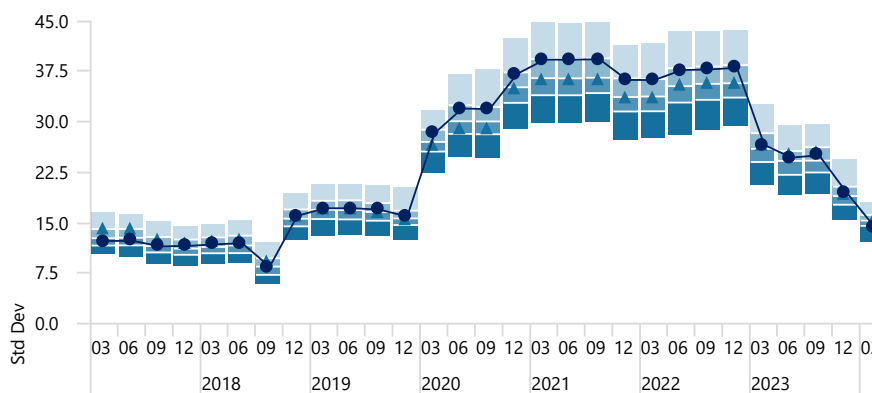
## Risk &amp; Return Illustration (5 Years)

Time Period: 4/1/2019 to 3/31/2024



## Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—DFA US Targeted Value I

—Russell 2000 Value TR USD



# WALTER SCOTT GLOBAL EQUITY FUND

## PORTFOLIO STRUCTURE

Top 10 Holdings	%
Novo Nordisk	4.3
Microsoft Corporation	4.1
Taiwan Semiconductor - ADR	3.4
Alphabet	3.4
Mastercard	3.3
Linde	3.0
Amphenol	2.8
Costco Wholesale	2.7
Adobe	2.6
Keyence	2.6
Total	32.2

Breakdown by Sector	NCS CIT Global %	MSCI World (ndr) %
Information technology	25.4	23.7
Healthcare	20.7	12.0
Consumer discretionary	14.9	10.7
Industrials	14.2	11.2
Consumer staples	8.1	6.5
Financials	6.6	15.4
Materials	5.1	3.9
Communication services	3.4	7.4
Energy	-	4.5
Real estate	-	2.3
Utilities	-	2.4
Liquidity	1.6	-
Total	100.0	100.0



Source: Walter Scott  
Data as of 03.31.2024

# WALTER SCOTT GLOBAL EQUITY FUND

Breakdown by Location	NCS CIT Global %	MSCI World (ndr) %
USA	58.2	70.9
Japan	5.8	6.1
France	5.5	3.2
United Kingdom	5.0	3.8
Denmark	4.3	0.9
Canada	4.2	3.1
Switzerland	3.9	2.4
Taiwan	3.4	-
Netherlands	2.5	1.3
Spain	2.4	0.7
Australia	1.8	1.9
Hong Kong	1.3	0.5
Other	-	5.2
Liquidity	1.6	-
Total	100.0	100.0



Source: Walter Scott  
Data as of 03.31.2024

# SILCHESTER INTERNATIONAL VALUE EQUITY

## PORTFOLIO CHARACTERISTICS

### Exclusion Portfolio

	SECURITY	Weight	P/BV	P/E	DY
1	SANOI	2.8	1.5	16.0	4.1
2	HONDA MOTOR	2.7	0.8	9.8	3.1
3	GSK	2.7	5.3	11.0	3.4
4	BMW	2.6	0.7	6.4	5.6
5	TESCO	2.4	1.8	12.6	3.7
6	BAYER	2.3	0.8	4.0	0.4
7	WPP	2.2	2.4	7.9	5.2
8	KINGFISHER	2.0	0.7	10.2	5.0
9	ROCHE	1.9	6.3	12.9	4.2
10	RANDSTAD	1.9	1.9	11.1	4.7
Aggregate Top 10		23.5	1.3	8.8	3.9
11	ADECCO	1.9	1.8	14.2	7.0
12	UBS GROUP	1.9	1.2	9.4	1.1
13	DENTSU GROUP	1.7	1.3	23.6	3.3
14	SUMITOMO MITSUI TRUST HOLDINGS	1.6	0.8	23.6	3.3
15	LG CORP	1.6	0.5	13.2	3.5
16	BNP PARIBAS	1.5	0.7	9.3	7.0
17	YAMAHA MOTOR	1.5	1.3	8.6	3.4
18	M&G	1.4	1.3	-10.5	8.9
19	NOKIA	1.4	0.9	23.0	3.6
20	ABN AMRO	1.2	0.6	5.3	8.1
21	SUMITOMO HEAVY INDUSTRIES	1.2	0.9	12.3	2.5
22	TAISEI CORP	1.2	1.2	36.4	2.3
23	BANGKOK BANK (NVDR)	1.1	0.5	6.4	5.0
24	HENDERSON LAND	1.1	0.3	11.8	8.1
25	SCHRODERS	1.1	1.4	13.0	5.7
Aggregate Top 25		44.8	1.0	10.6	4.3

	SECURITY	Weight	P/BV	P/E	DY
26	NOMURA HOLDINGS	1.1	0.9	25.3	1.7
27	IGM FINANCIAL	1.0	1.2	9.0	6.4
28	NOVARTIS	1.0	4.5	18.2	3.8
29	PEGATRON	1.0	1.4	17.3	3.9
30	SUMITOMO RUBBER	1.0	0.8	13.3	3.1
31	LARGAN PRECISION	1.0	2.0	18.3	2.8
32	HYUNDAI MOTOR	1.0	0.7	4.9	4.9
33	JANUS HENDERSON GROUP	0.9	1.2	13.7	4.7
34	MEDIPAL	0.9	0.8	13.5	2.6
35	STORA ENSO	0.9	0.9	20.1	0.8
36	DAITO TRUST CONSTRUCTION	0.9	3.0	14.7	3.1
37	KT CORP (ADR)	0.9	0.6	8.5	5.2
38	IIDA GROUP	0.9	0.6	14.0	4.5
39	HENKEL	0.9	1.4	15.3	2.7
40	DOWA HOLDINGS	0.9	0.9	12.6	2.4
41	SIGNIFY	0.9	1.3	17.7	5.4
42	PORSCHE SE	0.8	0.3	4.0	5.2
43	TIETOEVRY	0.8	1.4	10.5	7.5
44	MICHELIN	0.8	1.4	10.0	3.8
45	KYOTO FINANCIAL GROUP	0.8	0.7	25.1	1.4
46	BUZZI	0.8	1.3	8.4	1.2
47	HAYS	0.8	2.5	18.0	5.5
48	BANCA GENERALI	0.8	3.6	12.9	NA
49	TIGER BRANDS	0.8	2.0	12.6	4.9
50	ERICSSON	0.8	1.9	38.5	4.7
Aggregate Top 50		67.4	1.0	11.0	4.2

Data relates to the Exclusion Trust, using MSCI data where available, as of March 31, 2024. Financial ratios for Portfolio Average are a weighted average of the individual stockholdings as above. Information concerning the calculation of ratios used for portfolio Characteristics is available upon request. As of March 31, 2024 there were 133 holdings in the Exclusion Portfolio. Full Payout Yield is dividends plus net share repurchase.

		P/BV	P/E	DY
Exclusion Portfolio (31-03-2024)	100.0	1.0	12.2	4.1
		FPOY	5.8	

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Silchester International Investors



Source: Silchester  
Data as of 03.31.2024

# SILCHESTER INTERNATIONAL VALUE EQUITY

## PORTFOLIO CONSTRUCTION

### Geographic Allocation – Exclusion Portfolio

COUNTRY	RANGE	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023	Mar 2024
Austria	0-10	0.8	1.6	1.6	1.3	0.9	1.1	0.0	0.3	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Belgium	0-10	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.9	1.5	1.9	1.5	0.0	0.0	0.0	0.4	0.3
Denmark	0-10	3.9	6.0	4.7	2.8	3.5	2.8	0.7	0.3	0.5	0.7	1.5	0.3	0.5	0.7	0.6	0.5
Finland	0-10	3.4	1.7	2.2	2.4	2.4	1.8	1.5	1.2	0.6	1.2	1.8	1.6	0.7	0.3	2.2	3.2
France	0-30	8.3	10.2	8.2	7.6	7.2	6.3	8.2	8.9	8.8	10.1	9.2	9.0	8.8	7.8	7.2	7.7
Germany	0-30	9.2	6.4	5.0	1.6	0.1	0.2	2.3	3.4	1.1	1.2	1.1	0.5	2.2	2.9	10.3	10.4
Ireland	0-10	0.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Italy	0-10	5.5	3.3	0.2	0.1	0.3	0.5	2.0	0.7	1.1	1.3	1.1	1.1	0.9	0.6	1.5	1.6
Netherlands	0-20	7.4	6.3	4.0	5.3	6.2	6.6	4.5	6.8	6.2	5.2	1.8	0.8	1.5	1.3	4.6	4.7
Norway	0-10	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.6	0.0	0.0	0.3	0.0	0.0
Portugal	0-5	0.0	0.0	0.0	0.0	0.0	.0	0.0	0.0	0.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Spain	0-10	5.8	6.6	1.8	0.5	0.0	0.0	0.0	0.0	0.9	0.7	0.6	0.0	0.0	0.0	0.0	0.0
Sweden	0-10	1.0	0.9	0.9	0.0	0.0	0.2	1.3	1.1	0.4	1.2	0.2	1.1	0.0	0.0	1.6	1.6
Switzerland	0-30	14.3	7.6	6.9	6.5	9.5	7.0	4.8	10.1	15.5	12.9	11.1	10.7	9.2	10.4	8.1	6.9
United Kingdom	0-50	11.4	25.6	33.8	35.4	33.3	31.3	21.7	16.8	15.0	19.2	16.9	18.1	16.4	16.9	15.5	16.3
<b>TOTAL EUROPE</b>		<b>74.1</b>	<b>78.5</b>	<b>69.6</b>	<b>63.7</b>	<b>63.5</b>	<b>57.6</b>	<b>47.1</b>	<b>50.4</b>	<b>52.9</b>	<b>58.0</b>	<b>47.3</b>	<b>43.3</b>	<b>40.3</b>	<b>41.1</b>	<b>51.9</b>	<b>53.3</b>
Israel	0-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>JAPAN</b>	<b>0-70</b>	<b>18.5</b>	<b>14.6</b>	<b>16.3</b>	<b>8.4</b>	<b>23.1</b>	<b>25.6</b>	<b>27.8</b>	<b>23.8</b>	<b>28.2</b>	<b>24.3</b>	<b>28.2</b>	<b>29.2</b>	<b>31.8</b>	<b>35.4</b>	<b>29.6</b>	<b>29.0</b>
Australia	0-10	2.6	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hong Kong	0-10	1.6	0.3	5.7	9.5	7.6	7.6	7.7	6.6	3.7	3.8	7.2	6.5	7.3	5.6	3.4	3.1
New Zealand	0-10	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Singapore	0-10	3.3	2.9	2.8	4.3	4.0	6.7	7.7	8.2	3.5	3.4	3.5	3.6	2.7	1.3	1.9	2.2
<b>TOTAL PAC ex JAPAN</b>		<b>7.5</b>	<b>5.6</b>	<b>10.0</b>	<b>13.7</b>	<b>11.7</b>	<b>14.3</b>	<b>15.4</b>	<b>14.7</b>	<b>7.2</b>	<b>7.2</b>	<b>10.7</b>	<b>10.1</b>	<b>10.0</b>	<b>7.0</b>	<b>5.3</b>	<b>5.4</b>
China	0-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.0	2.3	2.8	2.4	0.4	0.3
South Korea	0-5	0.0	0.2	0.4	0.0	0.0	0.0	2.2	3.7	5.0	5.2	4.9	4.9	5.0	4.9	4.6	4.8
Mexico	0-5	0.0	0.0	0.0	0.8	1.5	1.7	1.6	1.7	1.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
South Africa	0-5	0.0	0.6	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.6	1.2	1.1
Taiwan	0-5	0.0	0.0	0.0	0.0	0.0	0.4	3.0	1.7	1.4	0.9	1.3	3.2	4.0	3.8	3.6	2.8
Thailand	0-5	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.6	2.6	1.1	2.9	2.6	1.2	1.2	1.2	1.1
Other	0-5	0.0	0.5	2.2	1.9	0.2	0.4	1.2	1.2	1.6	2.1	3.4	2.8	1.5	0.8	0.1	0.0
<b>TOTAL EMERGING MARKETS</b>		<b>0.0</b>	<b>1.3</b>	<b>3.8</b>	<b>3.2</b>	<b>1.7</b>	<b>2.5</b>	<b>9.8</b>	<b>11.0</b>	<b>11.7</b>	<b>10.5</b>	<b>13.8</b>	<b>16.1</b>	<b>16.1</b>	<b>15.0</b>	<b>11.2</b>	<b>10.2</b>
Canada	0-5	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.9	1.0	1.2
United States	0-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.6	1.0	0.9
<b>TOTAL NON-EAFE</b>	<b>0-20</b>	<b>0.0</b>	<b>1.3</b>	<b>4.0</b>	<b>4.2</b>	<b>1.7</b>	<b>2.5</b>	<b>9.8</b>	<b>11.0</b>	<b>11.7</b>	<b>10.5</b>	<b>13.8</b>	<b>17.4</b>	<b>17.8</b>	<b>16.5</b>	<b>13.2</b>	<b>12.4</b>

Data for Silchester shows the geographic allocation of the Business Trust at year ends for 1995 to 2021 and for the Exclusion Trust from 2022. 'Other' includes Argentina, Brazil, Greece, Malaysia, Poland and Turkey. As of March 31, 2024, 0.7% of the Exclusion Trust was held in cash and no currency hedging was in place.



Source: Silchester  
Data as of 03.31.2024



# SILCHESTER INTERNATIONAL VALUE EQUITY

## PORTFOLIO CONSTRUCTION

### *Holdings by Sector – Exclusion Portfolio*

SECTOR	RANGE	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023	Mar 2024
Communication Services	0-50	3.7	8.2	2.5	3.5	6.3	6.5	14.1	15.2	15.0	13.6	10.1	11.3	10.5	9.2	7.2	7.4
Consumer Discretionary	0-50	25.3	18.9	18.9	17.7	16.5	13.7	12.9	9.2	7.7	6.6	12.5	12.3	14.8	10.9	16.1	17.0
Consumer Staples	0-50	18.5	27.2	24.8	27.1	19.1	18.1	10.0	13.8	12.6	13.7	8.3	4.9	4.4	4.7	5.4	5.7
Energy	0-50	3.8	4.4	1.4	0.0	0.0	1.3	2.9	4.4	5.3	5.2	3.4	3.8	2.4	2.2	0.0	0.0
Financials	0-50	14.6	18.0	13.5	8.9	12.0	16.4	18.5	13.7	18.5	18.5	20.5	19.8	19.6	20.6	20.1	20.6
Health Care	0-50	3.5	1.9	7.8	7.0	13.4	11.6	11.5	12.8	15.6	11.1	9.6	11.7	10.2	14.7	15.7	15.3
Industrials	0-50	16.0	11.9	12.8	18.0	21.6	20.3	14.3	15.3	12.7	10.2	13.1	14.2	20.0	20.8	18.0	16.7
Information Technology	0-50	4.7	0.1	2.7	3.1	2.1	5.7	3.9	3.1	4.0	8.0	7.1	9.2	5.7	4.5	6.4	6.1
Materials	0-50	7.8	7.8	10.2	5.4	3.5	1.3	3.0	1.8	0.5	2.1	4.5	4.3	5.9	6.5	7.2	7.4
Real Estate	0-50	0.0	0.1	0.7	1.1	0.5	0.7	3.5	5.4	4.4	4.5	5.3	4.4	5.1	5.0	4.0	3.7
Utilities	0-50	2.1	1.4	4.7	8.3	5.2	4.5	5.5	5.3	3.9	6.6	5.6	4.2	1.4	0.9	0.0	0.0

Data for Silchester shows the sector allocation of the Business Trust at year ends for 1995 to 2021 and for the Exclusion Trust from 2022.

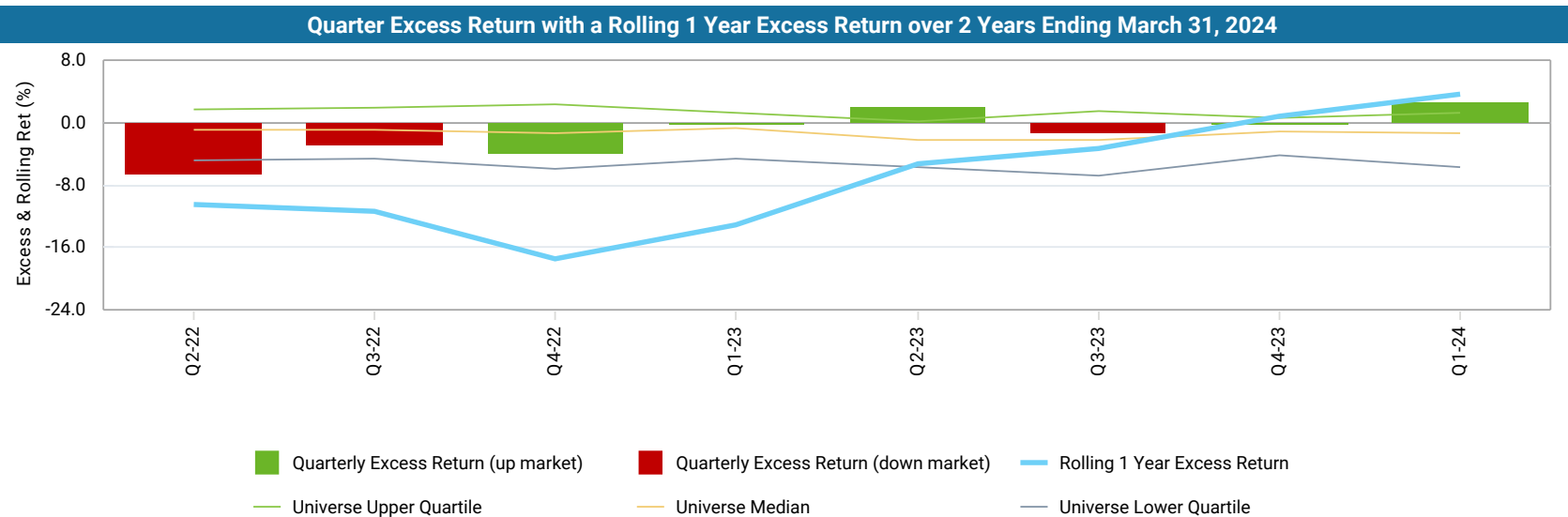
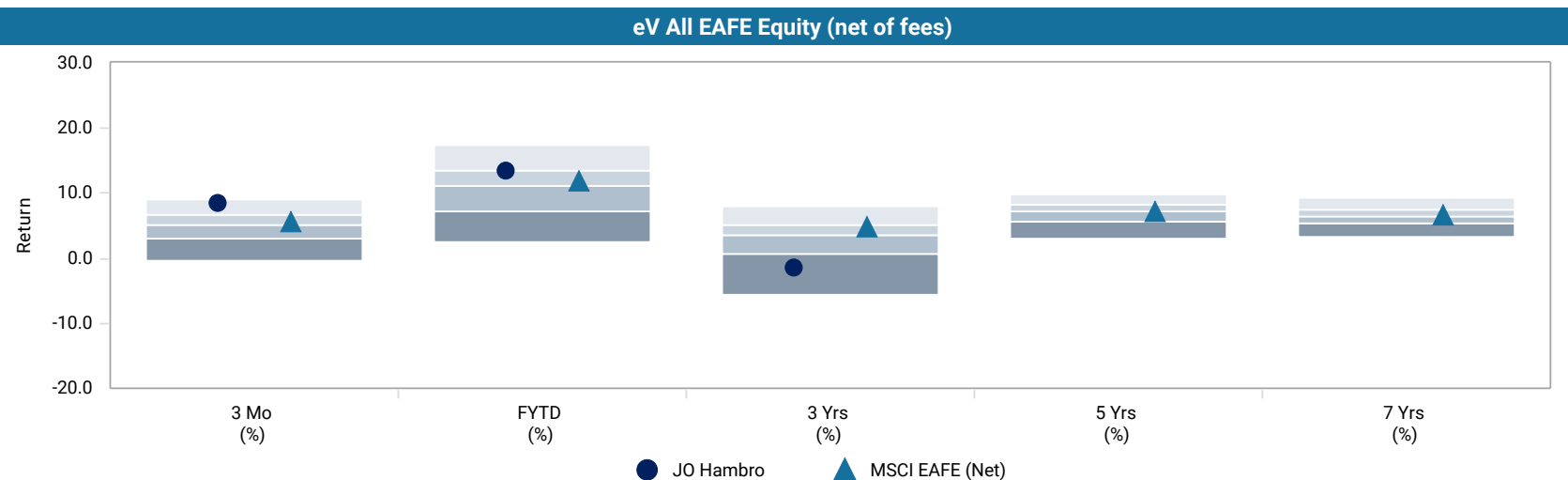
As of March 31, 2024



Source: Silchester  
Data as of 03.31.2024

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**JO HAMBRO**

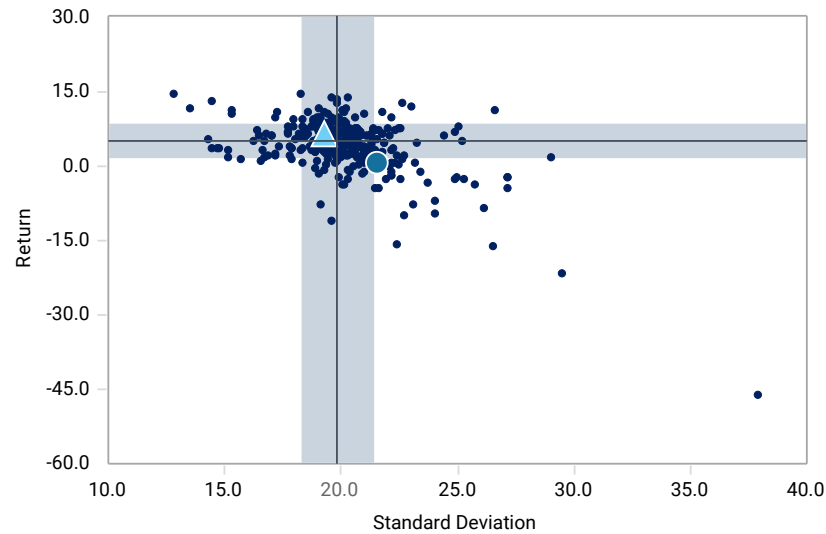
March 31, 2024



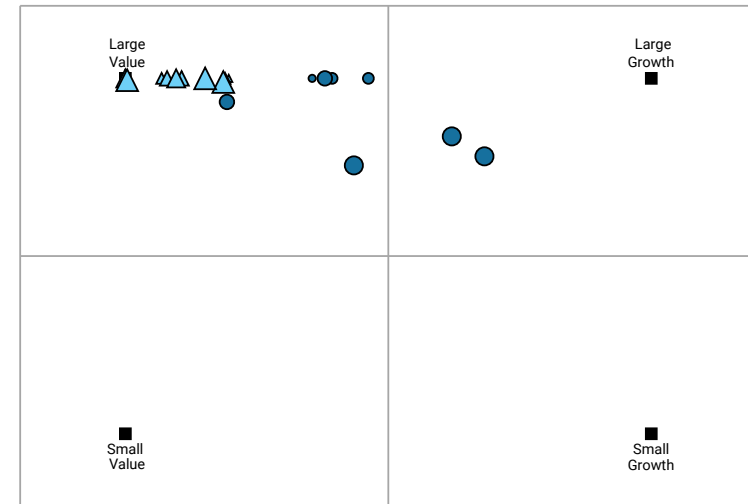
University Of Maine System  
**JO HAMBRO**

March 31, 2024

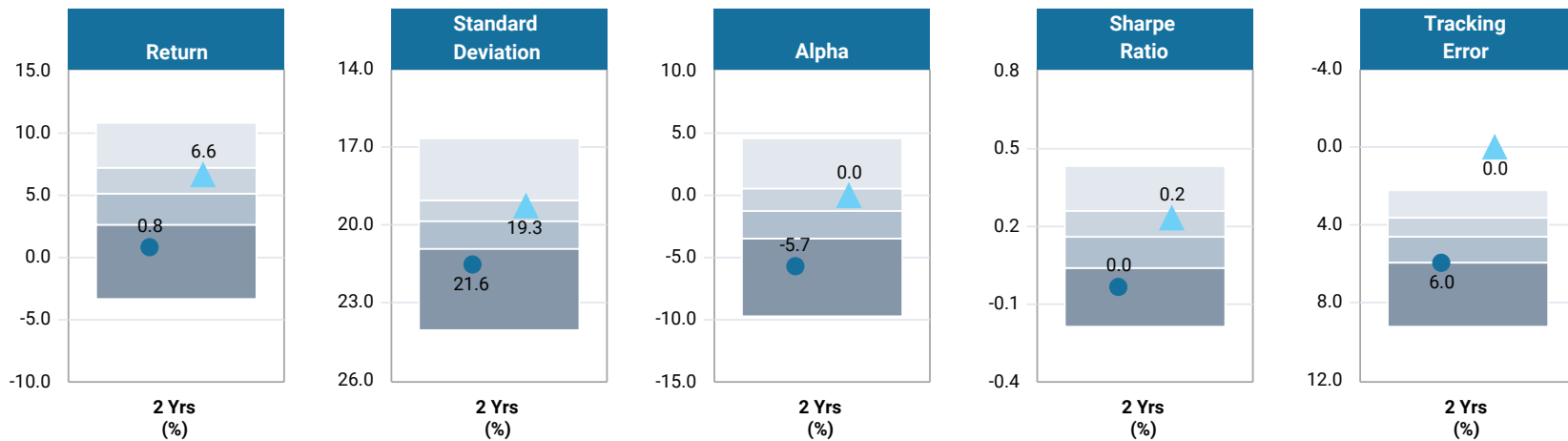
2 Years Return vs. Standard Deviation



Rolling 1 Year Style Map



● JO Hambro    ▲ MSCI EAFE (Net)



# JO HAMBRO

## Modern portfolio statistics

Statistics	5Y	10Y	
Correlation to benchmark	0.92	0.89	Correlation to benchmark is a measure of the strength of the relationship between a fund and its index.
Sharpe ratio	0.22	0.23	Sharpe ratio is a risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk.
Alpha	-1.40	1.17	Alpha is a measurement of a fund's risk-adjusted performance against its index.
Standard deviation	19.02	15.56	Standard deviation is a statistical measure of distribution around an average, which depicts how widely returns varied over a certain period of time. When a fund has a high standard deviation, the predicted range of performance is wide, implying greater volatility.
Tracking error (%)	7.39	7.23	Tracking error is a measure of how closely a Fund's performance follows its index.
Upside capture ratio	94	89	Upside and downside capture measures a manager's ability to generate excess return above the benchmark return in up markets and retain more of the excess return in down markets. The upside/downside capture ratio is the Fund's up/down market return divided by the index's up/down market return and equals the linked returns for all quarters in which the index return was greater/less than zero.
Downside capture ratio	100	84	

### Holding attribution

Top 5 attributors	Relative return
EQT	0.68
Fortescue Metals	0.68
Itaú Unibanco	0.41
SK hynix	0.37
CRH	0.34
Bottom 5 attributors	Relative return
Anglo American	-0.61
Socionext	-0.55
Aptiv	-0.50
CNH Industrial	-0.45
Lonza Group	-0.41

### Country attribution

	Relative return
Non Benchmark Countries	1.24
Australia	0.39
Sweden	0.38
Ireland	0.36
Hong Kong	0.16
Japan	0.14
Singapore	0.09
France	0.06
Norway	0.05
Belgium	0.04

### Sector attribution

	Relative return
Financials	2.02
Energy	0.48
Materials	0.24
Consumer Staples	0.21
Communication Services	0.06
Consumer Discretionary	0.04
Information Technology	-0.07
Real Estate	-0.08
Utilities	-0.12
Industrials	-0.76
Health Care	-1.78



Source: JOHCM/MSCI Barra/Bloomberg. Benchmark: MSCI EAFE NR Index  
Data as of 12.31.23

# JO HAMBRO

## Regional allocation

	Fund	Benchmark	Relative to benchmark
Emerging Markets	9.6	-	9.6
United States	6.7	-	6.7
UK	18.3	14.4	3.9
Japan	25.5	22.5	3.0
Pacific ex Japan	2.4	11.4	-9.0
Europe ex UK	34.8	51.7	-16.9

## Top 10 countries

	Fund	Benchmark
Japan	25.5	22.5
United Kingdom	18.3	14.4
Switzerland	9.3	10.0
Germany	7.1	8.6
France	6.9	12.0
United States	6.7	-
Brazil	5.0	-
Denmark	2.6	3.3
Argentina	2.5	-
Australia	2.4	7.6

## Sector allocation

	Fund	Benchmark	Relative to benchmark
Information Technology	18.6	8.6	10.0
Financials	23.7	19.1	4.6
Health Care	16.3	12.8	3.5
Industrials	18.9	16.4	2.5
Materials	9.0	7.8	1.2
Energy	2.2	4.3	-2.1
Real Estate	-	2.3	-2.3
Consumer Discretionary	9.0	11.8	-2.8
Utilities	-	3.5	-3.5
Communication Services	-	4.1	-4.1
Consumer Staples	2.1	9.3	-7.2

## Top 10 holdings

	Fund	Benchmark
Novo Nordisk	2.6	2.1
Schneider Electric	2.6	0.7
Deutsche Börse	2.5	0.2
B3	2.5	-
Sandoz	2.5	0.1
Ferguson	2.5	-
Globant	2.5	-
Japan Exchange	2.5	0.1
Recruit Holdings	2.4	0.4
Unibanco	2.4	-
Cash	0.3	-



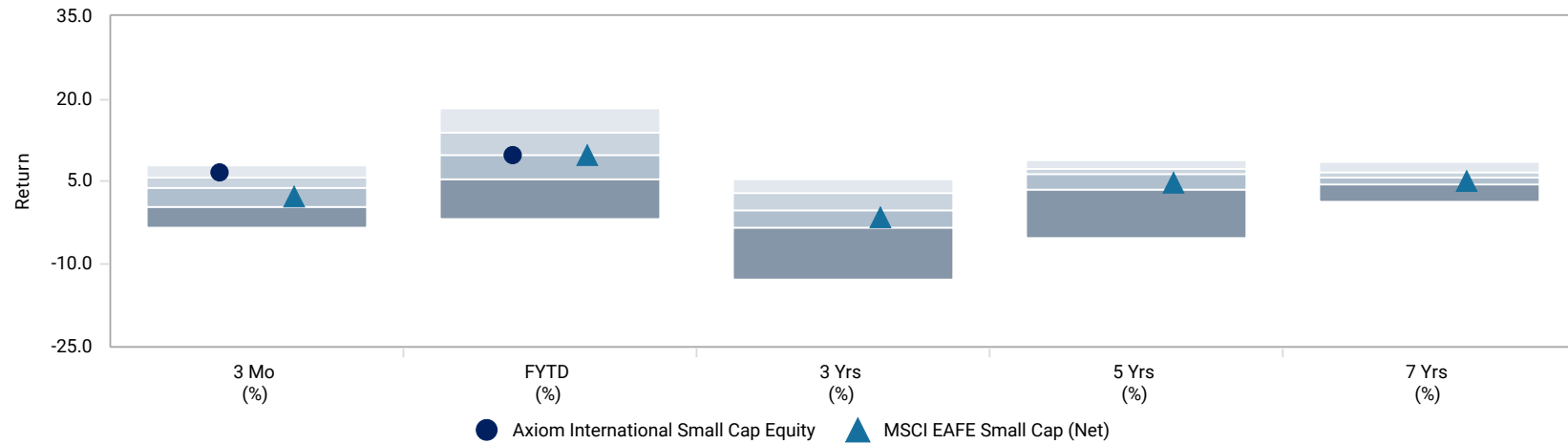
Source: JOHCM/MSCI Barra/Bloomberg. Benchmark: MSCI EAFE NR Index  
Data as of 12.31.2023

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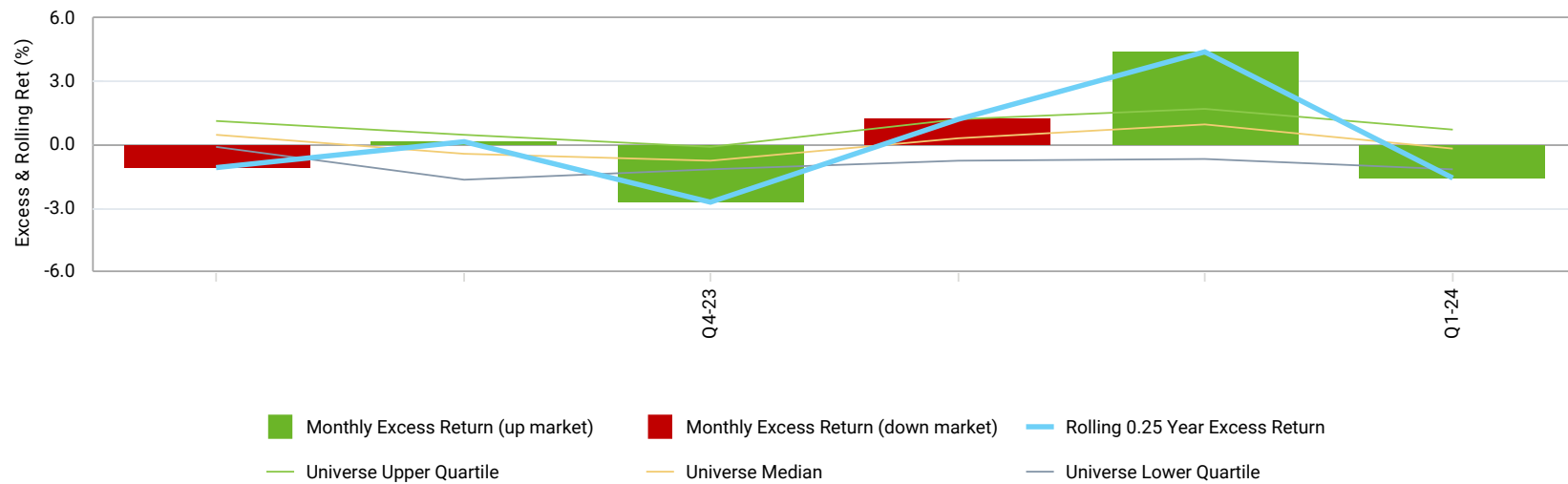
March 31, 2024

**AXIOM INTERNATIONAL SMALL CAP EQUITY**

eV EAFE Small Cap Equity (net of fees)



Quarter Excess Return with a Rolling 0.25 Year Excess Return over Ending March 31, 2024



University Of Maine System

March 31, 2024

# AXIOM INTERNATIONAL SMALL CAP EQUITY

## Axiom International Small Cap Equity vs. MSCI EAFE Small Cap (Net)

Portfolio Characteristics			Top Ten Equity Holdings		
	Portfolio	Benchmark		Weight (%)	Return (%)
Number of Stocks	86	2,159	Rheinmetall AG	3.0	77.5
Wtd. Avg. Mkt. Cap \$B	5.6	3.0	CTS Eventim AG & Co	2.7	28.8
Median Mkt. Cap \$B	3.8	1.3	Descartes	2.4	8.4
Price to Earnings	24.0	14.5	NICE Ltd	2.2	30.6
Price to Book	4.3	2.1	Sanrio Co Ltd	2.0	45.7
Return on Equity (%)	6.2	2.1	Scout24 SE	2.0	6.5
Current Yield (%)	1.6	3.2	Triveni Turbine Ltd	1.8	26.9
Beta		1.0	Phoenix Mills Ltd	1.8	23.7
R-Squared			ASM International NV	1.7	17.7
			Gaztransport et Technigaz	1.7	12.9

## Equity Sector Attribution

	Attribution				Returns		Sector Weights	
	Total Effects (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Portfolio (%)	Benchmark (%)	Portfolio (%)	Benchmark (%)
Energy	-0.2	-0.1	0.0	-0.1	0.7	4.5	4.8	3.2
Materials	0.1	-0.8	0.1	0.7	-7.1	1.0	0.9	9.4
Industrials	1.3	1.5	-0.1	-0.2	11.3	4.7	19.9	23.2
Consumer Discretionary	1.1	0.6	0.1	0.5	7.4	3.1	24.9	12.8
Consumer Staples	0.0	0.0	0.0	0.0	2.3	1.6	4.7	6.3
Health Care	0.0	0.0	0.0	0.0	-2.4	-1.6	5.7	6.4
Financials	0.0	0.5	-0.3	-0.2	13.6	9.1	7.0	11.7
Information Technology	0.7	0.4	0.0	0.3	6.4	2.1	17.5	9.9
Communication Services	0.2	0.1	-0.1	0.1	4.4	1.1	7.4	4.1
Utilities	0.1	0.0	0.1	0.0	0.0	0.4	0.0	2.5
Real Estate	0.7	0.7	0.2	-0.2	2.4	-4.0	7.1	10.5
Total	4.0	3.0	0.1	0.9	6.6	2.6	100.0	100.0

Due to the quarterly buy/hold strategy holdings-based analytics do not include securities that were bought or sold during the quarter.



## abrdn Emerging Markets Instl

As of 3/31/2024

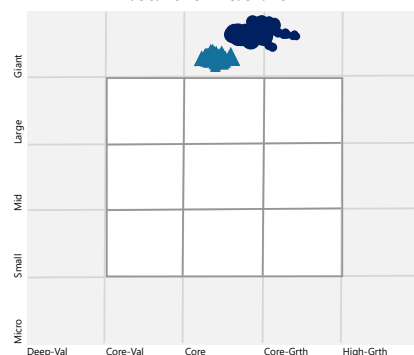
ABEMX

MSCI EM NR USD

US Fund Diversified Emerging Mkts

## Holdings Based Style Trail (5 Years)

Time Period: 4/30/2019 to 3/31/2024



• abrdn Emerging Markets Instl • MSCI EM NR USD

## Portfolio Statistics

	Fund	Index
# of Holdings	81	1,376
% Asset in Top 10 Holdings	39.8	24.1
Turnover Ratio %	30.0	
P/E Ratio	17.8	14.0
P/B Ratio	2.6	1.7
LT Earn Growth	12.6	10.8
Hist Earn Growth	5.0	6.6
12 Mo Yield	1.4	

## Market Capitalization Breakdown

	Fund	Index
Market Cap Giant %	73.3	53.7
Market Cap Large %	22.2	35.9
Market Cap Mid %	3.4	10.2
Market Cap Small %	1.1	0.2
Market Cap Micro %	0.0	0.0
Average Market Cap	70,321.1	37,059.6
Equity Region Developed %	43.6	33.4
Equity Region Emerging %	56.4	66.6

## Top Ten Holdings

	Port Weight %	3 Month Return
Taiwan Semiconductor Manufacturing Co Ltd	9.73	26.06
Samsung Electronics Co Ltd Participating Preferred	7.18	4.42
Tencent Holdings Ltd	5.34	3.24
Alibaba Grp Hldg	3.85	
SBI Life Insurance Company Limited	2.62	4.55
HDFC BANK LIMITED	2.56	
Power Grid Corp Of India Ltd	2.50	18.43
AIA Group Ltd	2.20	-22.95
TotalEnergies SE	1.96	3.08
PT Bank Rakyat Indonesia (Persero) Tbk Registered Shs Series -B-	1.83	8.04

## Sector Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Communication Services	7.13	8.71	-0.41	0.70	0.03	-0.07	-0.03
Consumer Discretionary	11.63	12.52	0.85	-0.34	0.03	0.16	0.19
Consumer Staples	7.61	5.93	-7.97	-4.29	-0.13	-0.32	-0.45
Energy	3.72	5.40	1.07	6.97	-0.05	-0.23	-0.28
Financials	20.23	22.70	0.21	2.13	0.00	-0.42	-0.42
Health Care	2.09	3.68	-15.46	-4.58	0.11	-0.28	-0.17
Industrials	6.30	6.90	-1.73	1.52	-0.01	-0.16	-0.17
Information Technology	26.12	22.23	12.55	9.58	0.35	0.77	1.13
Materials	6.56	7.42	-0.37	-4.85	0.02	0.31	0.33
Real Estate	1.41	1.61	-14.18	-6.03	0.02	-0.10	-0.09
Utilities	2.33	2.69	18.40	2.58	-0.01	0.37	0.36
Unclassified	0.00	0.18		23.93	-0.04	0.00	-0.04
Attribution Total	95.13	99.98	2.63	2.27	0.32	0.03	0.35
Cash	1.46	0.00					
Missing Performance	3.56	0.01					
Total	100.14	99.99					
Reported Total			1.68	2.37			
Expense Ratio			0.28	0.00			
Residual(Reported - Attribution + Expense)			-0.67	0.09			

## Region Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Africa	1.99	2.96	-14.48	-7.67	0.09	-0.16	-0.07
Asia - Developed	28.81	29.31	5.14	7.21	0.03	-0.64	-0.61
Asia - Emerging	40.45	48.26	1.77	1.05	0.07	0.33	0.40
Europe - Emerging	0.00	2.11		5.97	-0.08	0.00	-0.08
Eurozone	4.35	0.56	13.50	5.60	0.13	0.34	0.47
Latin America	12.94	9.19	-0.80	-4.18	-0.30	0.47	0.17
Middle East	3.23	7.07	-1.83	1.28	0.05	-0.10	-0.06
United Kingdom	0.58	0.01	-9.09	-31.89	-0.24	0.16	-0.08
United States	2.77	0.33	10.60	2.55	0.02	0.22	0.24
Unclassified	0.00	0.18		23.93	-0.04	0.00	-0.04
Attribution Total	95.13	99.98	2.63	2.27	-0.26	0.61	0.35
Cash	1.46	0.00					
Missing Performance	3.56	0.01					
Total	100.14	99.99					
Reported Total			1.68	2.37			
Expense Ratio			0.28	0.00			
Residual(Reported - Attribution + Expense)			-0.67	0.09			





## abrdn Emerging Markets Instl

As of 3/31/2024

ABEMX

MSCI EM NR USD

US Fund Diversified Emerging Mkts

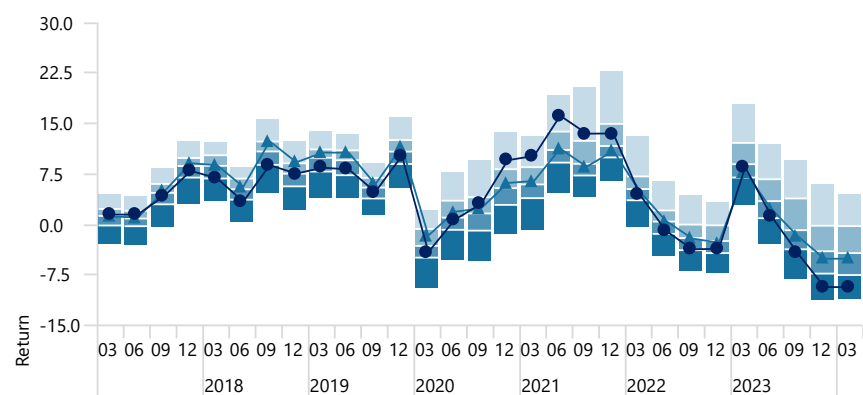
## Risk &amp; Return Characteristics (5 Years)

Time Period: 4/1/2019 to 3/31/2024

	Fund	Index
R2	96.6	100.0
Alpha	-0.7	0.0
Beta	1.2	1.0
Std Dev	24.6	21.0
Up Capture Ratio	111.7	100.0
Down Capture Ratio	119.1	100.0
Sharpe Ratio (geo)	0.0	0.0
Information Ratio (geo)	-0.2	0.0
Tracking Error	5.6	0.0
Correlation	1.0	1.0

## Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—abrdn Emerging Markets Instl

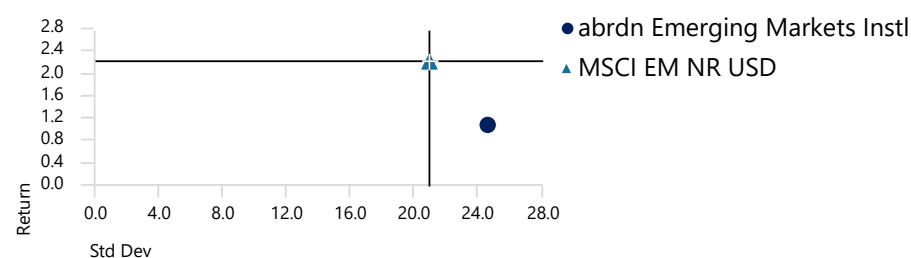
—MSCI EM NR USD

## Calendar Year Returns

	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022	Rank	2023	Rank
abrdn Emerging Markets Instl	-2.5	43	-13.7	45	12.0	24	30.2	70	-14.6	35	20.4	41	27.9	18	-5.0	79	-26.2	83	6.7	85
MSCI EM NR USD	-2.2		-14.9		11.2		37.3		-14.6		18.4		18.3		-2.5		-20.1		9.8	

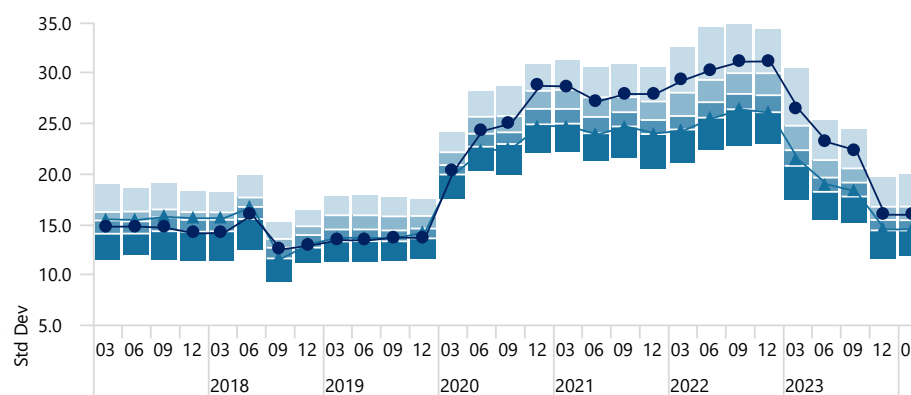
## Risk &amp; Return Illustration (5 Years)

Time Period: 4/1/2019 to 3/31/2024



## Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—abrdn Emerging Markets Instl

—MSCI EM NR USD

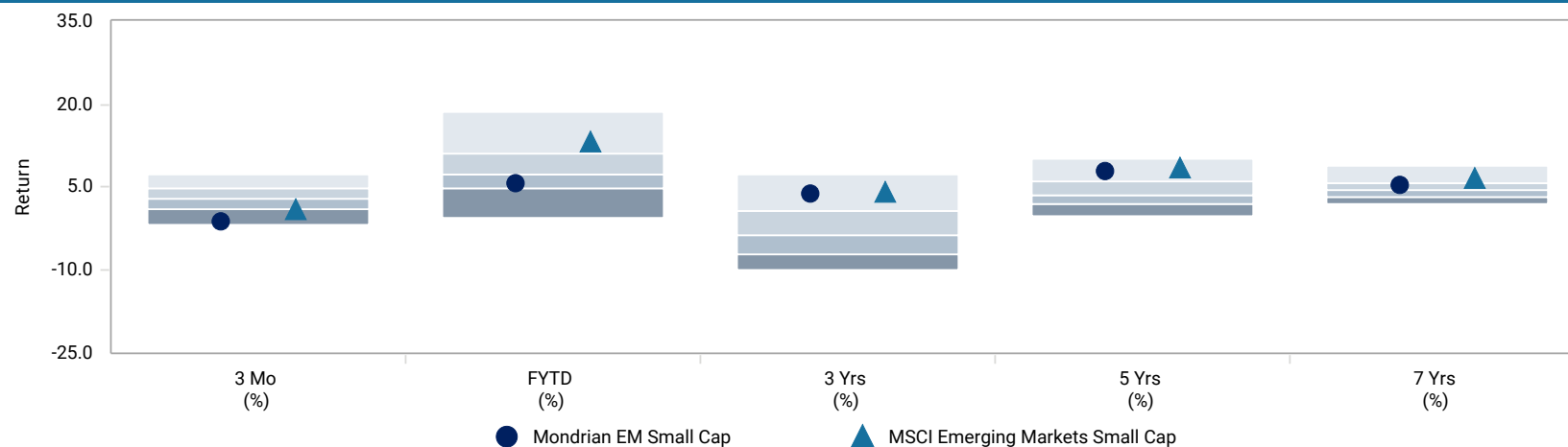


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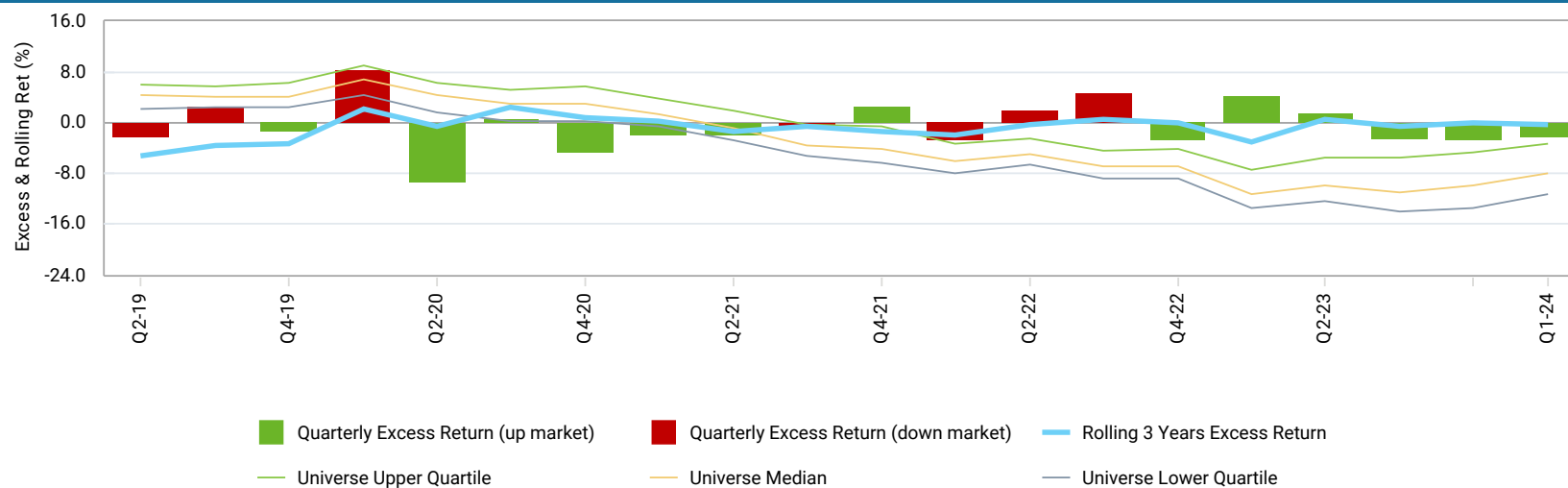
March 31, 2024

**MONDRIAN EM SMALL CAP**

eV Emg Mkts Equity (net of fees)

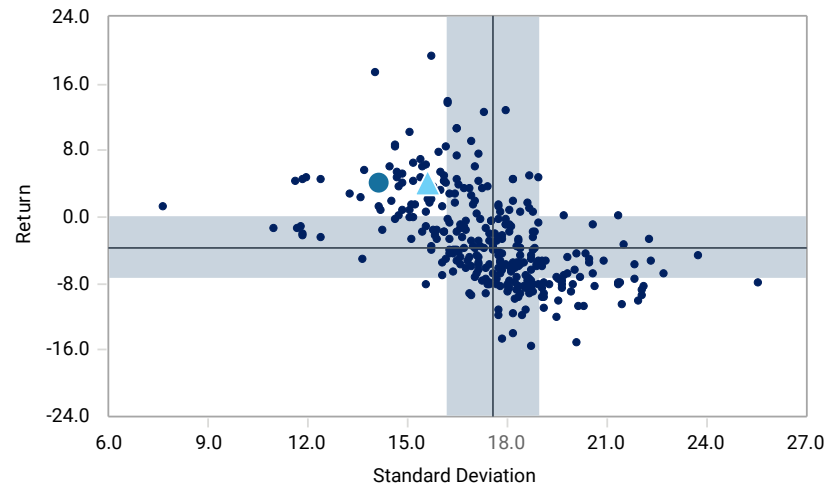
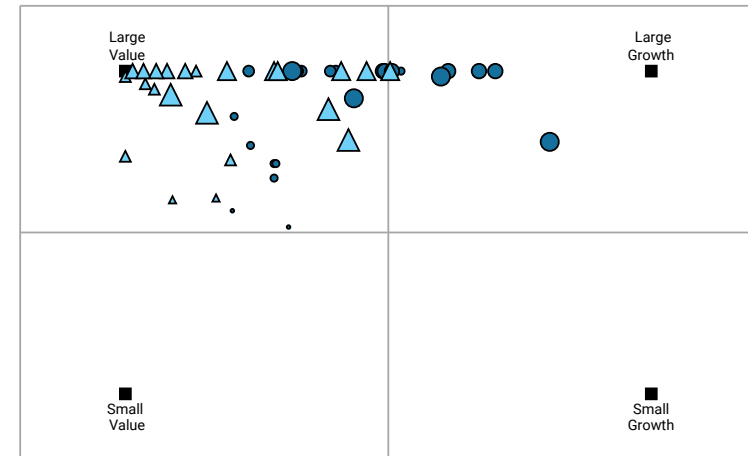


Quarter Excess Return with a Rolling 3 Years Excess Return over 5 Years Ending March 31, 2024



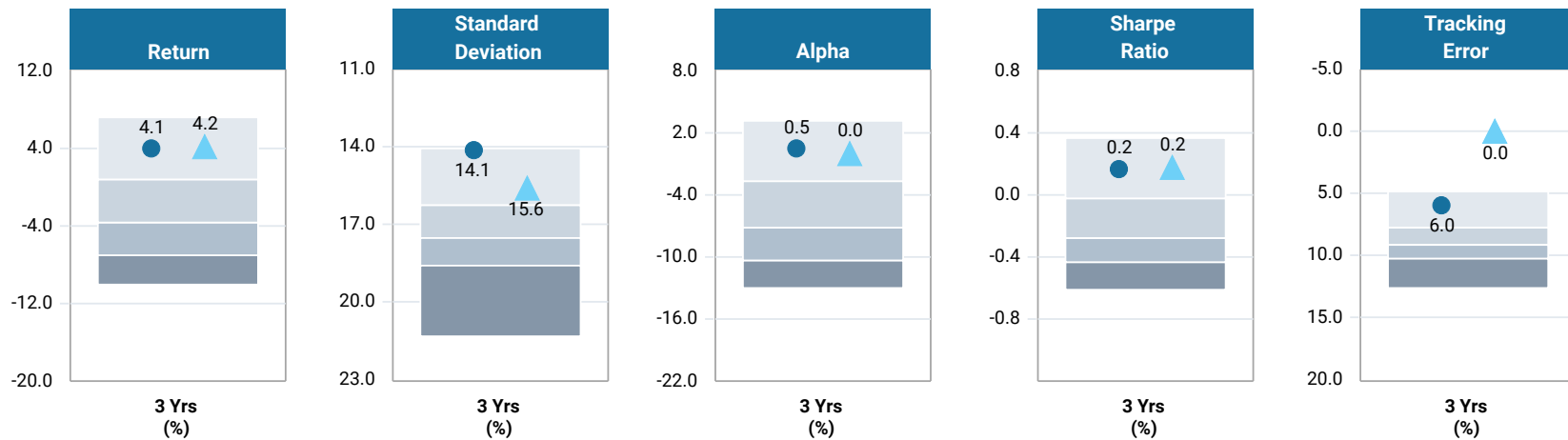
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March 31, 2024

**MONDRIAN EM SMALL CAP****3 Years Return vs. Standard Deviation****Rolling 1 Year Style Map**

● Mondrian EM Small Cap  
▲ MSCI Emerging Markets Small Cap

● Mondrian EM Small Cap  
▲ MSCI Emerging Markets Small Cap



University Of Maine System

March 31, 2024

**MONDRIAN EM SMALL CAP****Mondrian EM Small Cap vs. MSCI Emerging Markets Small Cap Index**

Portfolio Characteristics			Top Ten Equity Holdings		
	Portfolio	Benchmark		Weight (%)	Return (%)
Number of Stocks	103	1,827	Phoenix Mills Ltd	3.3	0.0
Wtd. Avg. Mkt. Cap \$B	1.9	1.6	Sinbon Electronics Co Ltd	2.8	7.2
Median Mkt. Cap \$B	1.5	0.9	Mouwasat Medical	2.8	5.5
Price to Earnings	18.6	10.1	Alchip Technologies Inc	2.6	-6.1
Price to Book	3.5	2.4	Kei Industries Ltd	2.2	-0.3
Return on Equity (%)	6.1	5.2	Varun Beverages Ltd	2.1	24.5
Current Yield (%)	2.1	3.2	National Central Cooling	2.1	5.0
Beta (5 Years, Monthly)	0.8	1.0	Syngene International Ltd	1.9	2.7
R-Squared (5 Years, Monthly)	0.9	1.0	Cera Sanitaryware Ltd	1.9	-5.8
			Fu Shou Yuan Int.	1.9	55.6

**Equity Sector Attribution**

	Attribution				Returns		Sector Weights	
	Total Effects (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Portfolio (%)	Benchmark (%)	Portfolio (%)	Benchmark (%)
Energy	-0.1	-0.2	0.0	0.1	1.4	9.6	1.1	2.4
Materials	-0.7	-1.5	0.0	0.8	-3.4	8.0	6.6	13.3
Industrials	0.0	-0.1	0.1	0.0	6.3	7.0	12.0	15.5
Consumer Discretionary	1.0	1.1	0.1	-0.1	11.6	3.4	11.3	12.7
Consumer Staples	0.3	0.2	0.0	0.1	12.6	10.2	9.6	6.6
Health Care	-0.7	-0.6	0.1	-0.3	4.2	11.0	12.3	8.3
Financials	-0.9	-1.2	-0.1	0.4	-0.1	10.6	7.6	11.1
Information Technology	-1.1	-0.7	0.0	-0.3	3.9	8.3	23.6	16.1
Communication Services	-0.7	-1.0	-0.2	0.5	-5.4	21.6	1.9	3.6
Utilities	0.0	-0.1	0.0	0.0	5.0	7.0	2.3	3.7
Real Estate	0.1	0.0	0.1	0.0	11.8	11.8	9.9	6.7
Cash	-0.2	0.0	-0.2	0.0	0.0	0.0	1.9	0.0
Total	-3.0	-4.1	-0.1	1.1	5.7	8.7	100.0	100.0

Due to the quarterly buy/hold strategy holdings-based analytics do not include securities that were bought or sold during the quarter.



## University Of Maine System FIDELITY

### Hypothetical Growth of \$10,000<sup>4,5</sup>

AS OF 03/31/2024 ; Intermediate Core Bond

● FTHRX : \$11,870 ● Bloomberg US Intermediate Government/Credit Bond Index : \$11,726 ● Intermediate Core Bond : \$11,428



The performance data featured represents past performance, which is no guarantee of future results. Investment return and principal value of an investment will fluctuate; therefore, you may have a gain or loss when you sell your shares. Current performance may be higher or lower than the performance data quoted.

### Performance<sup>3,4,6,10</sup>

AS OF 03/31/2024

Monthly	YTD (Monthly)	Average Annual Total Returns				
		1 Yr	3 Yrs	5 Yrs	10 Yrs	Life
Fidelity® Intermediate Bond Fund	0.13%	3.23%	-1.04%	1.28%	1.73%	6.41%
BBg Int Govt/Cr Bond	-0.15%	2.69%	-1.06%	1.09%	1.61%	6.32%
Intermediate Core Bond	-0.51%	2.01%	-2.45%	0.36%	1.43%	--
Rank in Morningstar Category		13%	7%	5%	23%	--
# of Funds in Morningstar Category		470	426	385	275	--
<b>Quarter-End</b> (AS OF 03/31/2024)						
Fidelity® Intermediate Bond Fund		3.23%	-1.04%	1.28%	1.73%	6.41%

### Calendar Year Returns<sup>3,4,6,10</sup>

AS OF 03/31/2024

	2020	2021	2022	2023	2024
Fidelity® Intermediate Bond Fund	7.21%	-1.33%	-8.73%	5.54%	0.13%
BBg Int Govt/Cr Bond	6.43%	-1.44%	-8.23%	5.24%	-0.15%
Intermediate Core Bond	7.52%	-1.48%	-13.32%	5.59%	-0.51%

### Morningstar® Snapshot<sup>\*11</sup>

AS OF 03/31/2024

Morningstar Category	Intermediate Core Bond
Risk of this Category	Lower Higher
Overall Rating	★★★★★ Out of 426 funds
Returns	Low Avg High
Expenses	Low Avg High

\*Data provided by Morningstar

### Details

Morningstar Category	Intermediate Core Bond
Fund Inception	05/23/1975
NAV	\$9.87
04/26/2024	
Exp Ratio (Gross)	0.45%
03/01/2024	
Exp Ratio (Net)	0.45%
03/01/2024	
Minimum to Invest	\$0.00
Turnover Rate	31.00%
02/29/2024	
Portfolio Net Assets (\$M)	\$3,654.47
03/31/2024	

### Top 5 Issuers<sup>7</sup>

AS OF 03/31/2024

51.07% of Total Portfolio	
715 holdings as of 03/31/2024	
332 issuers as of 03/31/2024	
UST NOTES	
BANK OF AMERICA CORPORATION	
JPMORGAN CHASE & CO	
MORGAN STANLEY	
GMF FLOORPLAN OWNER REVOLVING	

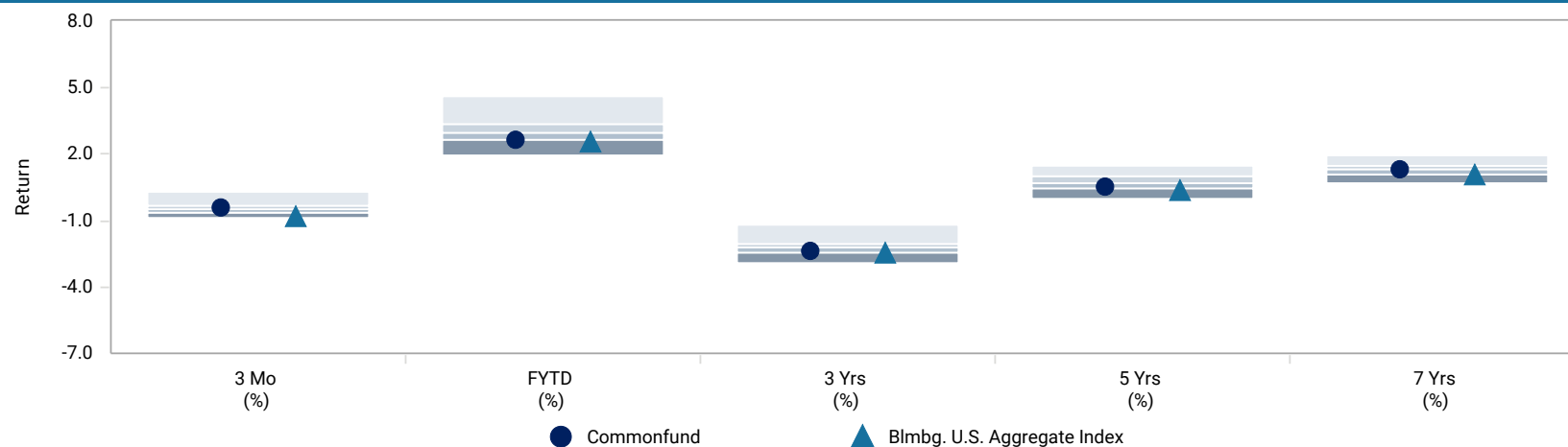
### Fund Manager(s)

Co-Manager :	Rob M Galusza (since 07/01/2009)
Co-Manager :	David DeBiase (since 09/30/2017)
Co-Manager :	Julian R Potenza (since 10/01/2019)

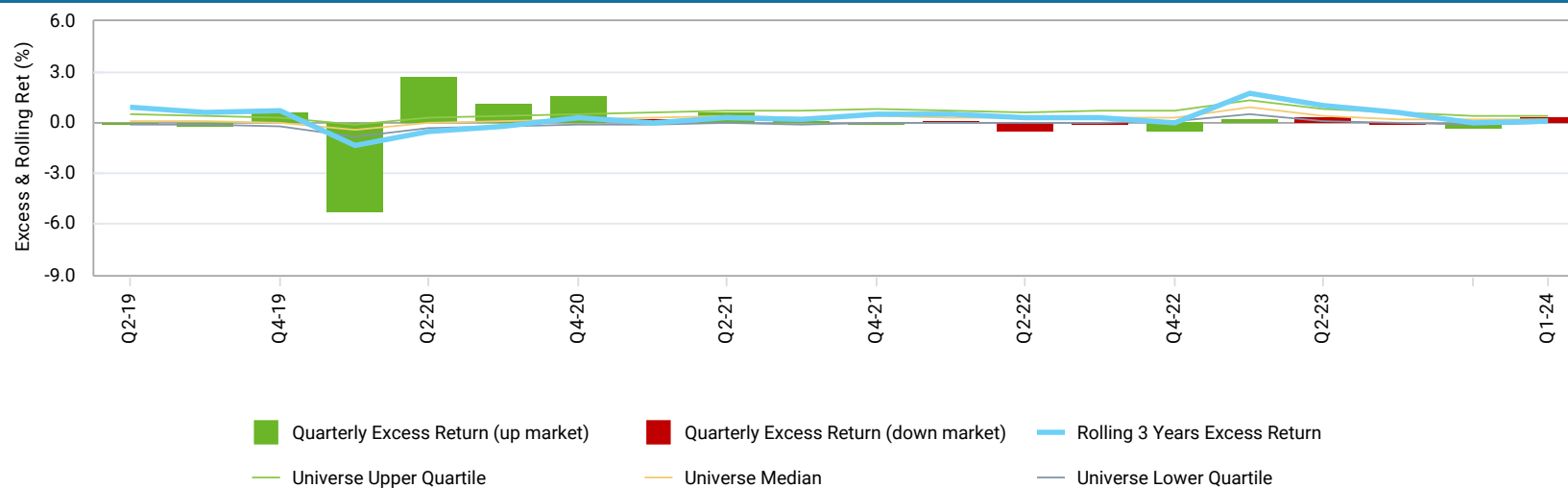
# University Of Maine System COMMONFUND

March 31, 2024

eV US Core Fixed Inc (net of fees)



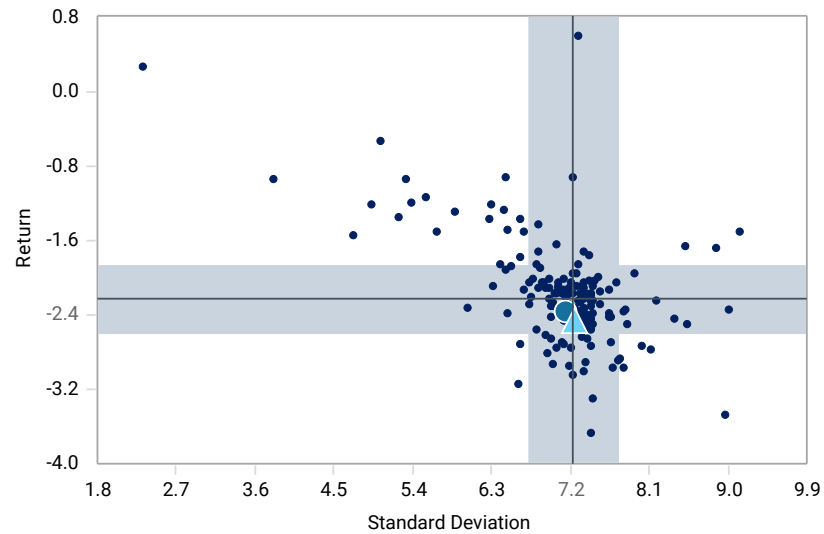
Quarter Excess Return with a Rolling 3 Years Excess Return over 5 Years Ending March 31, 2024



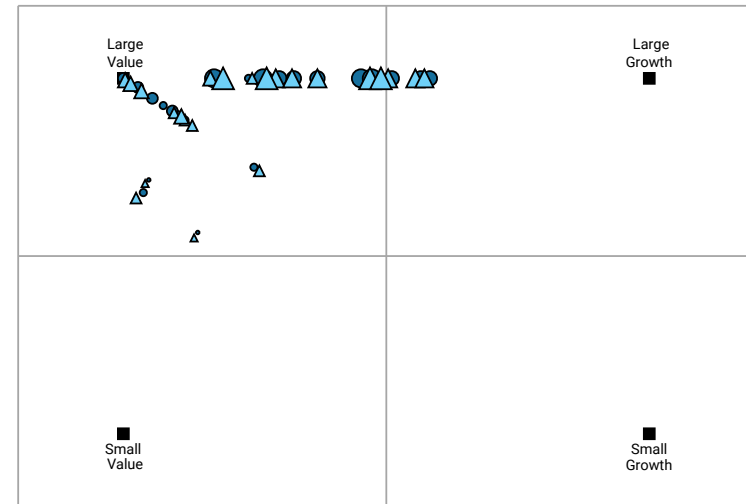
# University Of Maine System COMMONFUND

March 31, 2024

3 Years Return vs. Standard Deviation



Rolling 1 Year Style Map

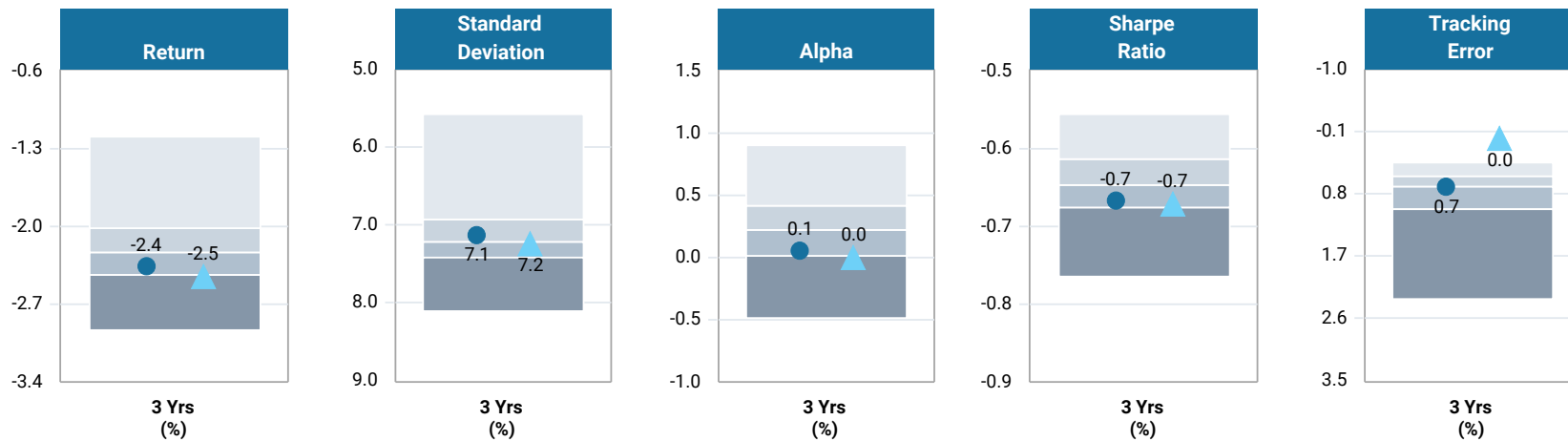


● Commonfund

▲ Blmbg. U.S. Aggregate Index

● Commonfund

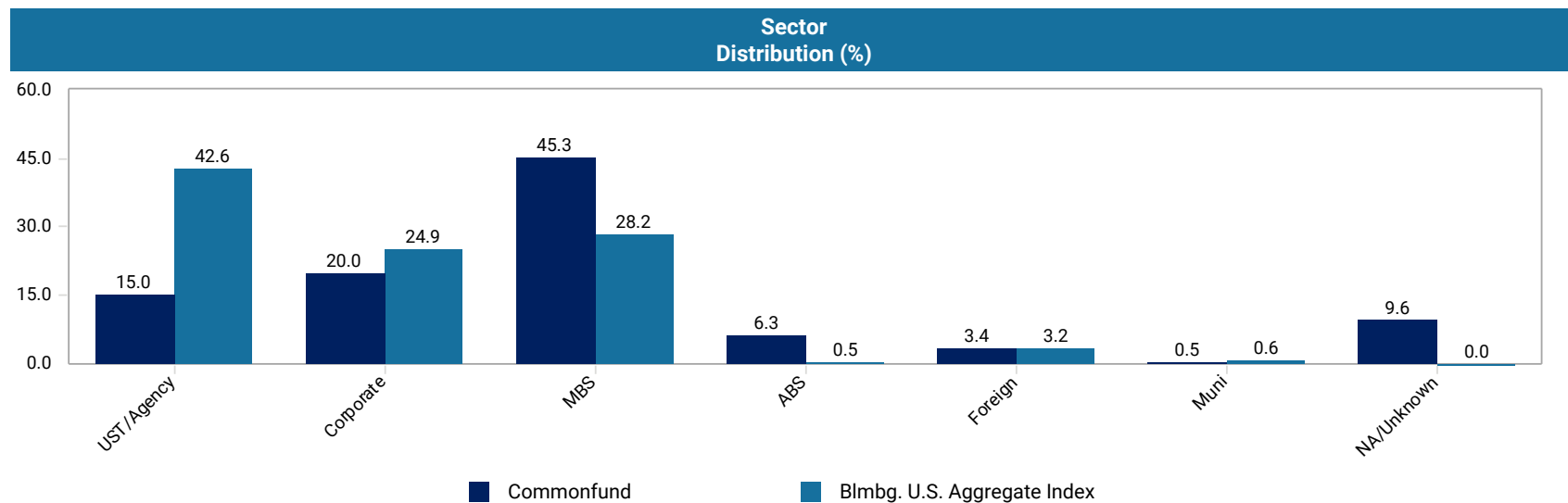
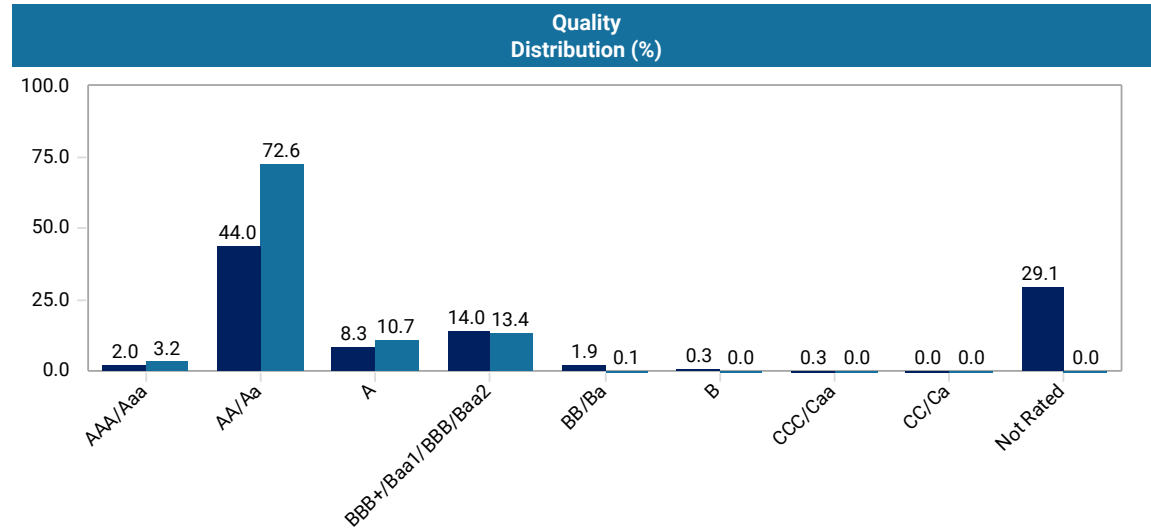
▲ Blmbg. U.S. Aggregate Index



## University Of Maine System COMMONFUND

March 31, 2024

Characteristics	
Portfolio	Benchmark
Yield To Maturity (%)	4.5
Avg. Maturity	8.4
Average Duration	6.2
Avg. Quality	AA



Holdings as of 12/31/2023.

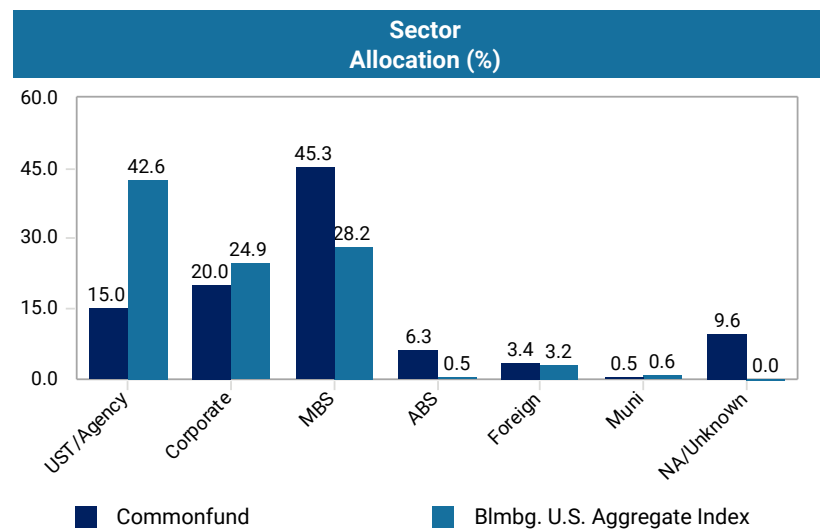
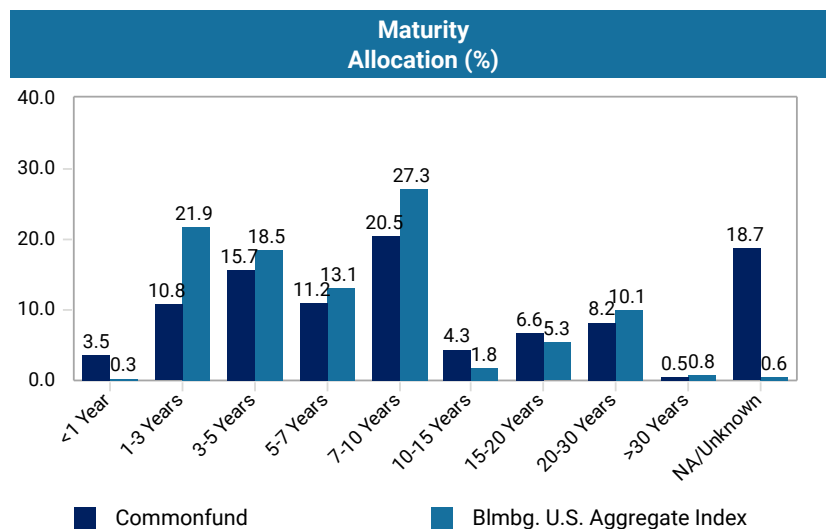
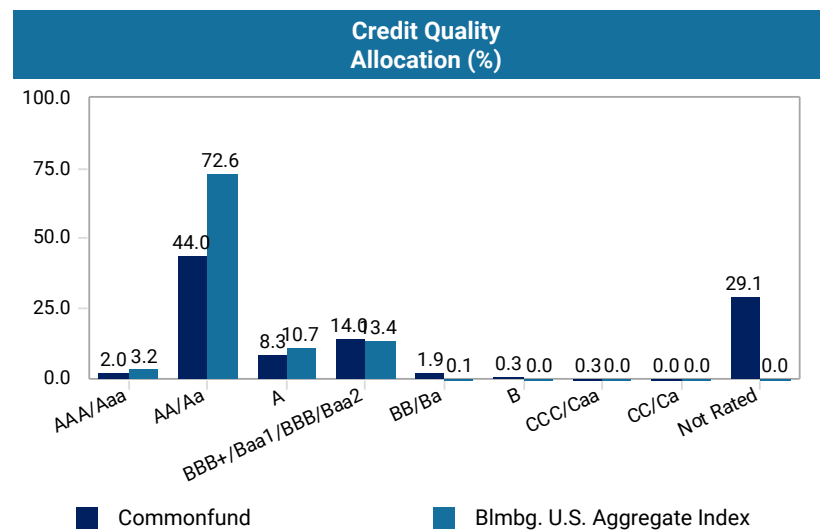




## University Of Maine System COMMONFUND

March 31, 2024

Portfolio Characteristics		
	Portfolio	Benchmark
Holdings Count	3,382	10,904
Yield To Maturity (%)	3.1	2.3
Average Duration		6.3
Effective Duration		6.2
Modified Duration		6.3
Avg. Quality		AA
Avg. Maturity		8.2



Holdings as of 12/31/2023.



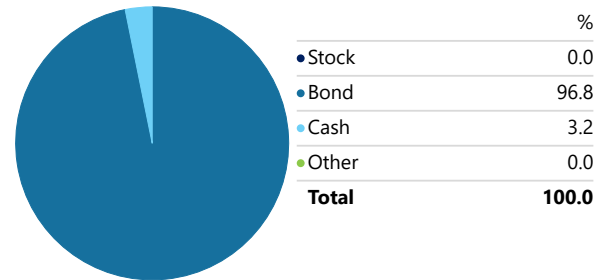
# Vanguard Inflation-Protected Secs Adm

As of 3/31/2024

VAIPX	Bloomberg US Treasury US TIPS TR USD	US Fund Inflation-Protected Bond
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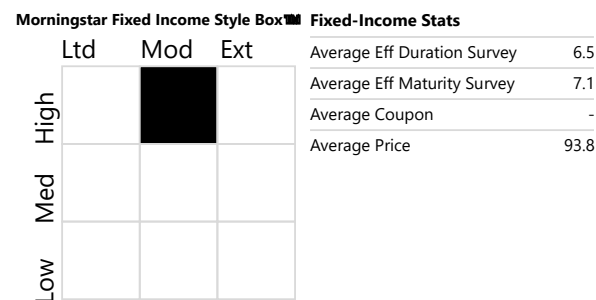
## Asset Allocation

Portfolio Date: 12/31/2023



## Fixed Income Statistics

Portfolio Date: 12/31/2023

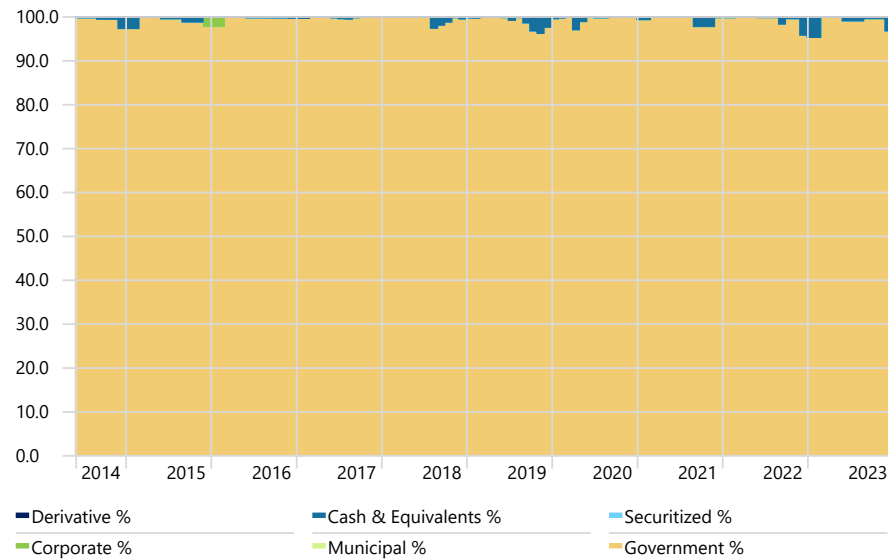


## Credit Quality Breakdown

Portfolio Date: 12/31/2023

	Fund	Index
AAA %	96.3	
AA %	0.00	
A %	0.00	
BBB %	0.00	
BB %	0.00	
B %	0.00	
Below B %	0.00	
Not Rated %	3.66	
Average YTM Survey	3.98	

## Historical Sector Allocations (10 Years)



## Top Holdings

	Detail Holding Type	Portfolio Weighting %
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	4.75
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.59
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.55
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.51
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.25
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.19
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.18
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.08
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.02
United States Treasury Notes	BOND - GOV'T INFLATION PROTECTED	3.00



# Vanguard Inflation-Protected Secs Adm

As of 3/31/2024

VAIPX	Bloomberg US Treasury US TIPS TR USD	US Fund Inflation-Protected Bond
-------	--------------------------------------	----------------------------------

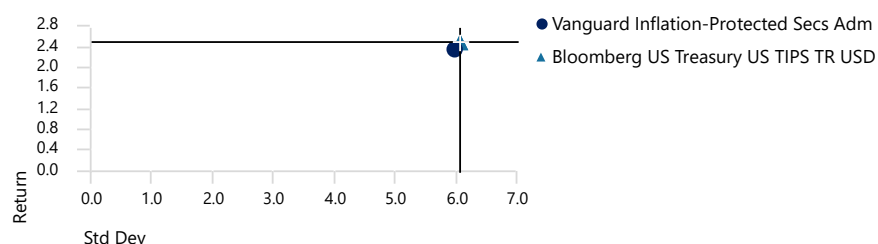
## Risk & Return Characteristics (5 Years)

Time Period: 4/1/2019 to 3/31/2024

	Fund	Index
R2	99.8	100.0
Alpha	-0.1	0.0
Beta	1.0	1.0
Std Dev	6.0	6.1
Up Capture Ratio	97.4	100.0
Down Capture Ratio	99.4	100.0
Sharpe Ratio (geo)	0.0	0.1
Information Ratio (geo)	-0.5	
Tracking Error	0.3	0.0
Correlation	1.0	1.0

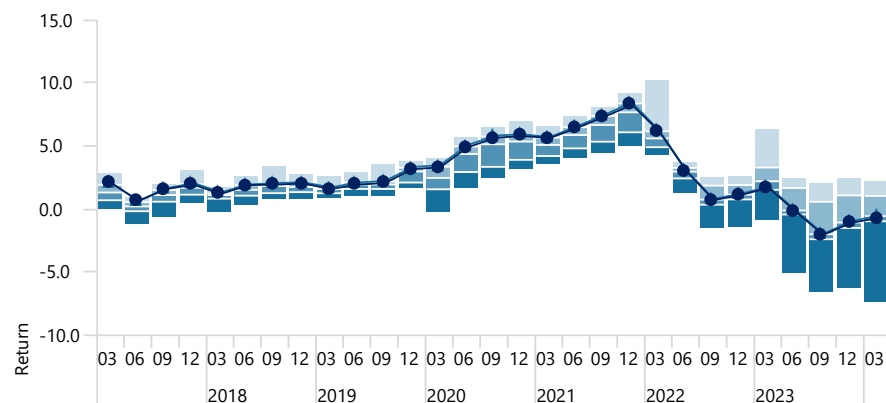
## Risk & Return Illustration (5 Years)

Time Period: 4/1/2019 to 3/31/2024



## Rolling Returns (3 Years)

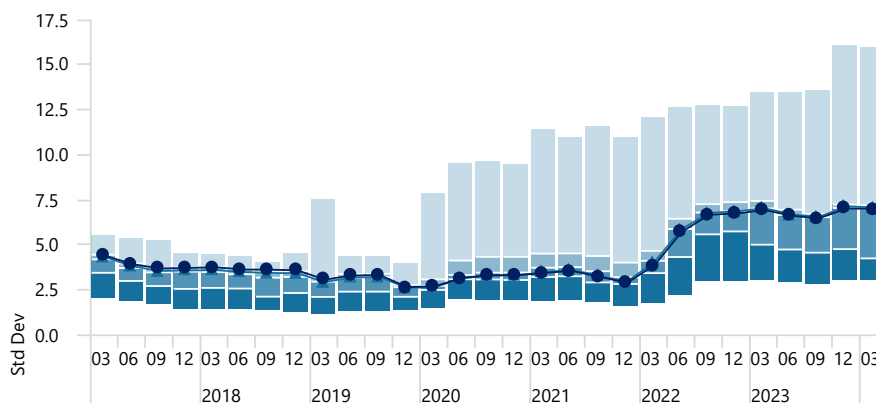
Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—Vanguard Inflation-Protected Secs Adm —Bloomberg US Treasury US TIPS TR USD

## Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—Vanguard Inflation-Protected Secs Adm —Bloomberg US Treasury US TIPS TR USD

## Calendar Year Returns

	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022	Rank	2023	Rank
Vanguard Inflation-Protected Secs Adm	4.0	5	-1.7	32	4.6	40	2.9	39	-1.4	47	8.2	45	11.0	32	5.7	33	-11.9	53	3.8	52
Bloomberg US Treasury US TIPS TR USD	3.6		-1.4		4.7		3.0		-1.3		8.4		11.0		6.0		-11.8		3.9	



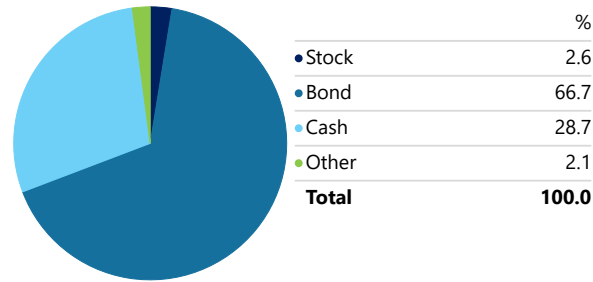
# BlackRock Strategic Income Opps K

As of 3/31/2024

BSIKX	Bloomberg US Agg Bond TR USD	US Fund Nontraditional Bond
-------	------------------------------	-----------------------------

## Asset Allocation

Portfolio Date: 1/31/2024



## Fixed Income Statistics

Portfolio Date: 9/30/2023

Morningstar Fixed Income Style Box

Not Available

### Fixed-Income Stats

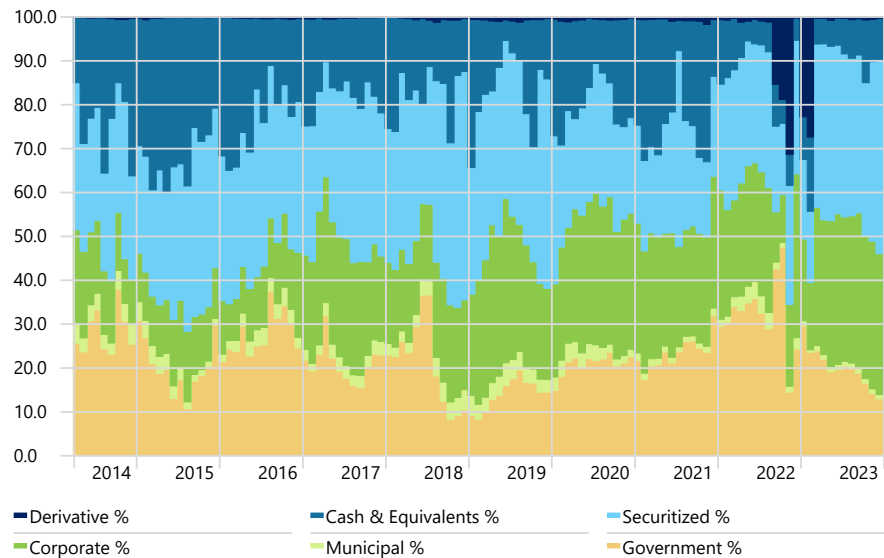
Average Eff Duration Survey	3.5
Average Eff Maturity Survey	6.6
Average Coupon	4.6
Average Price	90.0

## Credit Quality Breakdown

Portfolio Date: 1/31/2024

	Fund	Index
AAA %	8.5	
AA %	27.21	
A %	14.02	
BBB %	17.90	
BB %	10.61	
B %	6.49	
Below B %	2.32	
Not Rated %	12.96	
Average YTM Survey	6.09	

## Historical Sector Allocations (10 Years)



## Top Holdings

	Detail Holding Type	Portfolio Weighting %
United States Treasury Bonds 3%	BOND - GOV'T/TREASURY	2.70
United States Treasury Notes 0.625%	BOND - GOV'T INFLATION PROTECTED	1.69
United States Treasury Notes 0.5%	BOND - GOV'T INFLATION PROTECTED	1.41
Spain (Kingdom of) 3.15%	BOND - GOV'T/TREASURY	1.13
Spain (Kingdom of) 2.55%	BOND - GOV'T/TREASURY	1.11
BlackRock Liquid Environmntly Awr Drt	MUTUAL FUND - MONEY MARKET	1.02
BlackRock Liquidity T-Fund Instl	MUTUAL FUND - MONEY MARKET	0.76
United States Treasury Notes 3.125%	BOND - GOV'T/TREASURY	0.48
United States Treasury Notes 1.625%	BOND - GOV'T INFLATION PROTECTED	0.43
United States Treasury Notes 0.625%	BOND - GOV'T INFLATION PROTECTED	0.43



# BlackRock Strategic Income Opps K

As of 3/31/2024

BSIKX	Bloomberg US Agg Bond TR USD	US Fund Nontraditional Bond
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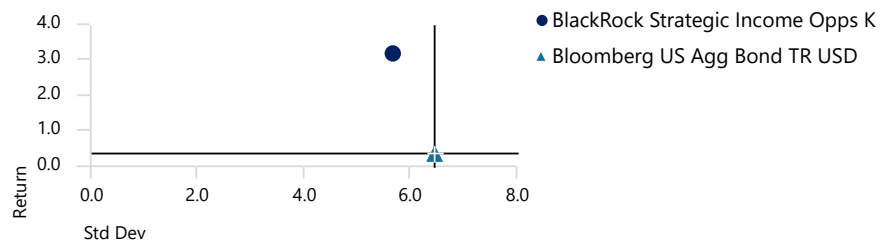
## Risk & Return Characteristics (5 Years)

Time Period: 4/1/2019 to 3/31/2024

	Fund	Index
R2	29.8	100.0
Alpha	1.9	0.0
Beta	0.5	1.0
Std Dev	5.7	6.5
Up Capture Ratio	82.6	100.0
Down Capture Ratio	25.3	100.0
Sharpe Ratio (geo)	0.2	-0.3
Information Ratio (geo)	0.5	
Tracking Error	5.8	0.0
Correlation	0.5	1.0

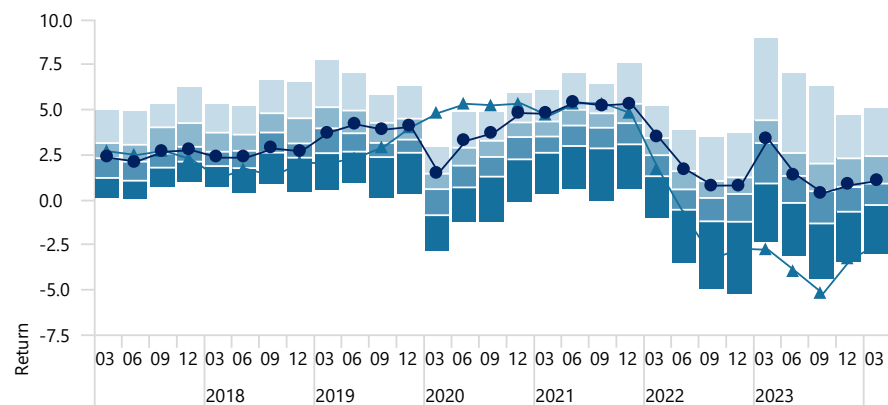
## Risk & Return Illustration (5 Years)

Time Period: 4/1/2019 to 3/31/2024



## Rolling Returns (3 Years)

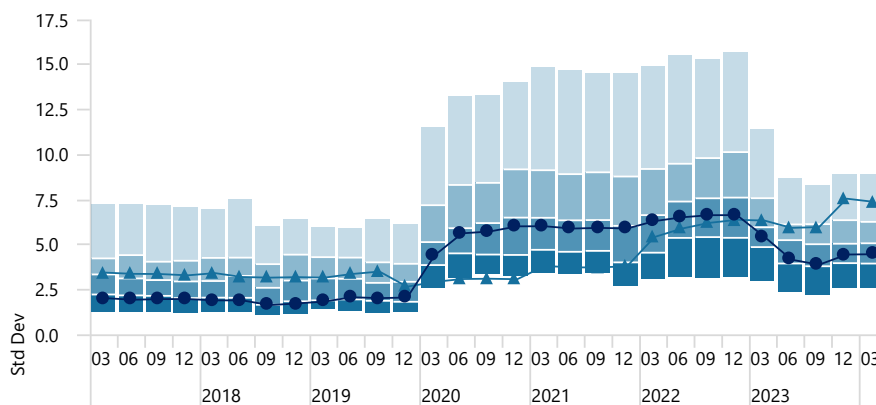
Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—BlackRock Strategic Income Opps K —Bloomberg US Agg Bond TR USD

## Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



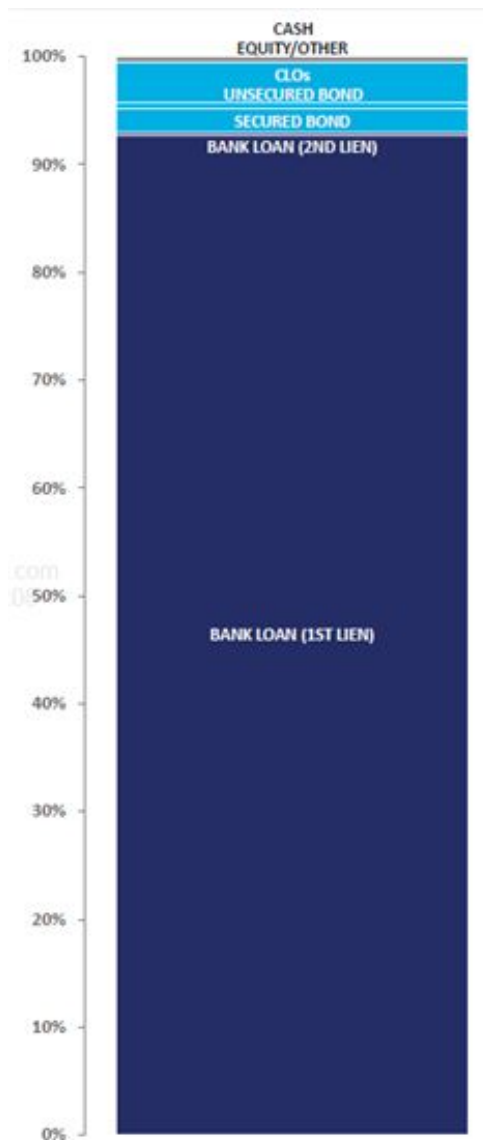
—BlackRock Strategic Income Opps K —Bloomberg US Agg Bond TR USD

## Calendar Year Returns

	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022	Rank	2023	Rank
BlackRock Strategic Income Opps K	3.9		-0.3		3.7		5.0	37	-0.5	46	7.8	36	7.3	25	1.1	57	-5.6	41	7.4	49
Bloomberg US Agg Bond TR USD	6.0		0.5		2.6		3.5		0.0		8.7		7.5		-1.5		-13.0		5.5	



# BAIN CAPITAL SENIOR LOAN FUND



## TOP 5 RELATIVE CONTRIBUTORS & DETRACTORS

CONTRIBUTORS		
Issuer	BPS	Avg Weight
Algoma Steel	12	0.3%
Service King	4	0.7%
ACProducts	4	0.5%
Consolidated Precision Products	2	0.4%
Amneal Pharmaceuticals	2	0.6%
Total Contributors	131	--
DETRACTORS		
Issuer	BPS	Avg Weight
Technicolor Creative Studios	(8)	0.1%
Hurtigruten	(7)	0.2%
Careismatic	(5)	0.1%
Cineworld	(3)	0.2%
Vue Entertainment	(3)	0.1%
Total Detractors	(138)	--



Source: Bain Capital  
Data as of 12.31.2023

## Baird Aggregate Bond Inst

As of 3/31/2024

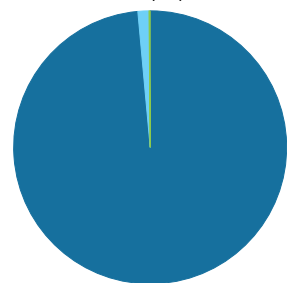
BAGIX

Bloomberg US Agg Bond TR USD

US Fund Intermediate Core Bond

## Asset Allocation

Portfolio Date: 12/31/2023

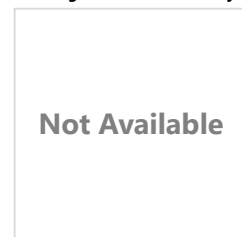


• Stock	0.0
• Bond	98.6
• Cash	1.3
• Other	0.1
<b>Total</b>	<b>100.0</b>

## Fixed Income Statistics

Portfolio Date: 12/31/2023

Morningstar Fixed Income Style Box



## Fixed-Income Stats

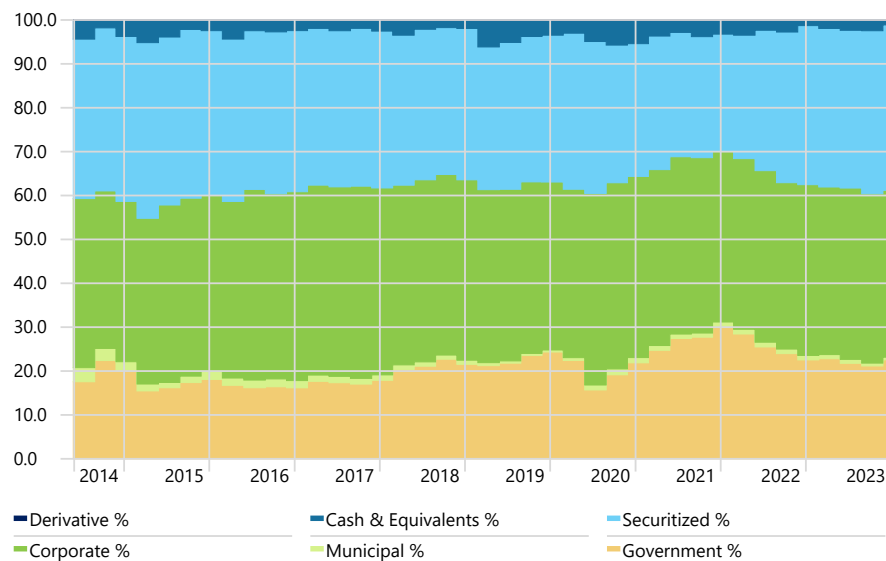
Average Eff Duration Survey	6.2
Average Eff Maturity Survey	8.3
Average Coupon	3.5
Average Price	91.9

## Credit Quality Breakdown

Portfolio Date: 12/31/2023

	Fund	Index
AAA %	61.1	
AA %	3.40	
A %	12.90	
BBB %	22.50	
BB %	0.10	
B %	0.00	
Below B %	0.00	
Not Rated %	0.00	
Average YTM Survey		

## Historical Sector Allocations (10 Years)



## Top Holdings

	Detail Holding Type	Portfolio Weighting %
United States Treasury Notes 1.13%	BOND - GOV'T/TREASURY	4.25
United States Treasury Bonds 2.5%	BOND - GOV'T/TREASURY	2.83
United States Treasury Bonds 2.88%	BOND - GOV'T/TREASURY	2.03
United States Treasury Notes 2.38%	BOND - GOV'T/TREASURY	1.99
United States Treasury Bonds 1.38%	BOND - GOV'T/TREASURY	1.60
United States Treasury Notes 4.13%	BOND - GOV'T/TREASURY	1.55
United States Treasury Bonds 2.88%	BOND - GOV'T/TREASURY	1.53
United States Treasury Bonds 2.38%	BOND - GOV'T/TREASURY	1.51
First American Government Obligs U	MUTUAL FUND - MONEY MARKET	1.05
United States Treasury Notes 1.13%	BOND - GOV'T/TREASURY	0.92



# Baird Aggregate Bond Inst

As of 3/31/2024

BAGIX	Bloomberg US Agg Bond TR USD	US Fund Intermediate Core Bond
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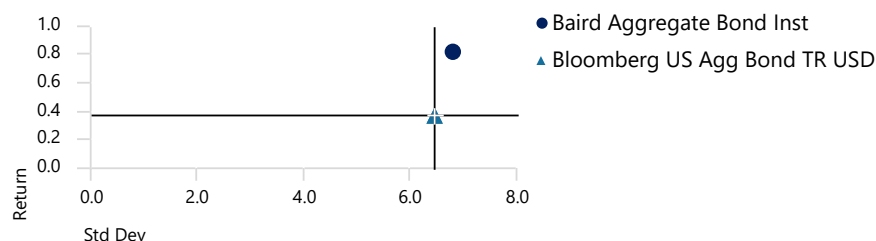
## Risk & Return Characteristics (5 Years)

Time Period: 4/1/2019 to 3/31/2024

	Fund	Index
R2	96.8	100.0
Alpha	0.5	0.0
Beta	1.0	1.0
Std Dev	6.8	6.5
Up Capture Ratio	108.6	100.0
Down Capture Ratio	99.8	100.0
Sharpe Ratio (geo)	-0.2	-0.3
Information Ratio (geo)	0.4	
Tracking Error	1.2	0.0
Correlation	1.0	1.0

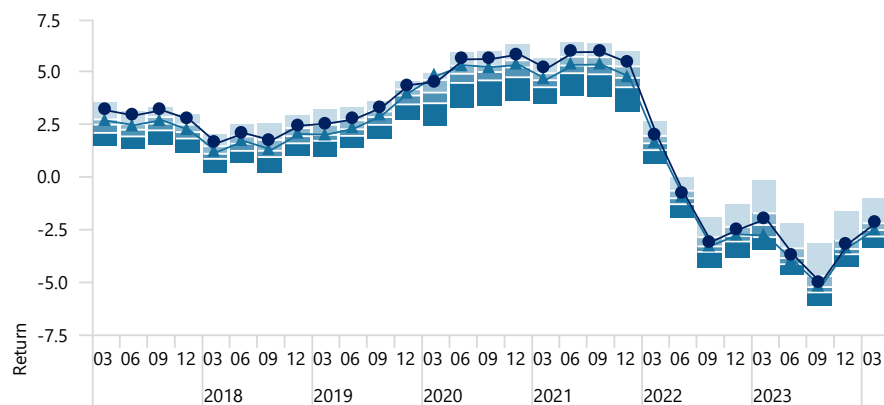
## Risk & Return Illustration (5 Years)

Time Period: 4/1/2019 to 3/31/2024



## Rolling Returns (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile

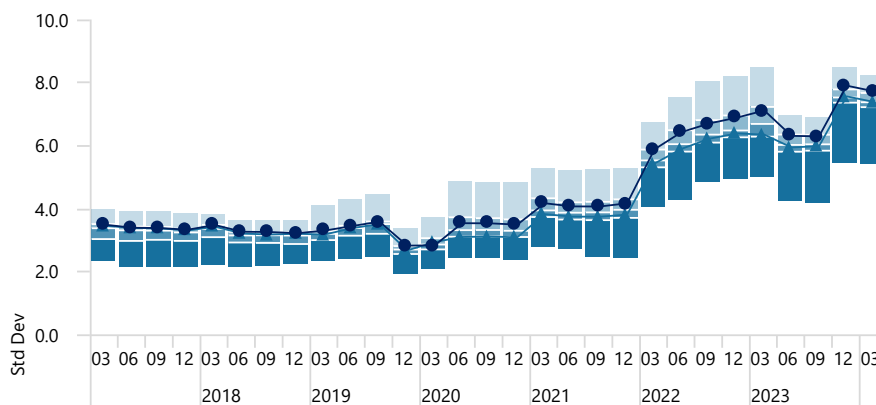


—Baird Aggregate Bond Inst

—Bloomberg US Agg Bond TR USD

## Rolling Risk (3 Years)

Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile



—Baird Aggregate Bond Inst

—Bloomberg US Agg Bond TR USD

## Calendar Year Returns

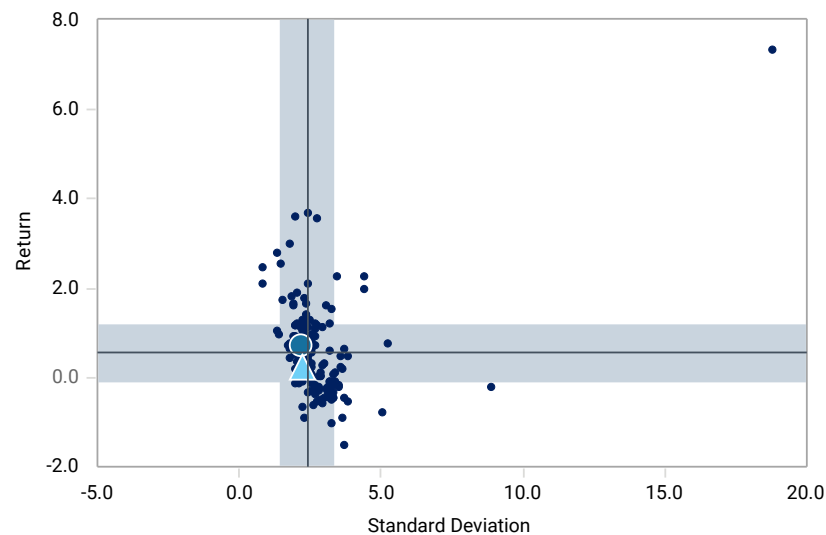
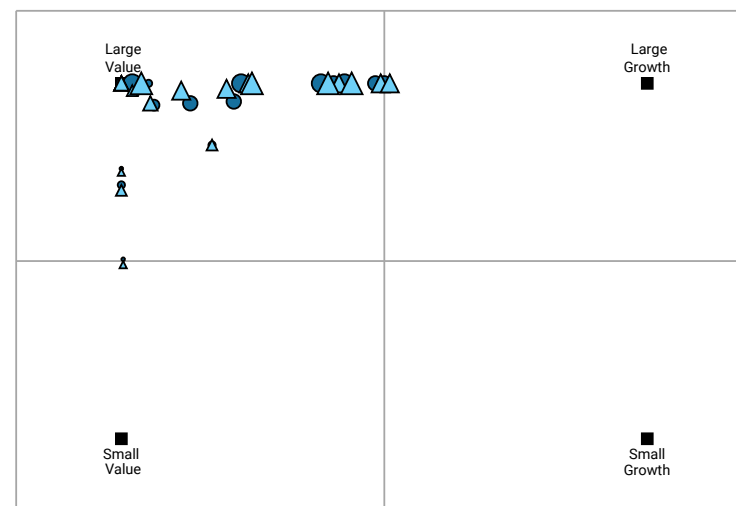
	2014	Rank	2015	Rank	2016	Rank	2017	Rank	2018	Rank	2019	Rank	2020	Rank	2021	Rank	2022	Rank	2023	Rank
Baird Aggregate Bond Inst	6.9	8	0.6	22	3.5	37	4.2	31	-0.3	41	9.5	15	8.6	22	-1.5	40	-13.4	49	6.4	20
Bloomberg US Agg Bond TR USD	6.0		0.5		2.6		3.5		0.0		8.7		7.5		-1.5		-13.0		5.5	





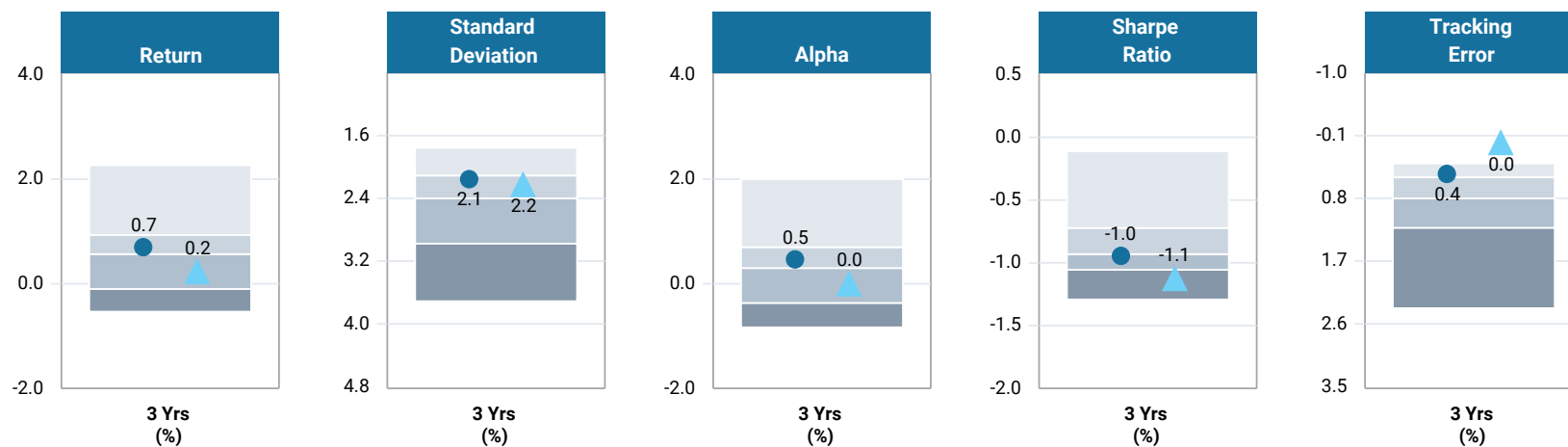
University Of Maine System

March 31, 2024

**INCOME RESEARCH + MANAGEMENT****3 Years Return vs. Standard Deviation****Rolling 1 Year Style Map**

● Income Research + Management ▲ Blmbg. 1-3 Year Gov/Credit index

● Income Research + Management ▲ Blmbg. 1-3 Year Gov/Credit index

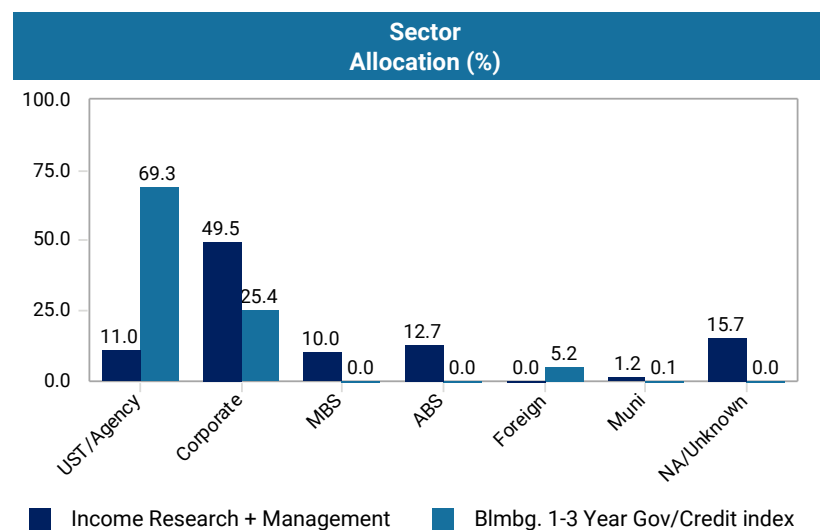
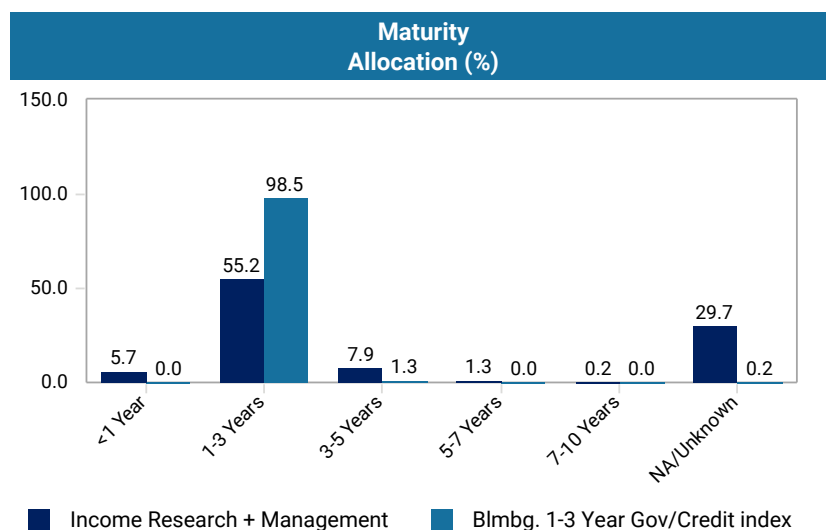
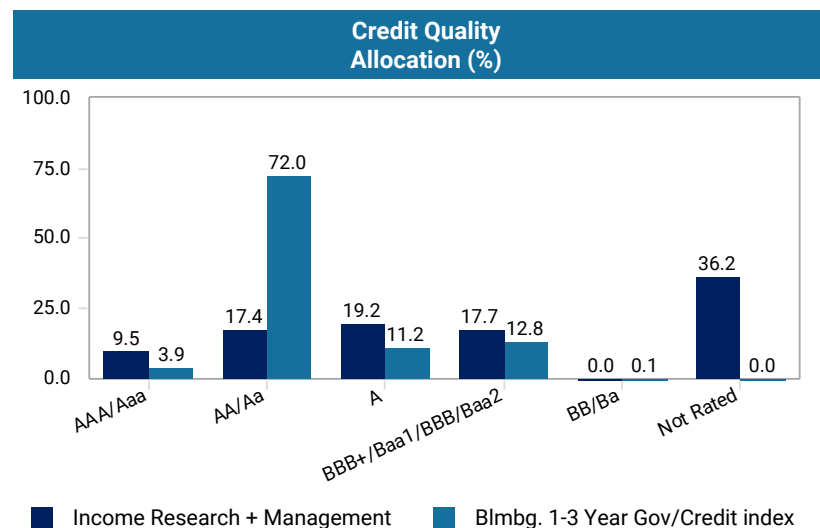


University Of Maine System

March 31, 2024

# INCOME RESEARCH + MANAGEMENT

Portfolio Characteristics		
	Portfolio	Benchmark
Holdings Count	214	2,026
Yield To Maturity (%)	5.2	4.8
Average Duration	2.0	1.9
Effective Duration	2.0	1.9
Modified Duration	2.0	1.9
Avg. Quality	A	AA
Avg. Maturity	2.2	2.0

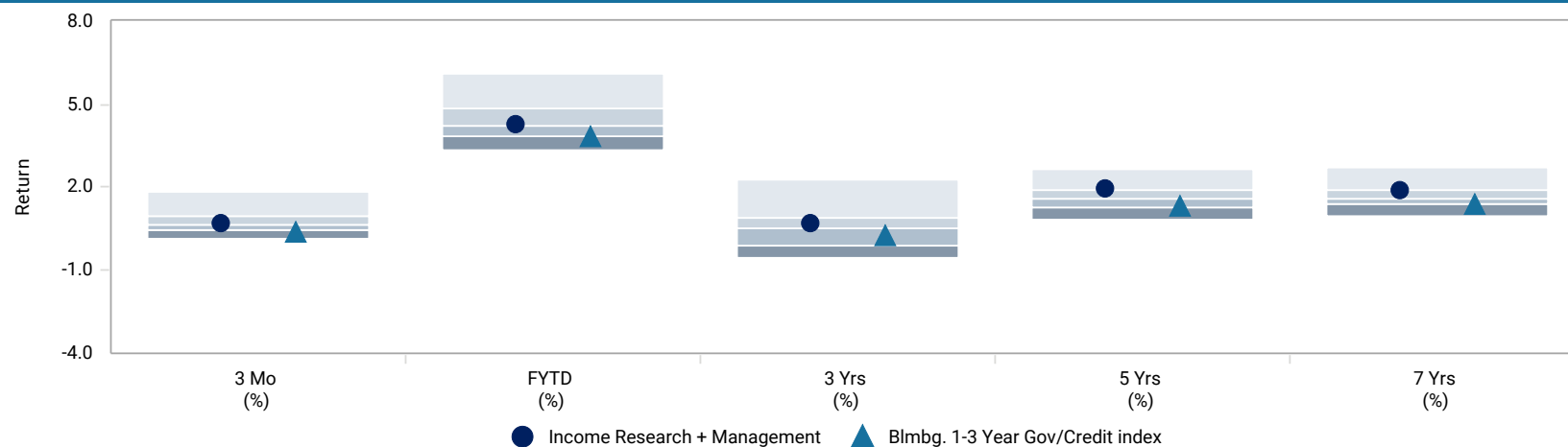


University Of Maine System

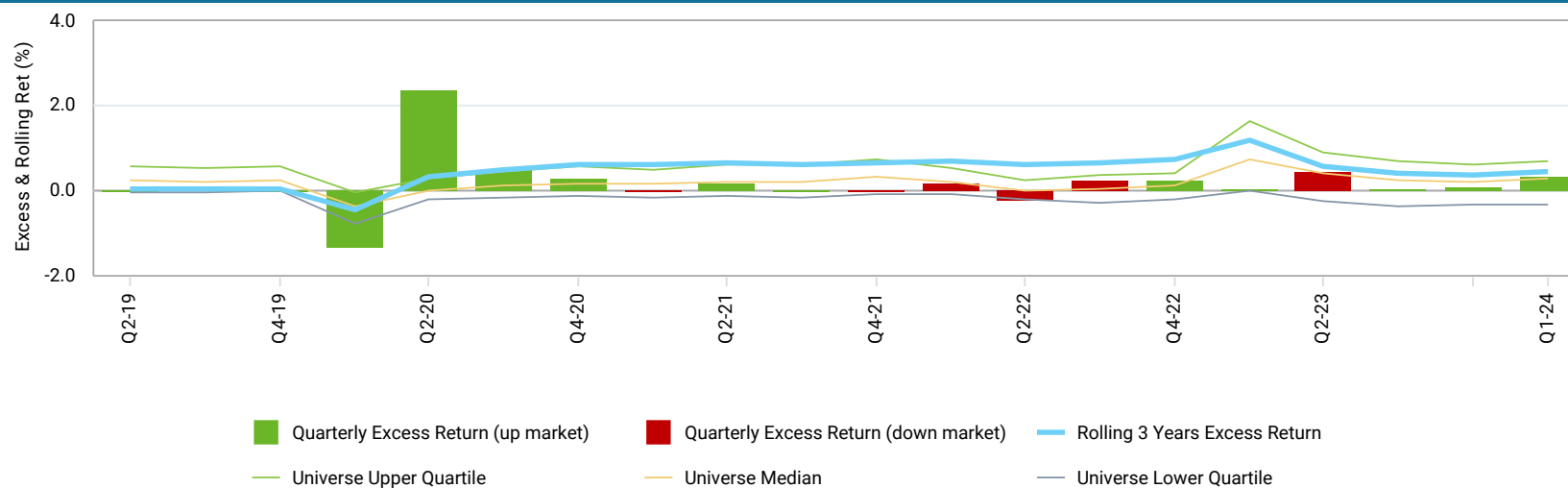
March 31, 2024

**INCOME RESEARCH + MANAGEMENT**

eV US Short Duration Fixed Inc (net of fees)



Quarter Excess Return with a Rolling 3 Years Excess Return over 5 Years Ending March 31, 2024



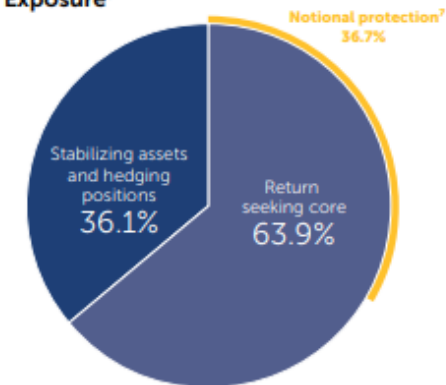
# NEWTON GLOBAL REAL RETURN

## Positioning and Allowable Investments Conceptual Representation

- 1 Emphasis on traditional asset classes
- 2 A return-seeking core with particular security characteristics
- 3 Risk positions aiming to dampen volatility and preserve capital
- 4 Portfolio combines the characteristics of both securities and asset classes

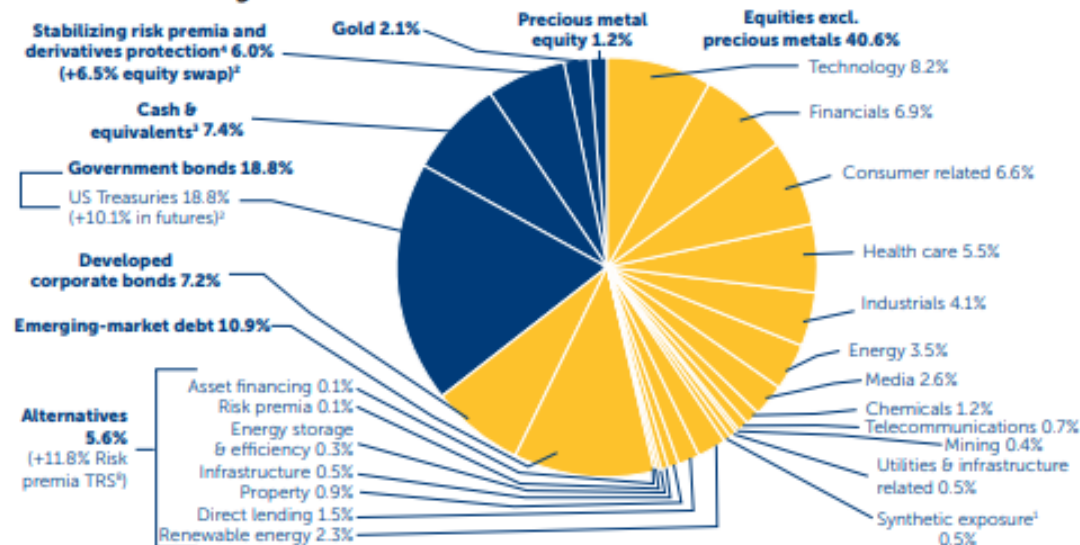


## Positioning Adjusted for Derivative Exposure<sup>5</sup>



Net equity exposure <sup>6</sup>	57.3%
Notional protection <sup>7</sup>	36.7%
Government bond exposure, incl. derivatives	29.0%
Total portfolio level duration	1.3 yrs
Developed market government bond duration	0.4 yrs

## Current Positioning



## Top 10 Holdings (%)

Holding	Portfolio Weight
Government Of The United States Of America Frn 31-Jan-2025	14.32
eMini S&P 500 (CME) Mar 24	5.15
Government Of The United States Of America 1.25% 15-Apr-2028	4.53
Euro STOXX 50 (EUR) Mar 24	4.07
Government Of Mexico 8.0% 07-Nov-2047	3.29
Government Of Brazil 0.0% 01-Jul-2027	3.06
Microsoft Corporation	2.33
Shell Plc	2.16
Government Of The United States Of America 0.0% 31-Oct-2024	1.70
NVIDIA Corporation	1.69
<b>Total</b>	<b>42.30</b>



Source: Newton  
As of 12.31.2023

# LIGHTHOUSE GLOBAL LONG/SHORT

CLASS A (NEW ISSUE ELIGIBLE)	
<b>\$15.6 billion</b>	FIRM AUM <sup>1</sup>
<b>\$7.7 billion</b>	LONG/SHORT EQUITY AUM <sup>1</sup>
<b>\$935 million</b>	FUND AUM <sup>1</sup>
STRATEGY Long/short equity	
FUND INCEPTION July 2004	
MANAGED ACCOUNT % 100%	
CURRENCY USD	
MANAGEMENT FEE 1.5% per annum	
PERFORMANCE FEE None	
WITHDRAWAL TERMS Two options: (1) Quarterly redemptions with at least 60 days' written notice OR (2) Monthly redemptions with at least 90 days' written notice	
DOMICILE Cayman Islands	
AUDITOR PricewaterhouseCoopers	
ADMINISTRATOR SS&C Fund Services (Cayman) Ltd	
BLOOMBERG CODE LHGLSLD KY	
INVESTMENT ADVISER Lighthouse Partners 3801 PGA Boulevard Suite 500 Palm Beach Gardens, FL 33410 T +1 561 741 0820 F +1 561 748 9048 lpartners@lighthousepartners.com www.lighthousepartners.com	
	

## Performance Summary<sup>1,2</sup>

		March	One Year	Three Year	Five Year	Ten Year	ITD
Lighthouse Global Long/Short Fund, Ltd (net)	Net Return*	2.40%	7.45%	3.02%	7.66%	5.61%	6.09%
	Volatility	-	2.64%	3.96%	6.40%	5.76%	5.83%
HFRX Equity Hedge (Total) Index	Net Return	1.35%	9.66%	5.34%	5.57%	3.09%	1.74%
	Volatility	-	3.62%	4.52%	7.12%	6.45%	7.26%
MSCI AC World Index	Net Return	3.19%	23.80%	7.46%	11.45%	9.22%	8.45%
	Volatility	-	14.06%	16.62%	17.74%	14.74%	15.76%

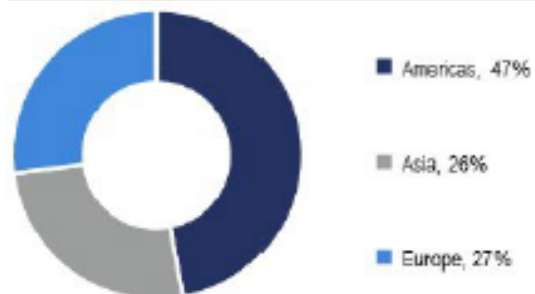
## Performance Characteristics<sup>1,2,3</sup>

	Three Year	Five Year	ITD
Sharpe ratio	0.13	0.86	0.78
Positive months	67%	70%	69%
Maximum drawdown	-3.6%	-5.4%	-16.0%
Beta to HFRX Equity Hedge Index	0.15	0.49	0.57
Beta to MSCI AC World Index	-0.02	0.11	0.21

## Sector Breakdown<sup>4</sup>

	Gross	Net
Communication Services	12.1%	2.5%
Consumer Discretionary	41.0%	-3.2%
Consumer Staples	22.0%	-0.7%
Energy	9.3%	1.8%
Financials	38.4%	4.3%
Healthcare	39.1%	6.8%
Industrials	43.5%	2.1%
Information Technology	34.6%	1.5%
Materials	24.0%	6.5%
Real Estate	13.1%	0.0%
Utilities	5.2%	0.2%
Other	5.6%	-4.0%
<b>TOTAL</b>	<b>287.0%</b>	<b>17.8%</b>

## Regional Exposure<sup>4</sup>



Source: Lighthouse  
As of 03.31.2024



# LIGHTHOUSE GLOBAL LONG/SHORT

## General Fund Information

<b>Fund Name</b>	Lighthouse Global Long/Short Fund		
<b>Management Company</b>	Lighthouse Investment Partners, LLC		
<b>Location</b>	Palm Beach, FL		
<b>Firm AUM</b>	\$14.7 billion	<b>Strategy</b>	Fund of Fund
<b>Fund AUM</b>	\$1.0 billion	<b>Sub-Strategy</b>	Long/Short Equity
<b>Portfolio Managers</b>	Ethan Baron	<b>Direct or FOF</b>	FOF

## Terms

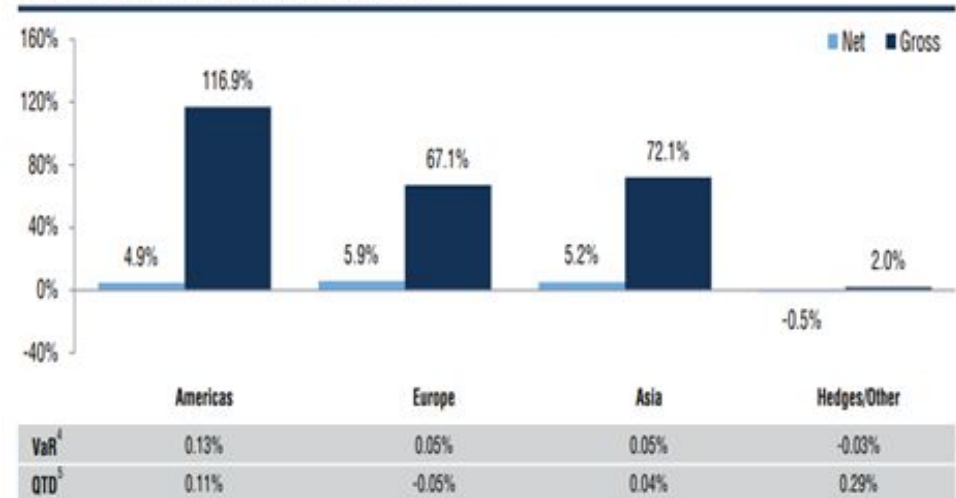
<b>Share Class</b>	--
<b>Minimum Investment</b>	\$1 million
<b>Management Fee</b>	1.15%
<b>Incentive Fee</b>	--
<b>Hurdle Rate</b>	None
<b>High Water Mark</b>	Yes
<b>Subscription</b>	Monthly
<b>Redemption</b>	Quarterly (60 days notice) or Monthly (90 days notice)
<b>Lock-Up</b>	None

## Investment Strategy

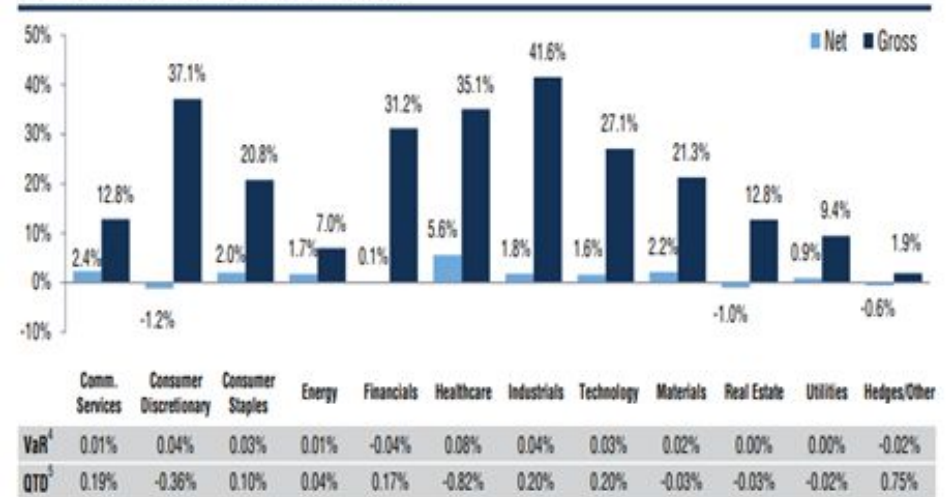
Lighthouse's Global Long/Short Fund is a global portfolio of 20-30 separately managed accounts with industry sector and country specialist managers. The geographical allocations are similar to the MSCI World Index (30%-75% Americas, 10%-35% Europe, 5%-35% Asia).

The Fund targets returns greater than 10% over market cycles with 6%-8% volatility and an equity beta of 0.2-0.4 to the MSCI World Index.

## REGIONAL EXPOSURES AND NET CONTRIBUTION<sup>1,2,8</sup>



## SECTOR EXPOSURE AND NET CONTRIBUTION<sup>1,2,8</sup>



# LANDMARK EQUITY PARTNERS XV

General Fund Information			
Fund Name	Landmark Equity Partners XV		
General Partner	Landmark Partners		
Main Address	10 Mill Pond Lane, Simsbury, CT 06070		
Target Fund Size	\$2.5B	Expected Final Close	Up to 15 months after Initial Closing
Capital Raised	\$3.25B	Closes to Date	Yes
Investment Period	3-4 years	Minimum Investment	\$10M (negotiable)
Term of Entity	10 years from initial close, subject to 2 one-year extensions at GP's discretion	Investment Structure	Delaware L.P.
Key Persons	There are 6 members of the Key Person clause	Fund Auditor	PWC
Size of Fund Team	78 professionals (includes investment and administrative)	Number of Past Funds	28 (across all strategies)
GP Fees, Promote and Commitment			
Preferred Return	<ul style="list-style-type: none"> <li>8% per annum</li> </ul>		
GP Fees	Years 1 - 4: 1.00% of LP's capital commitments Years 5 - 8: 1.00% of the aggregate amount of LP's capital contributions plus amounts subject to call for Fund obligations Years 8 – remaining life of fund: 1.00% of LP's investment percentage of the reported value of Fund XV's portfolio investments		
GP Commitment	<ul style="list-style-type: none"> <li>1% of aggregate commitments</li> </ul>		
Carried Interest	<ul style="list-style-type: none"> <li>10% on secondary investments only</li> </ul>		

Fund Strategy			
Investment Strategy	<ul style="list-style-type: none"><li>Landmark XV's primary objective is to acquire interests in private equity investments through secondary transactions.</li><li>Landmark will build a diversified portfolio of private equity partnership interests diversified by strategy, geography and vintage year.</li><li>Landmark strives to execute transactions on a negotiated basis and acquire portfolios of interests in private equity funds and direct investments through secondary market transactions that are unique, may require structuring, and where the opportunity for value creation exists.</li></ul>		
Target Net Returns	Landmark aims to return a 1.6x-1.8x net multiple and a 15%-20% net IRR	Direct or fund of funds	Fund of funds (secondary interests)
Investment Style	Secondary	Target Fund Leverage	May use up to 10% leverage on aggregate commitment amount
Target Asset Types	Secondary investments in limited partnership interests	Target Geographies	Global (primary focus North America and Europe)
		Target Deal Size	No stated minimums or maximums

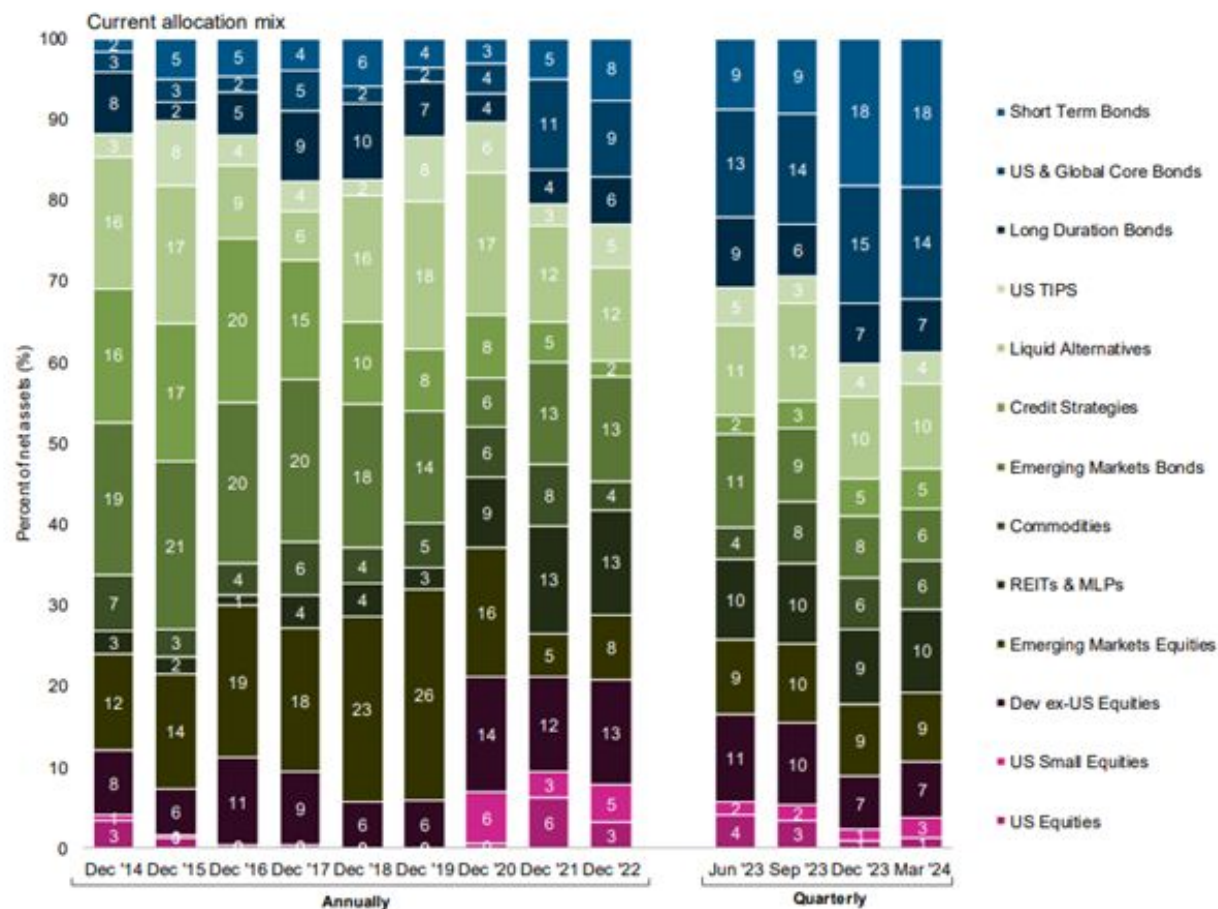
Fund Sourcing and Asset Management Capabilities	
Sourcing Capabilities	<ul style="list-style-type: none"><li>Reactive deal flow is attributed to inbound leads from limited partners, general partners and intermediaries - generally in the form of an auction.</li><li>Firm will only consider participating in a competitive process if it believes it has an edge on its competitors with regard to familiarity of a portfolio and/or believes the assets are mispriced.</li><li>Utilizes its proprietary database, quantitative research, and portfolio management tools to proactively engage with potential sellers with the ultimate goal of sourcing investments on an exclusive basis.</li><li>Believes that deal exclusivity hinges on talking to LPs who do not yet realize that they are potential sellers. Two-thirds of their non-auctioned deal flow is due to their research tool projects undertaken with potential sellers.</li></ul>
Value Add	<ul style="list-style-type: none"><li>Focus on sourcing exclusive transactions should on average produce pricing that is lower than the prices available in the auction channel.</li><li>Strives to arrange preferred structures to protect downside while preserving commensurate upside participation.</li><li>Proactive sourcing model allows the investment team more time and better access to data to conduct due diligence.</li></ul>





# PIMCO ALL ASSET

## Historical Asset Allocations



Please note each column may not equal 100% due to rounding.



Source: PIMCO  
As of 03.31.24

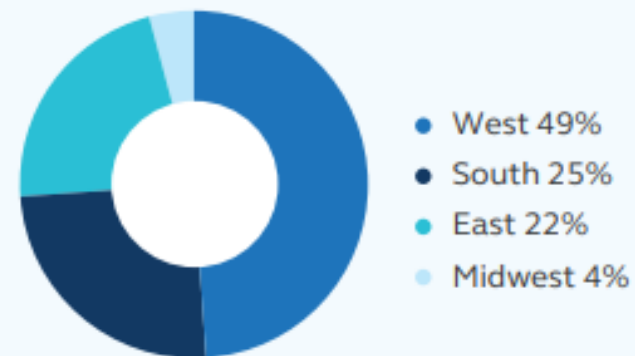
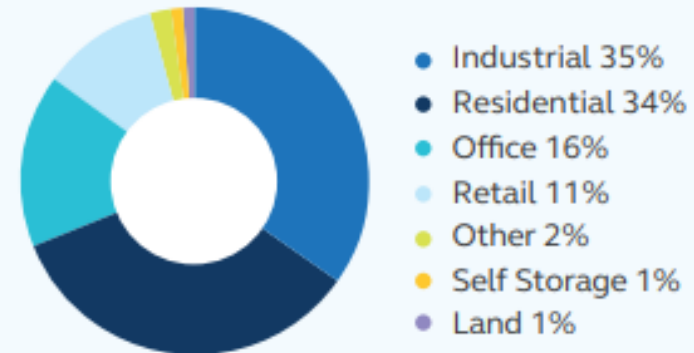


# PRINCIPAL U.S. PROPERTY

## 1Q24 Key Statistics

<b>Inception date</b>	January 1982
<b>Gross asset value</b>	\$11.89 billion
<b>Net asset value</b>	\$8.44 billion
<b>Number of investments</b>	150
<b>Number of markets</b>	48
<b>Portfolio occupancy<sup>2</sup></b>	93.1%
<b>Cash to gross assets</b>	2.2%
<b>Leverage ratio<sup>3</sup></b>	26.0%

## Diversification



Source: Principal  
Data as of 03.31.2024

# APPENDIX



# GLOSSARY OF TERMS

**Alpha** - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

**Alpha Jensen** - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

**Annualized Excess Return over Benchmark** - Annualized fund return minus the annualized benchmark return for the calculated return.

**Annualized Return** - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

**Beta** - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

**Information Ratio** - A measure of the risk adjusted return of a financial security, asset, or portfolio.

*Formula:*

*(Annualized Return of Portfolio - Annualized Return of Benchmark) / Annualized Standard Deviation (Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.*

**R-Squared** - Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

**Sharpe Ratio** - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

**Sortino Ratio** - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

*Formula:*

*Calculation Average (X-Y) / Downside Deviation (X-Y) \* 2  
Where X = Return Series X Y = Return Series Y which is the risk free return (91 day T-bills)*

**Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

*Formula:*

*(Annualized Return of Portfolio - Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)*

**Tracking Error** - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

*Formula:*

*Tracking Error = Standard Deviation (X-Y) \*  $\sqrt{(\# \text{ of periods per year})}$   
Where X = periods portfolio return and Y = the period's benchmark return  
For monthly returns, the periods per year = 12  
For quarterly returns, the periods per year = 4*

**Treynor Ratio** - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

*Formula:*

*(Portfolio Average Return - Average Return of Risk-Free Rate) / Portfolio Beta*

**Up/Down Capture Ratio** - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

*UpsideCapture = TotalReturn(FundReturns) / TotalReturns(BMReturn) when Period Benchmark Return is > = 0*

*DownsideCapture = TotalReturn(FundReturns) / TotalReturns(BMReturn) when Benchmark < 0*

*Data Source: InvestorForce*



# NEPC DISCLOSURES

Past performance is no guarantee of future results.

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

Some of the information presented herein has been obtained from external sources NEPC believes to be reliable. While NEPC has exercised reasonable professional care in preparing this content, we cannot guarantee the accuracy of all source information contained within.

The opinions presented herein represent the good faith views of NEPC as of the publication date and are subject to change at any time.

This presentation contains summary information regarding the investment management approaches described herein but is not a complete description of the investment objectives, portfolio management and research that supports these approaches. This analysis does not constitute a recommendation to implement any of the aforementioned approaches.



University of Maine System  
Board of Trustees

## **AGENDA ITEM SUMMARY**

**NAME OF ITEM:** Global Equity Manager Recommendation

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:**

**BOARD ACTION:** X

**BOARD POLICY:**

Section 709 - Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System's (UMS) investments.

**BACKGROUND:**

Kelly Regan and Matt Landen, with NEPC, will provide an update on the UMS Managed Investment Pool's equity managers and will recommend manager and asset allocation changes in the Managed Investment Pool. Two scenarios will be presented for the Investment Committee's review with the goal of selecting one option.

**TEXT OF PROPOSED RESOLUTION:**

Option 1: That the Board of Trustees, acting through the Investment Committee, approves the following investment manager and asset allocation change in the MIP:

- Terminate Aberdeen Emerging Markets and replace with ABS Emerging Markets Strategic for approximately 4% of total Portfolio assets.
- Hire Lindsell Train Global Equity for approximately 10% of the total Portfolio assets with a corresponding reduction in the following managers.
  - SSgA Fossil Fuel Free S&P 500
  - Westfield
  - Dimensional Fund Advisors (DFA)
  - Silchester
  - JO Hambro
- Approve the new asset allocation reflective of the above changes as detailed on page 22 of the NEPC Global Equity Manager presentation.

Option 2: That the Board of Trustees, acting through the Investment Committee, approves the following investment manager and asset allocation change:

- Hire Lindsell Train Global Equity and Impax Leaders for approximately 10% each of the total Portfolio assets.

- Terminate DFA, JO Hambro, Axiom and Aberdeen.
- Approve the new asset allocation reflective of the above changes as detailed on page 10 of the presentation.

Attachment

[2024 UMS Global Equity Review – Manager Assessment v2](#)





# GLOBAL EQUITY MANAGER REVIEW – MANAGED INVESTMENT POOL

UNIVERSITY OF MAINE SYSTEM

MAY 16, 2024

Kelly Regan, Partner  
Matt Landen, CFA, Consultant  
Lauren Carlson, Consulting Analyst



PROPRIETARY & CONFIDENTIAL

# EXECUTIVE SUMMARY

- **The goal of this presentation assesses ways to:**

1. Reduce the fossil fuel exposure in the Managed Investment Pool's (MIP) equity portfolio
2. Improve the Emerging Market Equity manager roster in the MIP

- 1. NEPC assessed ways to reduce fossil fuel exposure through the addition of NEPC's preferred sustainable global equity strategies**

- Global Equity managers are a preferred approach at NEPC given the flexible nature to invest across geographies, sectors and market caps with the potential to add alpha
- NEPC assessed adding one global equity strategy to complement Walter Scott (Option 1)
- NEPC further assessed reducing current managers with high fossil fuel exposure and replacing with 2 global equity managers (Option 2)

- 2. Emerging Market Equity – Recommend replacing Aberdeen**

- Team turnover over the last 3 years
- Recent news of the retirement of the Deputy Head of Emerging Markets
- Lackluster performance over all trailing time periods over the last 10 years (ending March 31, 2024)

- **This presentation will begin with Option 2 as NEPC's preferred portfolio recommendation**

- If the Investment Committee does not move forward with Option 2, then Option 1 and the Emerging Market Equity Manager Replacement can be reviewed





## OPTION 2 – REDUCE EQUITY FOSSIL FUEL EXPOSURE



# GLOBAL EQUITY MANAGER OPTIONS

- **The MIP currently has four equity managers with a fossil fuel allocation, with an estimated \$2.1m exposure and 0.5% of total Portfolio assets**
  - DFA (Small Cap Value)
  - JO Hambro (International Equity)
  - Axiom (International Small Cap Equity)
  - Aberdeen (Emerging Market Equity)
- **NEPC's current opportunities and positioning view is to add to active global equity strategies**
  - NEPC assessed reducing/liquidating the above managers that hold fossil fuels to improve the MIP's overall exposure to fossil fuels per the Divestment Policy
  - Sustainable and non-fossil fuel global equity strategies were considered
- **NEPC's list of preferred global equity sustainable strategies include:**
  - Schroders (excluded from the analysis given the short track record)
  - Rockefeller
  - Impax
  - Lindsell Train (not sustainable, but investment philosophy states that the energy sector is not typically held)
- **NEPC conducted a two-part review:**
  - Option 1: Analyzed adding one of the above managers through the reduction of current domestic, international and emerging market managers that currently have a fossil fuel allocation
  - Option 2: Evaluated adding two of the above managers through the elimination of domestic, international and emerging market managers that currently hold fossil fuels
- **This section of the presentation will focus on Option 2 as that is NEPC's preferred portfolio recommendation**



# GLOBAL EQUITY MANAGER OVERVIEW

3.1

Investment Strategy	NEPC Investment Thesis	Investment Philosophy	Portfolio Positioning	Performance Expectations	Annual Fees/Vehicle
<b>Lindsell Train Global Equity</b>	The strategy's investment edge is doing deep research to find good sustainable assets which are usually underappreciated by the market over the long term. Their long time horizon (they aim to identify companies that have been around for sometime over a century, and will be around for the next) and conviction which leads to concentration in number of investments in the portfolios drive their differentiated views.	This is a concentrated, value, long term approach seeking companies with intellectual property and strong competitive advantages. The team concentrates their efforts on companies listed in developed markets who are durable and cash generative franchises.	This all cap strategy is managed to the MSCI World but will take sizeable bets in regions or sectors as their stock ideas dictate. No EM exposure and bias to Japanese names.	The team does not have any specific gross alpha expectation. The investment objective is to achieve capital and income growth over the long term. The product will tend to outperform during slow, no or declining periods; markets where value outperforms.	Fees: 53 bps*  Vehicles: 3c7 (CF)
<b>Impax Leaders</b>	Impax's investment edge is its deep roots and experience in designing and investing in thematic impact strategies. The diverse backgrounds of the team allow for multi-dimensional perspective when evaluating companies from both a financial and ESG and impact standpoint. The team tries to research and understand policy and legislative drivers related to the transition to a more sustainable economy. Investment is focused on a small number of deeply researched global businesses across energy efficiency, renewable energy, water, waste/resource recovery, food and agriculture related markets.	Business exposure to environmental markets drives Impax Leaders investment focus, as the team believes that businesses that are positively contributing to the transition to a sustainably economy will be more durable over time. Leaders is a global all-cap growth product.	The portfolio will hold between 40 and 60 securities. The maximum individual holding size is 10%, and the maximum cash level is 10%. Holdings of more than 5% in a single company are limited to 40%, and there is a 20% soft limit on emerging markets exposure. The portfolio is fossil fuel free.	The strategy targets 250 bps of gross outperformance over the MSCI ACWI benchmark. The strategy is expected to perform in line with the market during sharp upward market movements, based on its overweight to industrials and underweight to financials and energy. It is expected to slightly outperform in market in other market scenarios.	Fees: 91 bps / 70 bps  Vehicles: MF / SMA
<b>Rockefeller Climate Solutions</b>	The Climate Solutions value add is the experienced team coupled with portfolio concentration and a proprietary climate universe sourced from a network of strategic partnerships. Scientists and industry experts at The Ocean Foundation have helped source ideas for the portfolio, and Rockefeller values their scientific expertise on product and service viability. More recently, they added the World Resource Institute (WRI) as an additional partner to provide insights on effective climate change technology & solutions that the Climate Solutions team can leverage.	All-cap, core/growth strategy, concentrated, and invests across climate solutions themes.	40-70 holdings with underweights to financials and energy and overweights to utilities and industrials. The portfolio typically overweights small/mid cap. Positions are limited to a max of 5%. A max 55% sector weight is in place and the portfolio is roughly +/- 15% of the index geographic weight.	The strategy targets 300-400 bps of gross excess return over the MSCI ACWI Index over a market cycle with a tracking error target of 4-5%. Given the portfolio has certain structural over/underweights and is growth oriented, performance deviations can be expected.	Fees: 99 bps / 80 bps  Vehicles: MF / SMA



\*Stated management fees are 60 bps. NEPC-advised clients benefit from a discounted rate based on aggregate NEPC-advised AUM.

# OPTION 2 – RISK/RETURN STATISTICS

3.1

	Current Target Allocation	Option 2 - Lindsell / Impax	Option 2 - Lindsell / Rockefeller	Option 2 - Impax / Rockefeller
SSgA Fossil Fuel Free S&P 500	25%	14.5%	14.5%	14.5%
Westfield Capital	2.5%	3%	3%	3%
DFA	2.5%			
Walter Scott Global Equity	10%	10%	10%	10%
Lindsell Train Global Equity		10%	10%	
Impax Leaders		10%		10%
Rockefeller Climate Solutions			10%	10%
Silchester International Value Equity	5%	7.25%	7.25%	7.25%
JO Hambro	5%			
Axiom International Small Cap Equity	2%			
Aberdeen Emerging Markets	5%			
Mondrian EM Small Cap	2%	4.25%	4.25%	4.25%
<b>Risk / Return Metrics</b>				
Annualized Return	9.65%	10.07%	10.02%	9.75%
Annualized Std Dev	15.06%	14.69%	14.48%	15.31%
Annualized Sharpe (Rf=0%)	0.64	0.69	0.69	0.64
Alpha	0.10%	0.15%	0.16%	0.10%
Beta	0.97	0.94	0.93	0.98
Annualized Alpha	1.21%	1.83%	1.88%	1.26%
Tracking Error	1.45%	2.39%	2.43%	2.32%
Information Ratio	0.73	0.62	0.59	0.50
Upside Capture	99.90%	100.07%	98.37%	101.16%
Downside Capture	94.18%	92.44%	90.23%	95.35%

# OPTION 2 ALPHA & TRACKING ERROR

3.1



The combination of Lindsell Train with either Rockefeller or Impax provides potential enhancement to alpha

Lindsell Train is a high alpha/tracking error manager that would be complemented by the lower alpha/tracking error strategies of Rockefeller or Impax

Managers with fossil fuel holdings slotted to be replaced are also some managers with less positive information ratios (e.g., JO Hambro, Aberdeen)

# ALPHA CORRELATION

	Aberdeen	Axiom	DFA	Impax Leaders	JO Hambro	Lindsell Train	Mondrian	Rockefeller	Silchester	SSgA	Walter Scott	Westfield
Aberdeen	1.00	0.22	-0.14	0.11	0.16	0.12	0.26	0.18	-0.22	-0.07	0.14	-0.06
Axiom	0.22	1.00	-0.39	0.27	0.56	0.22	0.19	0.31	-0.52	0.04	0.29	-0.12
DFA	-0.14	-0.39	1.00	-0.06	-0.32	-0.44	-0.33	-0.19	0.32	-0.19	-0.46	0.03
Impax Leaders	0.11	0.27	-0.06	1.00	0.30	-0.03	0.04	0.65	-0.39	-0.14	0.44	0.11
JO Hambro	0.16	0.56	-0.32	0.30	1.00	0.14	0.17	0.31	-0.31	0.19	0.38	-0.18
Lindsell Train	0.12	0.22	-0.44	-0.03	0.14	1.00	0.26	0.09	-0.05	0.38	0.45	-0.14
Mondrian	0.26	0.19	-0.33	0.04	0.17	0.26	1.00	0.19	-0.09	0.37	0.24	-0.05
Rockefeller	0.18	0.31	-0.19	0.65	0.31	0.09	0.19	1.00	-0.34	0.01	0.39	-0.24
Silchester	-0.22	-0.52	0.32	-0.39	-0.31	-0.05	-0.09	-0.34	1.00	0.20	-0.20	-0.01
SSgA	-0.07	0.04	-0.19	-0.14	0.19	0.38	0.37	0.01	0.20	1.00	0.25	-0.13
Walter Scott	0.14	0.29	-0.46	0.44	0.38	0.45	0.24	0.39	-0.20	0.25	1.00	-0.03
Westfield	-0.06	-0.12	0.03	0.11	-0.18	-0.14	-0.05	-0.24	-0.01	-0.13	-0.03	1.00

Overall, the MIP's equity managers exhibit low to negative alpha correlation. JO Hambro and Axiom has relatively high alpha correlations and both are being proposed for termination in this option.

Lindsell Train and Impax both provide low to negative alpha correlations to current managers – maintaining diversification. While not recommended, combining Rockefeller and Impax exhibit high alpha correlations.

# PERFORMANCE COMPARISON

Trailing Year Performance (Net of Fees)							
Manager	Qtr	1 Year	3 Years	5 Years	7 Years	Annual Fee	Vehicle
Rockefeller	10.9	16.0	-0.8	11.3	10.1	99 bps / 80 bps	MF / SMA
Impax	14.1	16.9	3.5	12.4	10.0	91 bps / 70 bps	MF / SMA
Lindsell Train	9.2	15.5	-0.3	7.4	11.6	53 bps	3c7 (CF)
MSCI ACWI IMI	11.3	22.2	6.0	12.0	10.3		

Calendar Year (Net of Fees)							
Manager	2023	2022	2021	2020	2019	2018	2017
Rockefeller	16.0	-20.0	5.3	34.9	29.4	-11.0	29.2
Impax	16.9	-22.4	22.2	26.0	28.2	-14.2	26.8
Lindsell Train	15.5	-15.4	1.3	16.0	24.3	7.7	40.0
MSCI ACWI IMI	22.2	-18.0	18.7	16.8	27.0	-9.6	24.6

As of December 31, 2023, net of fees, manager performance is from eVestment Alliance

\*Stated management fees are 60 bps. NEPC-advised clients benefit from a discounted rate based on aggregate NEPC-advised AUM.



# RECOMMENDATION

	Current Target Allocation	Option 2 Portfolios
US Large-Cap Equity	25.0%	14.5%
US Small/Mid-Cap Equity	5.0%	3.0%
Non-US Developed Equity	10.0%	7.25%
Non-US Developed Small-Cap Equity	2.0%	0.0%
Emerging Market Equity	5.0%	0.0%
Emerging Market Small-Cap Equity	2.0%	4.25%
Global Equity	10.0%	30.0%
<b>Total Equity</b>	<b>59.0%</b>	<b>59.0%</b>
<b>High-Quality</b>	<b>11.5%</b>	<b>11.5%</b>
US TIPS	5.0%	5.0%
US Aggregate Bond	6.5%	6.5%
<b>Safe-Haven</b>	<b>5.0%</b>	<b>5.0%</b>
US Treasury Bond	5.0%	5.0%
<b>Return-Seeking</b>	<b>10.0%</b>	<b>10.0%</b>
US Leveraged Loan	5.0%	5.0%
Absolute Return Fixed Income	5.0%	5.0%
<b>Total Fixed Income</b>	<b>26.5%</b>	<b>26.5%</b>
Hedge Fund	7.0%	7.0%
Global Asset Allocation Strategy	7.5%	7.5%
<b>Total Multi Asset</b>	<b>14.5%</b>	<b>14.5%</b>
<b>Expected Return 10 yrs (median)</b>	<b>5.7%</b>	<b>5.6%</b>
<b>Expected Return 30 yrs (median)</b>	<b>6.9%</b>	<b>6.9%</b>
<b>Expected Return 30 yrs (68th percentile)</b>	<b>8.0%</b>	<b>8.0%</b>
<b>Standard Dev</b>	<b>12.6%</b>	<b>12.7%</b>
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>

- **Consider increasing the Global Equity target from 10% to 30%, funded by a commensurate decrease in the US, Non-US, and Emerging Markets targets**
  - Little change to the forward-looking expected risk and return
  - Allows for greater allocations to active Global Equity managers, in-line with NEPC's preferred approach
- **NEPC recommends Lindsell / Impax if Option 2 is selected**
  - Reduces fossil fuel exposure to 0% within the equity portfolio (following slide)
  - Backward-looking metrics indicate higher potential for alpha, but with higher tracking error as well
  - Overall upside and downside capture ratios are expected to improve with this change



Note: Based on NEPC's 12/31/23 capital market return assumptions. Returns are beta only and do not assume alpha from the Plan's active managers.



# MIP ESTIMATED FOSSIL FUEL EXPOSURE

3.1

3/31/2024 MIP Market Value: \$396.6M								
MIP Managers	Manager Targets	Fossil Fuel Exposure at 9/30/2023	Estimated Total Plan (%)	Estimated Total Plan \$	Proposed Targets	Fossil Fuel Exposure at 9/30/2023	Estimated Total Plan (%)	Estimated Total Plan \$
SSgA Fossil Fuel Free S&P 500 Index	25.0%	0.0%	0.0%	\$ -	14.50%	0.0%	0.0%	\$ -
Westfield Small/Mid Cap Growth Equity	2.5%	0.0%	0.0%	\$ -	3.00%	0.0%	0.0%	\$ -
DFA US Targeted Value	2.5%	7.6%	0.2%	\$ 757,490	0.00%	7.6%	0.0%	\$ -
Silchester International Value Equity	5.0%	0.0%	0.0%	\$ -	7.25%	0.0%	0.0%	\$ -
Jo Hambro International Select Fund	5.0%	2.1%	0.1%	\$ 406,506	0.00%	2.1%	0.0%	\$ -
Axiom International Small Cap Equity	2.0%	2.6%	0.1%	\$ 206,228	0.00%	2.6%	0.0%	\$ -
Aberdeen Emerging Markets Equity	5.0%	3.8%	0.2%	\$ 747,575	0.00%	3.8%	0.0%	\$ -
Mondrian EM Small Cap	2.0%	0.0%	0.0%	\$ -	4.25%	0.0%	0.0%	\$ -
Walter Scott Global Equity Fund	10.0%	0.0%	0.0%	\$ -	10.00%	0.0%	0.0%	\$ -
Impax	0.0%	0.0%	0.0%	\$ -	10.00%	0.0%	0.0%	\$ -
Lindsell Train	0.0%	0.0%	0.0%	\$ -	10.00%	0.0%	0.0%	\$ -
Commonfund Multi-Strategy Bond Fund	6.5%	1.2%	0.1%	\$ 309,341	6.50%	1.2%	0.1%	\$ 309,341
Fidelity Intermediate Treasury Bond Index	5.0%	0.0%	0.0%	\$ -	5.00%	0.0%	0.0%	\$ -
Vanguard Inflation Protected Securities Fund	5.0%	0.0%	0.0%	\$ -	5.00%	0.0%	0.0%	\$ -
Blackrock Strategic Income Opportunities	5.0%	2.6%	0.1%	\$ 515,569	5.00%	2.6%	0.1%	\$ 515,569
Bain Capital Senior Loan Fund	5.0%	1.6%	0.1%	\$ 321,239	5.00%	1.6%	0.1%	\$ 321,239
Newton Global Real Return	7.5%	3.6%	0.3%	\$ 1,061,874	7.50%	3.6%	0.3%	\$ 1,061,874
Lighthouse Global Long/Short Fund	7.0%	3.0%	0.2%	\$ 843,947	7.00%	3.0%	0.2%	\$ 843,947
Landmark Equity Partners XV	0.0%	1.4%	0.0%	\$ -	0.00%	1.4%	0.0%	\$ -
Distribution Account (Cash)	0.0%	0.0%	0.0%	\$ -	0.0%	0.0%	0.0%	\$ -
<b>Estimated Total Plan Exposure</b>	<b>100%</b>		<b>1.3%</b>	<b>\$ 5,169,768</b>	<b>100%</b>		<b>0.8%</b>	<b>\$ 3,051,969</b>



Manager fossil fuel exposures as of September 30, 2023, MIP market value as of March 31, 2024

# EMERGING MARKET EQUITY



PROPRIETARY & CONFIDENTIAL

# ABERDEEN UPDATE

- **NEPC recently downgraded Aberdeen from a 2-rating to a 3-rating due to team turnover over the last three years**
- **The rating downgrade and the recent due diligence summary listed below along with disappointing performance leads to a recommendation to consider a manager replacement**
- **DD Event Summary**
  - Aberdeen has had four departures in the last three years, resulting in an extremely different team composition than when originally underwritten.
  - Recent departures include Joanne Irvine, Deputy Head of Global Emerging Markets, announcing her retirement effective 6/30/2024 and Kristy Fong, Sr. Investment Director, who left unexpectedly.
  - The continuous churn of investment professionals has resulted in NEPC Research placing Aberdeen on “Hold” in order to better monitor the full impact of these team changes.

Trailing Year Performance (Net of Fees)					
Manager	Qtr	1 Year	3 Years	5 Years	10 Years
Aberdeen Emerging Markets	7.8	7.4	-8.5	3.3	2.2
MSCI EM Index	7.9	9.8	-5.1	3.7	2.7



As of December 31, 2023, net of fees, manager performance is from Morningstar

# EMERGING MARKET MANAGER OPTIONS

- **NEPC's preferred list of strategies include the below managers:**

Manager	Strategy Focus
ABS	Growth Tilt
Axiom	Growth Tilt
CCL	Value Tilt
City of London	Growth Tilt
Fidelity	Growth Tilt

Manager	Strategy Focus
LSV	Value
Pzena	Value
Wasatch	Growth
Westwood	Value Tilt

- **For the MIP, NEPC analyzed replacing Aberdeen with managers that have a growth tilt to maintain similar exposure in the portfolio**
  - City of London excluded from consideration given the complicated nature of the strategy
- **Based on the analysis, NEPC recommends further consideration given to ABS**
  - Provides potential for higher returns and alpha
  - Reduces overall volatility (standard deviation) and tracking error (volatility of alpha)
  - The above results in higher risk-adjusted returns (Sharpe Ratio and Information Ratio)
  - Additionally, the upside and downside capture ratios improve versus the current portfolio
  - It is estimated that ABS has 3.2% in fossil fuels and that the total Plan exposure will decrease as ABS holds less fossil fuels compared to Aberdeen

# EMERGING MARKET MANAGER SUMMARY

3.1

	Current Target Allocation	ABS	Axiom	Fidelity
SSgA Fossil Fuel Free S&P 500	25%	25%	25%	25%
Westfield Capital	2.5%	2.5%	2.5%	2.5%
DFA	2.5%	2.5%	2.5%	2.5%
Walter Scott Global Equity	10%	10%	10%	10%
Silchester International Value Equity	5%	5%	5%	5%
JO Hambro	5%	5%	5%	5%
Axiom International Small Cap Equity	2%	2%	2%	2%
Aberdeen Emerging Markets	5%			
Mondrian EM Small Cap	2%	2%	2%	2%
ABS Emerging Markets Strategic		5%		
Axiom Emerging Markets			5%	
Fidelity Emerging Markets				5%
Risk / Return Metrics				
Annualized Return	9.65%	9.92%	9.68%	9.78%
Annualized Std Dev	15.06%	14.98%	15.01%	15.07%
Annualized Sharpe (Rf=0%)	0.64	0.66	0.64	0.65
Alpha	0.10%	0.12%	0.10%	0.11%
Beta	0.97	0.96	0.97	0.97
Annualized Alpha	1.21%	1.50%	1.26%	1.33%
Tracking Error	1.45%	1.44%	1.43%	1.41%
Information Ratio	0.73	0.93	0.77	0.85
Upside Capture	99.90%	100.02%	99.91%	100.16%
Downside Capture	94.18%	92.91%	94.06%	93.84%

# PERFORMANCE COMPARISON

Trailing Year Performance (Net of Fees)							
Manager	Qtr	1 Year	3 Years	5 Years	10 Years	Annual Fee	Vehicle
ABS	6.5	12.9	-2.9	6.3	-	45 bps + 10% perf. Fee / 75 bps	CF
Axiom	6.7	5.2	-11.2	2.6	2.3	74 bps / 100 bps on first \$25m, 90 bps on next \$75m	CF, SMA
Fidelity	8.9	11.4	-7.2	4.2	3.7	70 bps	CF
Aberdeen	7.8	7.4	-8.5	3.3	2.2	110 bps	MF
MSCI EM Index	7.9	9.8	-5.1	3.7	2.7		

Calendar Year (Net of Fees)							
Manager	2023	2022	2021	2020	2019	2018	2017
ABS	12.9	-23.5	6.1	23.9	19.7	-15.3	-
Axiom	5.2	-30.6	-4.2	30.0	24.8	-16.5	41.2
Fidelity	11.4	-24.6	-5.0	25.6	22.3	-18.7	44.6
Aberdeen	7.4	-25.6	-4.2	27.4	20.3	-14.3	28.8
MSCI EM Index	9.8	-20.1	-2.5	18.3	18.4	-14.6	37.3



As of December 31, 2023, net of fees, manager performance is from Morningstar

# ABS - EMS PORTFOLIO

## DUE DILIGENCE RATING: 1

The team believes their investment edge lies in their qualitative, bottom-up approach in identifying local specialists, in conjunction with their proprietary investment and risk management tool called the ABSolute. Their experience and networks in emerging markets help them identify local investment talents. Their proprietary system helps them control and monitor investments in depth every step of the way.

<b>Firm</b> <b>1</b>	<b>Philosophy</b> <b>1</b>
<b>People</b> <b>2</b>	<b>Performance</b> <b>3</b>

3.1

### TEAM COMMENTS

Guilherme Valle is the portfolio manager for this strategy and is supported by four qualitative investment analyst members that specifically focus on the strategy. Sharon Shuiyin Liu is also part of the team and is responsible for sourcing and monitoring Asia equity strategies.

### INVESTMENT STYLE/STRATEGY

Qualitative, bottom-up approach in identifying local specialists to source names, in conjunction with their proprietary investment and risk management tool called the ABSolute.

### PERFORMANCE EXPECTATIONS

The strategy aims to generate 3-5% net alpha over the MSCI EM IMI Index over a full market cycle which equates to a gross alpha of roughly 4-6%.

### PORTFOLIO POSITIONING

The strategy is well diversified, typically holding about 400-600 names. The strategy tends to hold names for longer periods of time with annual turnover historically being about 40%. Will tend to hold more small cap names than peers and is benchmarked to the MSCI EM IMI index.

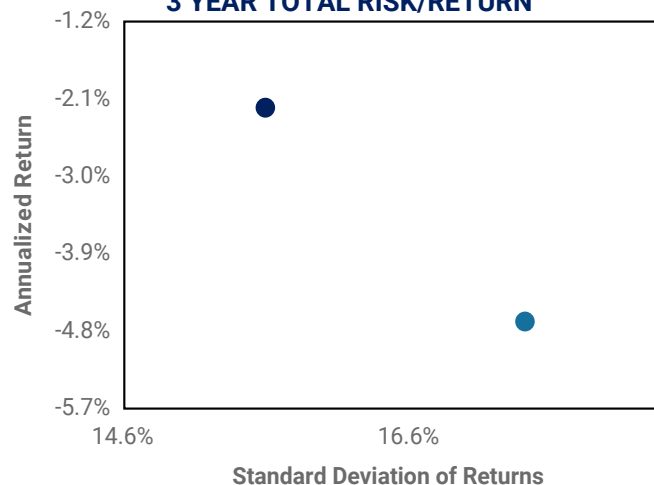
### FIRM FACTS

<b>Location</b>	Greenwich, Connecticut
<b>Year Founded</b>	2002
<b>Total AUM (\$MM)</b>	6,825
<b>Fixed Income AUM (%)</b>	0
<b>Equity AUM (%)</b>	0
<b>Other AUM (%)</b>	0
<b># of Employees / Investment Professionals</b>	38 / -
<b>% Employee Owned</b>	

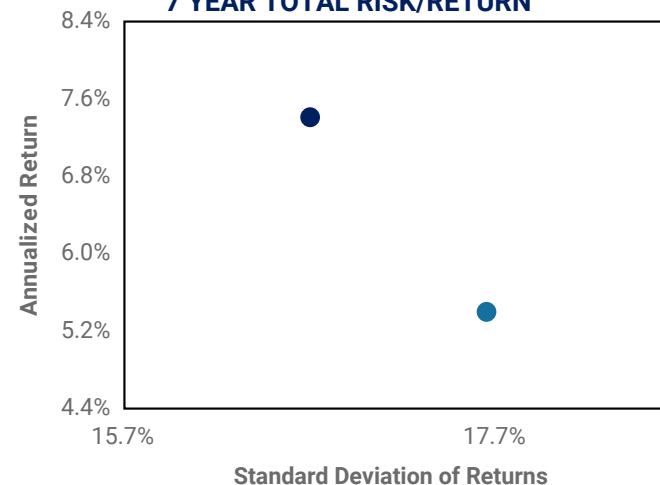
### STRATEGY FACTS

<b>Inception Date</b>	2017
<b>Total AUM (\$MM)</b>	1,742
<b># of Portfolio Managers</b>	1
<b># of Research Analysts</b>	6
<b>Available Vehicles</b>	CM
<b>Preferred Benchmark</b>	MSCI EM
<b>Primary Market Capitalization</b>	All Cap
<b>Investment Style</b>	Fundamental, Bottom-Up

#### 3 YEAR TOTAL RISK/RETURN



#### 7 YEAR TOTAL RISK/RETURN



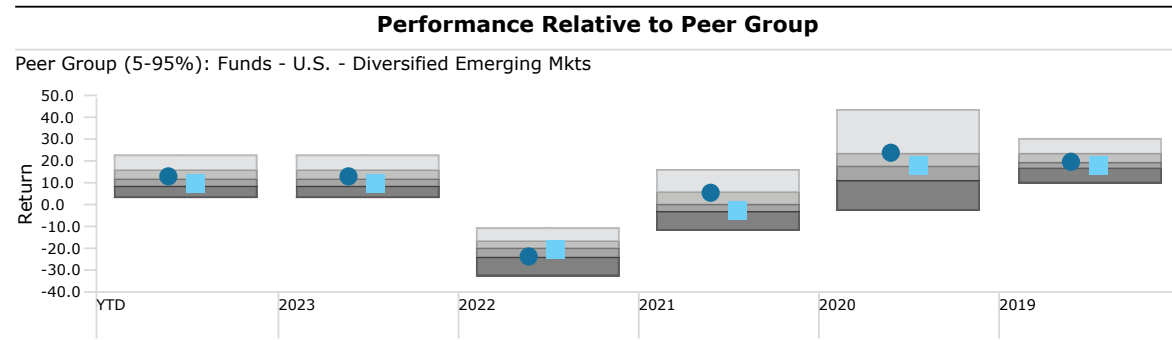
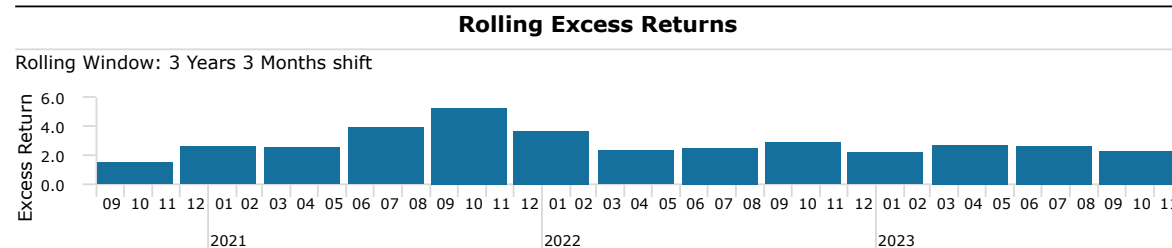
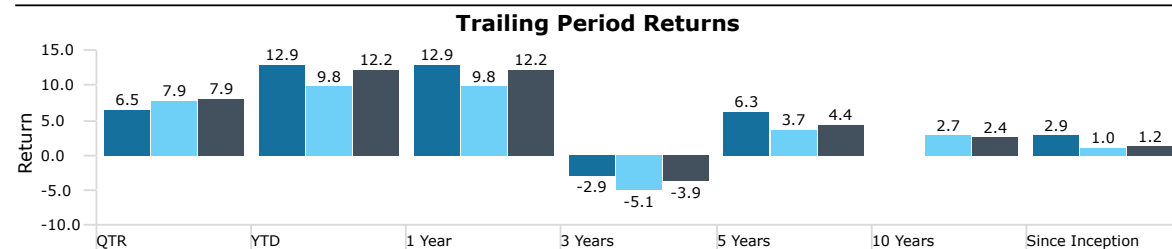
● EMS Portfolio ● MSCI EM



Gross of fee performance used in the above analysis. | Ratings: 1 (Highest) - 5 (Lowest) | Past performance is no guarantee of future results. | Source: NEPC, eVestment | As of December 31, 2023

# ABS Emerging Markets Strategic

● ABS Emerging Markets Strategic    ■ MSCI EM NR USD    ▲ US Fund Diversified Emerging Mkts



**Quarterly Returns**

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	3.77	3.61	-1.41	6.51	12.90
2022	-10.65	-12.51	-8.55	6.97	-23.53
2021	4.83	6.19	-4.84	0.14	6.09
2020	-23.44	21.78	11.41	19.25	23.87
2019	11.37	0.67	-2.93	9.99	19.70
2018	1.46	-7.55	-3.97	-6.01	-15.34
2017	—	—	—	—	—

**Excess Returns**

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	-0.19	2.71	1.52	-1.35	3.07
2022	-3.67	-1.06	3.02	-2.73	-3.44
2021	2.54	1.14	3.25	1.45	8.63
2020	0.16	3.70	1.85	-0.45	5.56
2019	1.44	0.07	1.31	-1.85	1.27
2018	0.04	0.41	-2.88	1.47	-0.76
2017	—	—	—	—	—

## Summary Statistics

Time Period: 1/1/2019 to 12/31/2023

	Strategy	Benchmark
Up Capture Ratio	100.08	100.00
Down Capture Ratio	89.78	100.00
Std Dev	18.45	19.16
Information Ratio	0.65	—
Alpha	2.59	0.00
Beta	0.94	1.00
R2	95.88	100.00
Tracking Error	3.90	0.00
Sharpe Ratio	0.32	0.18

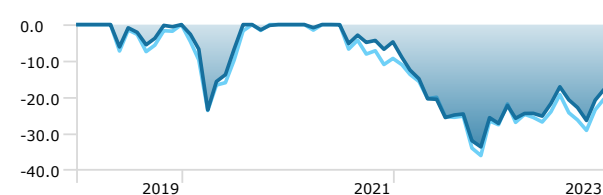
## Drawdown Statistics

Time Period: Since Common Inception (12/1/2017) to 12/31/2023

	Strategy	Benchmark
Max Drawdown	-33.61	-35.98
Max Drawdown # of Months	17	16
Max Drawdown Peak Date	6/1/2021	7/1/2021
Max Drawdown Valley Date	10/31/2022	10/31/2022
Recovery # of Months	—	—

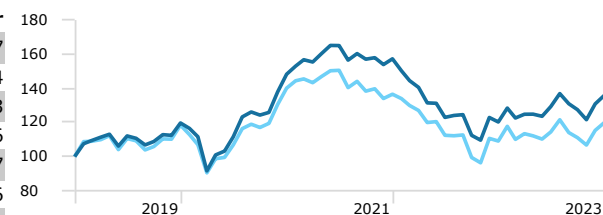
## Drawdown

Time Period: 1/1/2019 to 12/31/2023



	Strategy	Benchmark
M-Squared (Risk Adjusted-Return)	8.05%	5.44%

## Investment Growth

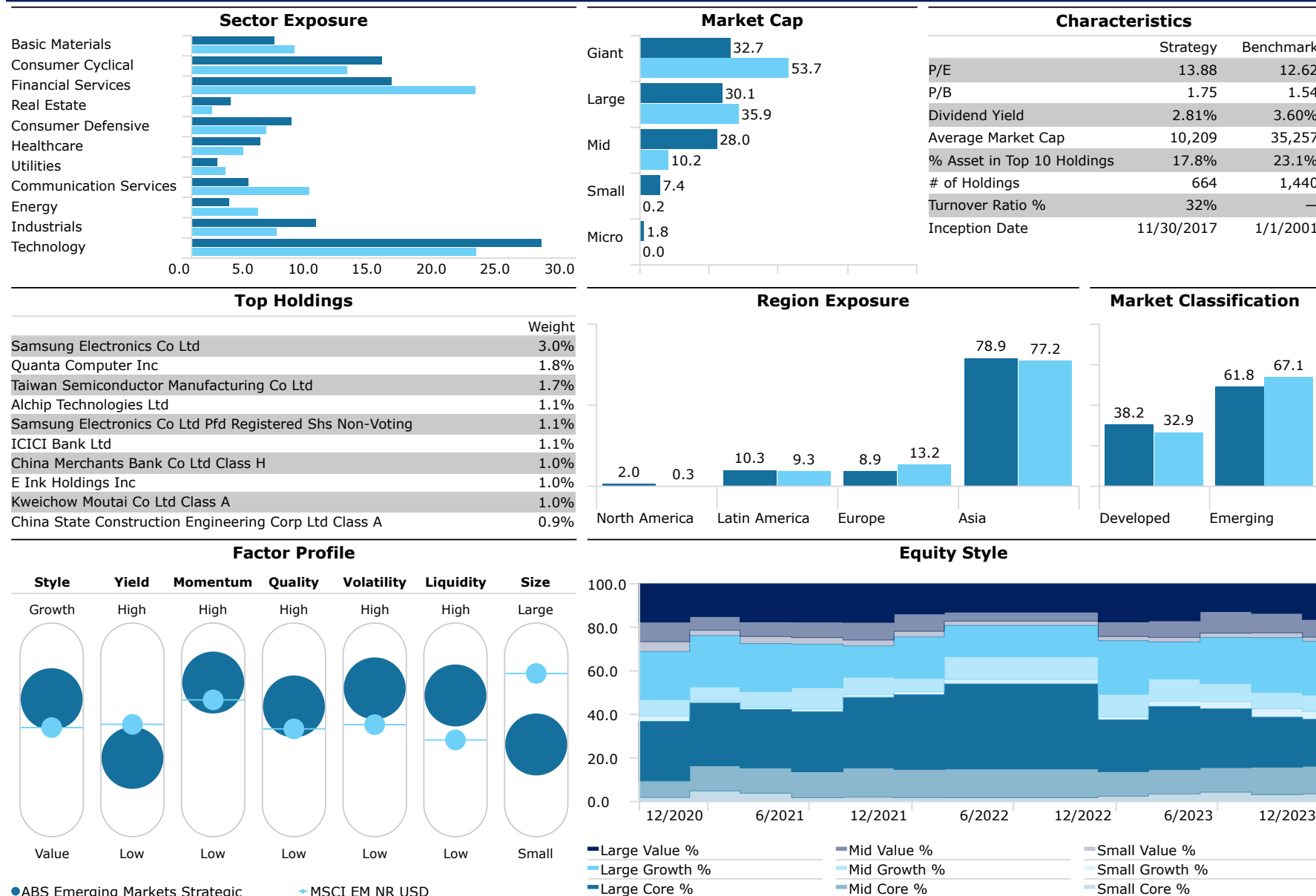


Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.



# ABS Emerging Markets Strategic

3.1



Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.

Portfolio Date: 12/31/2023

# OPTION 1 – REDUCE EQUITY FOSSIL FUEL EXPOSURE



# OPTION 1

3.1

	Current Target Allocation	Option 1 - Lindsell Train	Option 1 - Impax	Option 1 - Rockefeller
SSgA Fossil Fuel Free S&P 500	25%	19%	19%	19%
Westfield Capital	2.5%	2%	2%	2%
DFA	2.5%	2%	2%	2%
Walter Scott Global Equity	10%	10%	10%	10%
Lindsell Train Global Equity		10%		
Impax Leaders			10%	
Rockefeller Climate Solutions				10%
Silchester International Value Equity	5%	4%	4%	4%
JO Hambro	5%	4%	4%	4%
Axiom International Small Cap Equity	2%	2%	2%	2%
ABS Emerging Markets Strategic	5%	4%	4%	4%
Mondrian EM Small Cap	2%	2%	2%	2%

## Risk / Return Metrics

Annualized Return	9.90%	10.09%	9.82%	9.77%
Annualized Std Dev	14.81%	14.39%	15.22%	15.00%
Annualized Sharpe (Rf=0%)	0.67	0.70	0.65	0.65
Alpha	0.13%	0.16%	0.11%	0.12%
Beta	0.95	0.92	0.98	0.96
Annualized Alpha	1.57%	1.99%	1.34%	1.39%
Tracking Error	1.70%	2.44%	2.10%	2.04%
Information Ratio	0.78	0.62	0.59	0.58
Upside Capture	99.36%	98.36%	101.25%	99.49%
Downside Capture	92.15%	89.89%	95.20%	92.91%



# RECOMMENDATION

	Current Target Allocation	Option 1 Portfolios
US Large-Cap Equity	25.0%	19.0%
US Small/Mid-Cap Equity	5.0%	4.0%
Non-US Developed Equity	10.0%	8.0%
Non-US Developed Small-Cap Equity	2.0%	2.0%
Emerging Market Equity	5.0%	4.0%
Emerging Market Small-Cap Equity	2.0%	2.0%
Global Equity	10.0%	20.0%
<b>Total Equity</b>	<b>59.0%</b>	<b>59.0%</b>
<b>High-Quality</b>	<b>11.5%</b>	<b>11.5%</b>
US TIPS	5.0%	5.0%
US Aggregate Bond	6.5%	6.5%
<b>Safe-Haven</b>	<b>5.0%</b>	<b>5.0%</b>
US Treasury Bond	5.0%	5.0%
<b>Return-Seeking</b>	<b>10.0%</b>	<b>10.0%</b>
US Leveraged Loan	5.0%	5.0%
Absolute Return Fixed Income	5.0%	5.0%
<b>Total Fixed Income</b>	<b>26.5%</b>	<b>26.5%</b>
Hedge Fund	7.0%	7.0%
Global Asset Allocation Strategy	7.5%	7.5%
<b>Total Multi Asset</b>	<b>14.5%</b>	<b>14.5%</b>
<b>Expected Return 10 yrs (median)</b>	<b>5.7%</b>	<b>5.7%</b>
<b>Expected Return 30 yrs (median)</b>	<b>6.9%</b>	<b>6.9%</b>
<b>Expected Return 30 yrs (68th percentile)</b>	<b>8.0%</b>	<b>8.0%</b>
<b>Standard Dev</b>	<b>12.6%</b>	<b>12.7%</b>
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>

- Depending on the prior discussions, NEPC would recommend at a minimum to add Lindsell Train to the MIP (along with ABS Emerging Markets)
- Consider increasing the Global Equity target from 10% to 20%, funded by a commensurate decrease in the US, Non-US, and Emerging Markets targets
  - Little change to the forward-looking expected risk and return
  - Allows for greater allocations to active Global Equity managers, in-line with NEPC's preferred approach
- NEPC recommends Lindsell if Option 1 is selected
  - Reduces fossil fuel exposure slightly within the equity portfolio (following slide)
  - Backward looking metrics indicate higher potential for alpha, but with higher tracking error as well
  - Overall upside and downside capture ratios are expected to improve with this change



Note: Based on NEPC's 12/31/23 capital market return assumptions. Returns are beta only and do not assume alpha from the Plan's active managers.

# MIP ESTIMATED FOSSIL FUEL EXPOSURE

3.1

3/31/2024 MIP Market Value: \$396.6M

MIP Managers	Manager Targets	Fossil Fuel Exposure at 9/30/2023	Estimated Total Plan (%)	Estimated Total Plan \$	Proposed Targets	Fossil Fuel Exposure at 9/30/2023	Estimated Total Plan (%)	Estimated Total Plan \$
SSgA Fossil Fuel Free S&P 500 Index	25.0%	0.0%	0.0%	\$ -	19.00%	0.0%	0.0%	\$ -
Westfield Small/Mid Cap Growth Equity	2.5%	0.0%	0.0%	\$ -	2.00%	0.0%	0.0%	\$ -
DFA US Targeted Value	2.5%	7.6%	0.2%	\$ 757,490	2.00%	7.6%	0.2%	\$ 605,992
Silchester International Value Equity	5.0%	0.0%	0.0%	\$ -	4.00%	0.0%	0.0%	\$ -
Jo Hambro International Select Fund	5.0%	2.1%	0.1%	\$ 406,506	4.00%	2.1%	0.1%	\$ 325,205
Axiom International Small Cap Equity	2.0%	2.6%	0.1%	\$ 206,228	2.00%	2.6%	0.1%	\$ 206,228
Aberdeen Emerging Markets Equity	5.0%	3.8%	0.2%	\$ 747,575	4.00%	3.8%	0.2%	\$ 598,060
Mondrian EM Small Cap	2.0%	0.0%	0.0%	\$ -	2.00%	0.0%	0.0%	\$ -
Walter Scott Global Equity Fund	10.0%	0.0%	0.0%	\$ -	10.00%	0.0%	0.0%	\$ -
Lindsell Train	0.0%	0.0%	0.0%	\$ -	10.00%	0.0%	0.0%	\$ -
Commonfund Multi-Strategy Bond Fund	6.5%	1.2%	0.1%	\$ 309,341	6.50%	1.2%	0.1%	\$ 309,341
Fidelity Intermediate Treasury Bond Index	5.0%	0.0%	0.0%	\$ -	5.00%	0.0%	0.0%	\$ -
Vanguard Inflation Protected Securities Fund	5.0%	0.0%	0.0%	\$ -	5.00%	0.0%	0.0%	\$ -
Blackrock Strategic Income Opportunities	5.0%	2.6%	0.1%	\$ 515,569	5.00%	2.6%	0.1%	\$ 515,569
Bain Capital Senior Loan Fund	5.0%	1.6%	0.1%	\$ 321,239	5.00%	1.6%	0.1%	\$ 321,239
Newton Global Real Return	7.5%	3.6%	0.3%	\$ 1,061,874	7.50%	3.6%	0.3%	\$ 1,061,874
Lighthouse Global Long/Short Fund	7.0%	3.0%	0.2%	\$ 843,947	7.00%	3.0%	0.2%	\$ 843,947
Landmark Equity Partners XV	0.0%	1.4%	0.0%	\$ -	0.00%	1.4%	0.0%	\$ -
Distribution Account (Cash)	0.0%	0.0%	0.0%	\$ -	0.0%	0.0%	0.0%	\$ -
<b>Estimated Total Plan Exposure</b>	<b>100%</b>		<b>1.3%</b>	<b>\$ 5,169,768</b>	<b>100%</b>		<b>1.2%</b>	<b>\$ 4,787,454</b>



Manager fossil fuel exposures as of September 30, 2023, MIP market value as of March 31, 2024

# APPENDIX





# AXIOM - EMERGING MARKETS

## DUE DILIGENCE RATING: 1

The strategy follows firm wide dynamic growth philosophy. They look for potential operational inflection points that could result in medium term earnings revisions, and emphasize not overpaying for growth. Value-add lies in their ability to consistently pick companies that will deliver better than consensus earnings expectations.

<b>Firm</b> <b>1</b>	<b>Philosophy</b> <b>1</b>
<b>People</b> <b>2</b>	<b>Performance</b> <b>2</b>

3.1

### TEAM COMMENTS

The team has three co-lead portfolio managers (Andrew Jacobson, Jose Gerardo Morales, and Younf Kim) and one co-portfolio manager (Donald Elefson). The strategy is supported by Axiom's team of Global Research Analysts, Portfolio Research Analysts, and Research Associates.

### INVESTMENT STYLE/STRATEGY

This is an all cap growth strategy that focuses on earnings per share growth and changes in earnings expectations. The team implements the strategy through bottom up stock selection.

### PERFORMANCE EXPECTATIONS

The strategy tends to outperform in rising markets and give up performance in down markets.

### PORTFOLIO POSITIONING

Typically the portfolio will have twice the earnings per share growth of the MSCI EM Index. This is an all cap strategy that will invest across the cap spectrum.

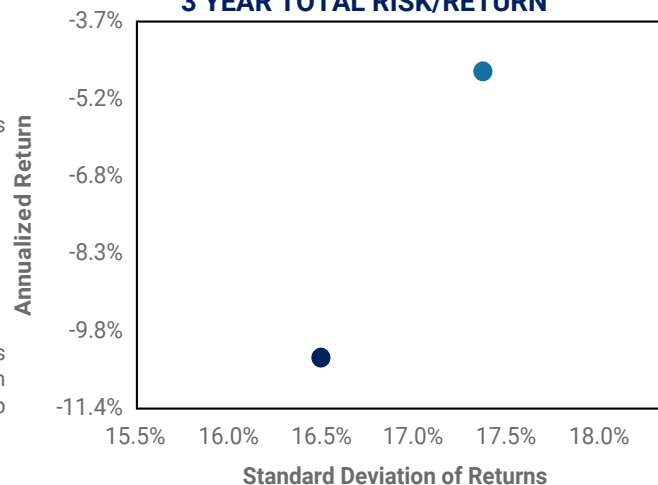
### FIRM FACTS

<b>Location</b>	Greenwich, Connecticut
<b>Year Founded</b>	1998
<b>Total AUM (\$MM)</b>	19,916
<b>Fixed Income AUM (%)</b>	0
<b>Equity AUM (%)</b>	100
<b>Other AUM (%)</b>	0
<b># of Employees / Investment Professionals</b>	60 / 31
<b>% Employee Owned</b>	100

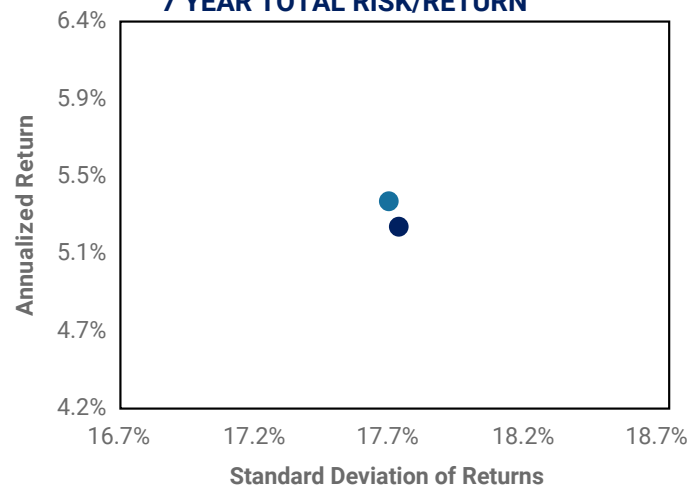
### STRATEGY FACTS

<b>Inception Date</b>	2007
<b>Total AUM (\$MM)</b>	4,854
<b># of Portfolio Managers</b>	4
<b># of Research Analysts</b>	8
<b>Available Vehicles</b>	SA, CM
<b>Preferred Benchmark</b>	MSCI EM
<b>Primary Market Capitalization</b>	All Cap
<b>Investment Style</b>	Fundamental, Bottom-Up

#### 3 YEAR TOTAL RISK/RETURN



#### 7 YEAR TOTAL RISK/RETURN



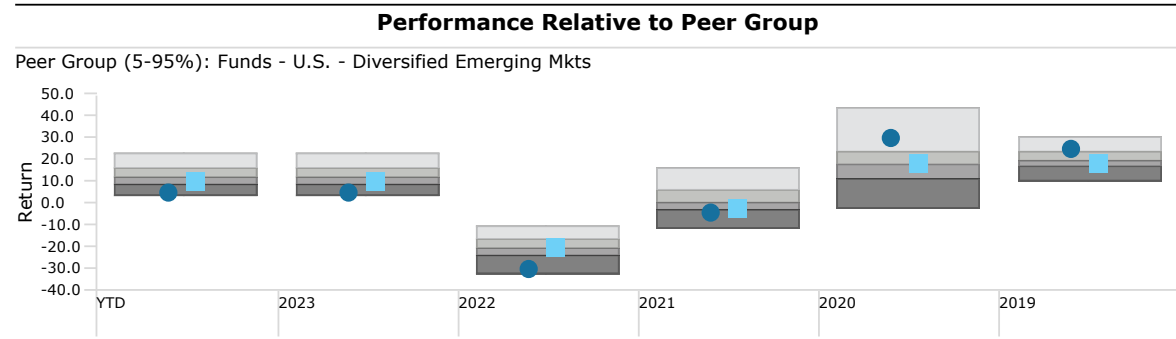
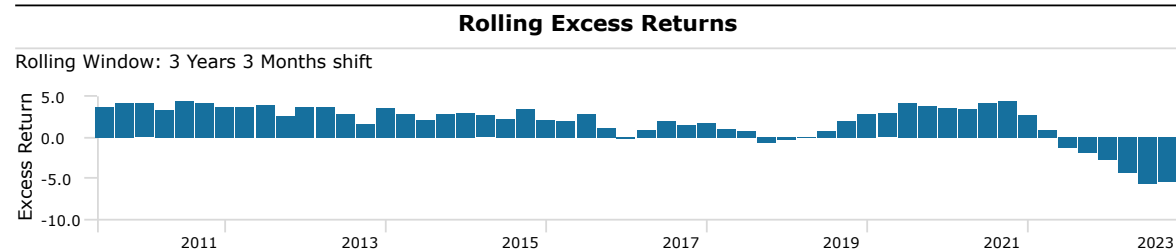
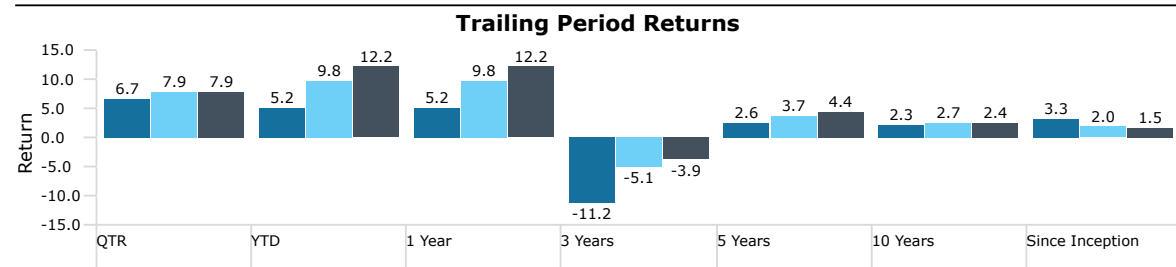
● Emerging Markets ● MSCI EM



Gross of fee performance used in the above analysis. | Ratings: 1 (Highest) - 5 (Lowest) | Past performance is no guarantee of future results. | Source: NEPC, eVestment | As of December 31, 2023

# Axiom Emerging Markets Equity

● Axiom Emerging Markets Equity    ■ MSCI EM NR USD    ▲ US Fund Diversified Emerging Mkts



**Quarterly Returns**

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	3.97	-1.20	-4.09	6.75	5.18
2022	-11.20	-14.52	-13.93	6.26	-30.58
2021	-0.89	6.54	-7.78	-1.56	-4.15
2020	-21.56	21.69	13.19	20.30	29.99
2019	10.88	2.46	-2.14	12.25	24.79
2018	2.40	-8.35	-2.81	-8.50	-16.54
2017	11.57	7.54	9.88	7.12	41.22

**Excess Returns**

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	0.02	-2.10	-1.16	-1.12	-4.65
2022	-4.23	-3.07	-2.35	-3.45	-10.49
2021	-3.18	1.49	0.31	-0.25	-1.61
2020	2.04	3.61	3.63	0.61	11.69
2019	0.95	1.85	2.10	0.41	6.36
2018	0.98	-0.39	-1.71	-1.02	-1.96
2017	0.13	1.27	1.99	-0.32	3.94

## Summary Statistics

Time Period: 1/1/2019 to 12/31/2023

	Strategy	Benchmark
Up Capture Ratio	100.45	100.00
Down Capture Ratio	104.94	100.00
Std Dev	19.06	19.16
Information Ratio	-0.23	—
Alpha	-0.98	0.00
Beta	0.97	1.00
R2	94.06	100.00
Tracking Error	4.69	0.00
Sharpe Ratio	0.12	0.18

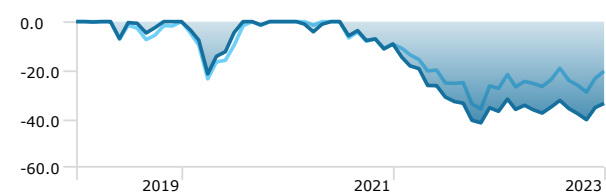
## Drawdown Statistics

Time Period: Since Common Inception (9/1/2007) to 12/31/2023

	Strategy	Benchmark
Max Drawdown	-59.94	-61.59
Max Drawdown # of Months	16	16
Max Drawdown Peak Date	11/1/2007	11/1/2007
Max Drawdown Valley Date	2/28/2009	2/28/2009
Recovery # of Months	22	101

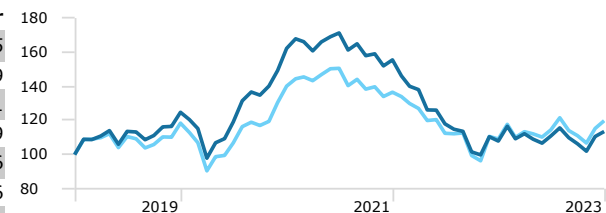
## Drawdown

Time Period: 1/1/2019 to 12/31/2023



	Strategy	Benchmark
M-Squared (Risk Adjusted-Return)	5.29%	5.44%

## Investment Growth

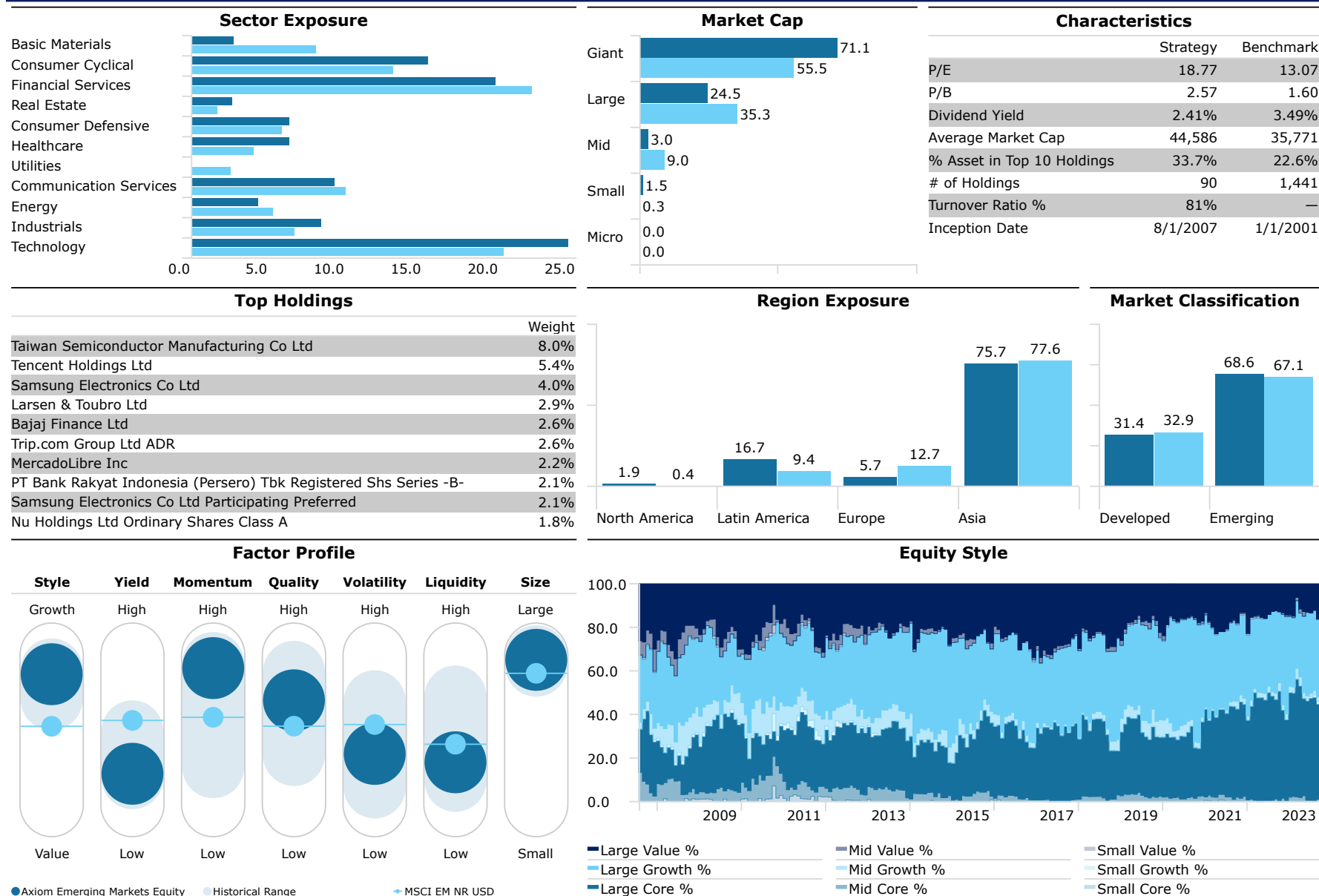


Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.



# Axiom Emerging Markets Equity

3.1



Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.

Portfolio Date: 12/31/2023

# FIDELITY - SELECT EME

## DUE DILIGENCE RATING: 1

The Select Emerging Markets Equity is a research platform strategy that utilizes Fidelity's fundamental research team (and their best stock ideas) to build a portfolio that combines their qualitative stock selection and the quantitative methods. This strategy allows investors to tap into the stock selection abilities of one of the largest buy-side research platforms with Fidelity's fundamental research team. When building the portfolios, portfolio manager John Chow incorporates a variety of risk models and portfolio construction optimization techniques to maximize stock selections impact on the portfolio while minimizing relative market, style, country, and sector risk versus the MSCI EM index. Overall, this is a strategy that is supposed to have most of its excess return come from the stock selection prowess of the research analysts at Fidelity.

<b>Firm</b> <b>2</b>	<b>Philosophy</b> <b>1</b>
<b>People</b> <b>1</b>	<b>Performance</b> <b>3</b>

3.1

### TEAM COMMENTS

John Chow serves as the lead portfolio manager of the FIAM Select Emerging Markets Equity strategy. César Hernández acts as the back-up portfolio manager for the strategy. Ideas for the portfolio come from the fundamental analysts that are on the regional emerging markets equity team.

### INVESTMENT STYLE/STRATEGY

This strategy is designed to be core/growth in style and run country and sector neutral to the MSCI EM benchmark.

### PERFORMANCE EXPECTATIONS

The strategy should never be too far away from the benchmark either over or underweight. They should outperform if growth is in favor.

### PORTFOLIO POSITIONING

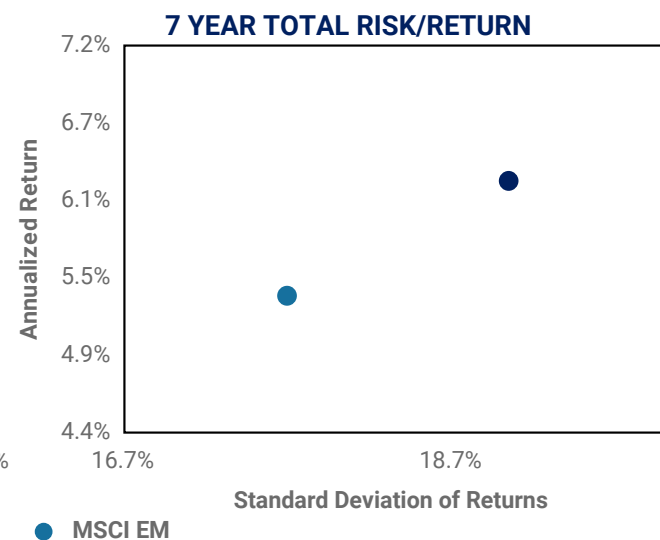
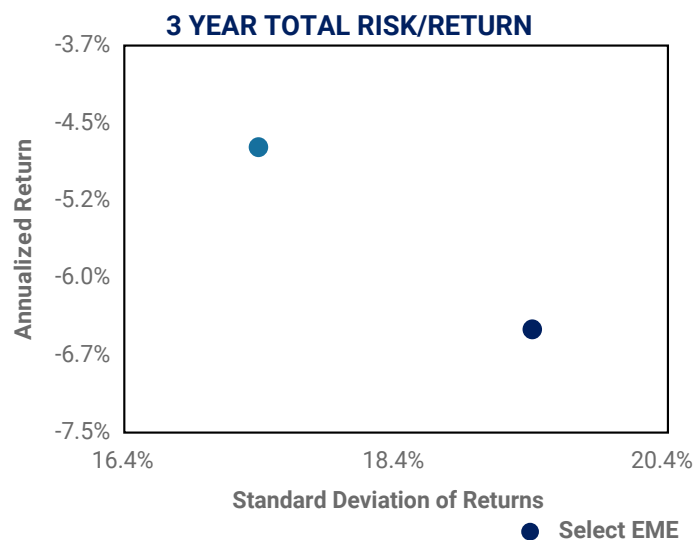
This strategy is focused on stock specific risk and will be country and sector neutral to the benchmark.

### FIRM FACTS

<b>Location</b>	Boston, Massachusetts
<b>Year Founded</b>	2005
<b>Total AUM (\$MM)</b>	386,331
<b>Fixed Income AUM (%)</b>	30
<b>Equity AUM (%)</b>	29
<b>Other AUM (%)</b>	41
<b># of Employees / Investment Professionals</b>	917 / -
<b>% Employee Owned</b>	

### STRATEGY FACTS

<b>Inception Date</b>	2008
<b>Total AUM (\$MM)</b>	13,057
<b># of Portfolio Managers</b>	3
<b># of Research Analysts</b>	198
<b>Available Vehicles</b>	SA, CM, MFR, MFI
<b>Preferred Benchmark</b>	MSCI EM
<b>Primary Market Capitalization</b>	All Cap
<b>Investment Style</b>	Fundamental, Bottom-Up



Gross of fee performance used in the above analysis. | Ratings: 1 (Highest) - 5 (Lowest) | Past performance is no guarantee of future results. | Source: NEPC, eVestment | As of December 31, 2023

# Fidelity Select Emerging Markets Equity

● Fidelity Select Emerging Markets Equity ■ MSCI EM NR USD

▲ US Fund Diversified Emerging Mkts

## Summary Statistics

Time Period: 1/1/2019 to 12/31/2023

	Strategy	Benchmark
Up Capture Ratio	108.14	100.00
Down Capture Ratio	107.04	100.00
Std Dev	20.68	19.16
Information Ratio	0.13	—
Alpha	0.53	0.00
Beta	1.07	1.00
R2	97.48	100.00
Tracking Error	3.51	0.00
Sharpe Ratio	0.20	0.18

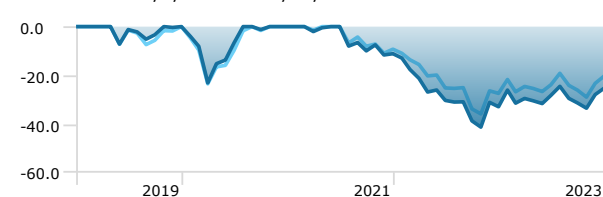
## Drawdown Statistics

Time Period: Since Common Inception (7/1/2008) to 12/31/2023

	Strategy	Benchmark
Max Drawdown	-51.76	-53.32
Max Drawdown # of Months	5	8
Max Drawdown Peak Date	7/1/2008	7/1/2008
Max Drawdown Valley Date	11/30/2008	2/28/2009
Recovery # of Months	22	19

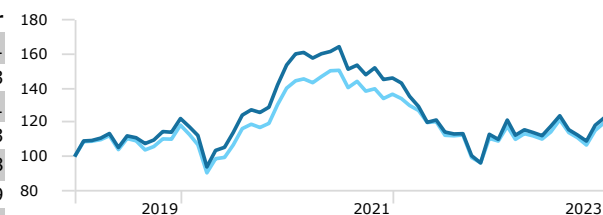
## Drawdown

Time Period: 1/1/2019 to 12/31/2023

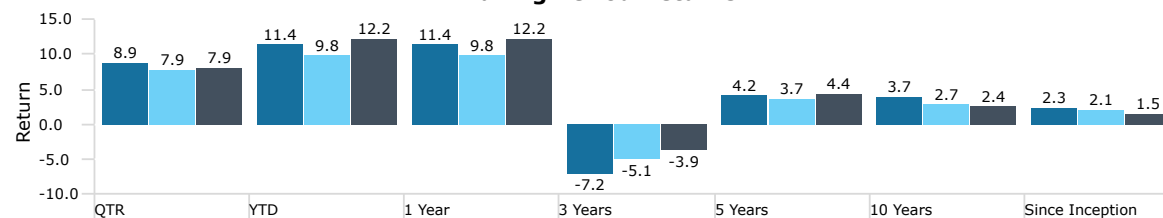


	Strategy	Benchmark
M-Squared (Risk Adjusted-Return)	6.63%	5.44%

## Investment Growth

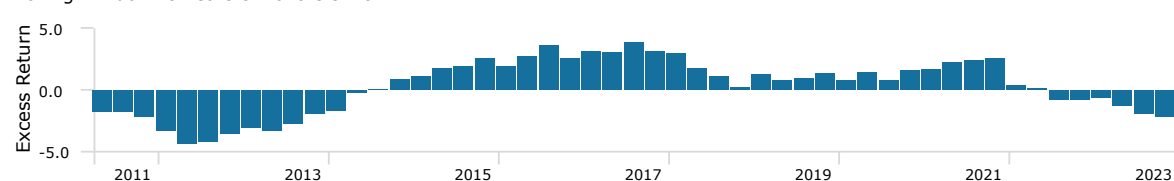


## Trailing Period Returns



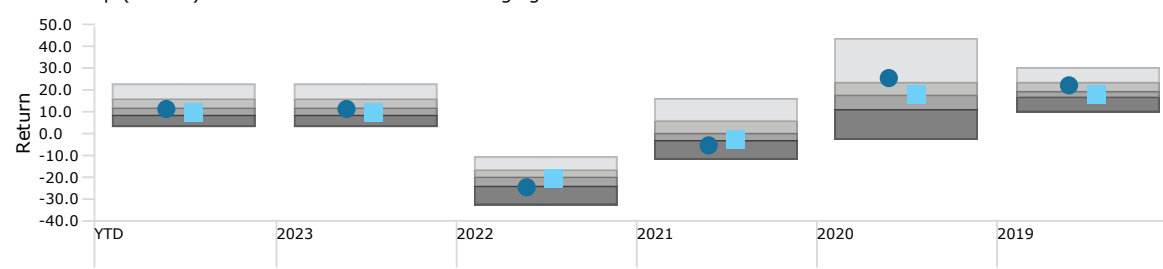
## Rolling Excess Returns

Rolling Window: 3 Years 3 Months shift



## Performance Relative to Peer Group

Peer Group (5-95%): Funds - U.S. - Diversified Emerging Mkts



## Quarterly Returns

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	5.10	1.80	-4.35	8.89	11.43
2022	-11.44	-11.57	-12.12	9.52	-24.62
2021	2.64	4.24	-10.00	-1.30	-4.95
2020	-23.19	21.48	10.27	22.09	25.64
2019	10.84	1.18	-2.17	11.48	22.31
2018	1.34	-9.78	-3.76	-7.58	-18.67
2017	13.26	7.33	10.83	7.29	44.56

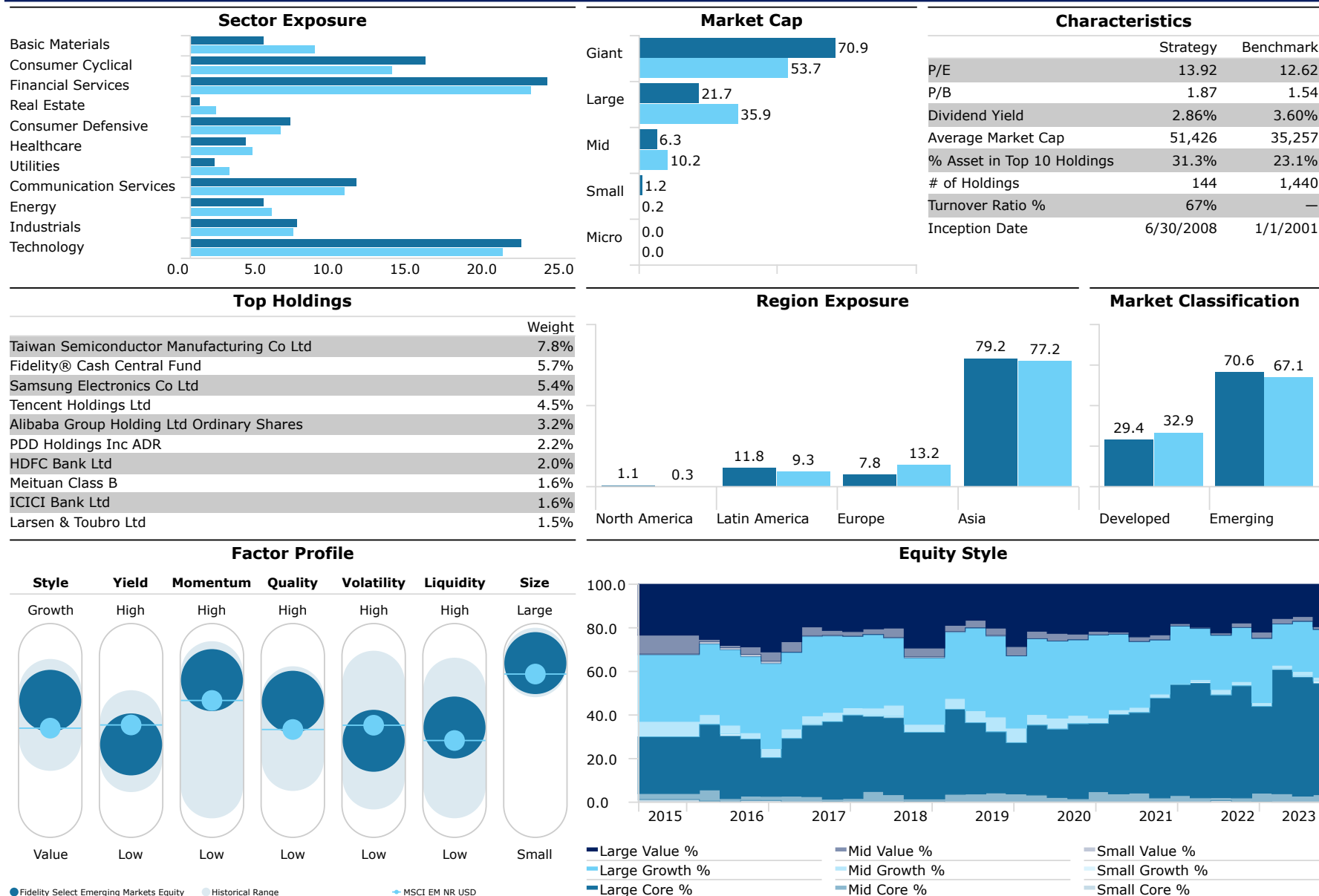
## Excess Returns

	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Year
2023	1.15	0.90	-1.43	1.02	1.61
2022	-4.46	-0.12	-0.55	-0.18	-4.53
2021	0.36	-0.81	-1.91	0.01	-2.41
2020	0.41	3.40	0.72	2.40	7.33
2019	0.91	0.58	2.07	-0.36	3.88
2018	-0.07	-1.82	-2.66	-0.11	-4.09
2017	1.82	1.06	2.94	-0.14	7.28



Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.

# Fidelity Select Emerging Markets Equity



Source: Morningstar, eVestment and/or Strategy materials. Past performance is no guarantee of future results. Performance is net of fees.

Portfolio Date: 12/31/2023

# DISCLAIMERS

Past performance is no guarantee of future results.

The opinions presented herein represent the good faith views of NEPC as of the date of this report and are subject to change at any time.

Data used to prepare this report was obtained directly from the investment manager(s). While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.

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University of Maine System  
Board of Trustees

## **AGENDA ITEM SUMMARY**

**NAME OF ITEM:** Global Asset Allocation Manager Recommendation

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:**

**BOARD ACTION:** X

**BOARD POLICY:**

Section 709 - Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System's (UMS) investments.

**BACKGROUND:**

Kelly Regan and Matt Landen, with NEPC, will provide an update on Newton's Global Real Return strategy. UMS invests in Newton across all three portfolios (Managed Investment Pool (MIP), Pension and Operating Fund) through the BNY Mellon mutual fund with total assets of approximately \$44 million. Newton has offered to run a separate account and include fossil fuel divestment guidelines.

**TEXT OF PROPOSED RESOLUTION:**

That the Board of Trustees, acting through the Investment Committee, approves the following investment manager:

- Switch from the BNY Mellon Global Real Return (DRRYX) strategy to a Newton Global Real Return separate account for the MIP, Pension, and Operating Fund.

**Attachments**

[2024 UMS Fossil Fuel Reduction-Newton GRR](#)

[Newton Global Real Return Strategy \(US\) Present Q1 2024 FFFGRR](#)



# FOSSIL FUEL REDUCTION – NEWTON GLOBAL REAL RETURN

UNIVERSITY OF MAINE SYSTEM

MAY 16, 2024

Kelly Regan, Partner  
Matt Landen, CFA, Consultant  
Lauren Carlson, Consulting Analyst



PROPRIETARY & CONFIDENTIAL



# EXECUTIVE SUMMARY

- **The University of Maine System approved a Fossil Fuel Divestment Policy in April 2022**
- **As part of this policy, NEPC continually assesses ways UMS can reduce the Portfolios' fossil fuel exposure and is bringing forth information for the Investment Committee's consideration**
- **Today, all three Portfolios invest in Newton Global Real Return through a mutual fund vehicle (BNY Mellon)**
  - Mutual funds do not allow for client specific guidelines
  - Total assets invested with Newton is roughly \$44M
- **Newton has offered to run a separate account vehicle with the same investment process as the Global Real Return mutual fund**
  - The separate account would allow for fossil fuel specific guidelines
- **Newton's investment management fees for the separate account would be lower compared to the mutual fund**
  - Mutual Fund (Current Investment): Ticker DRRYX, Annual Expense Ratio: 0.86%
  - Separate Account (Proposed Investment): Annual Fees <\$50M, 0.65%; Annual Fees \$50-100M, 0.60%
    - Investment Management Fee savings estimated at \$92.5k
  - There would be an additional custodian cost (estimated to be \$80k annually)
- **A back-test performance analysis was completed by Newton and it was estimated that 7 basis points of performance annually would have been detracted from performance results over the last 10 years**
  - The securities that would be excluded under Newton's proposed methodology are:
    - ConocoPhillips, Hess Corporation, Marathon Petroleum Corporation, Neste Corporation, NOV Inc., Phillips 66, Schlumberger N.V., Shell Plc, Suncor Energy, TotalEnergies SE
- **Newton's will present their proposed process and fossil fuel divestment (materials included)**



# UMS FOSSIL FUEL DIVESTMENT POLICY

- **The University of Maine System approved a Fossil Fuel Divestment Policy in April 2022**
  - Short-Term Actions: As of May 31, 2022, UMS will divest from direct fossil fuel investments.
    - Divest all direct equity and fixed income investments in fossil fuels by May 31, 2022(1).
    - To make no new direct investments in fossil fuels.
  - Long-Term Goals: Divest from actively managed commingled and mutual fund fossil fuel investments by 2030. The Investment Committee will:
    - Monitor the actively managed commingled and mutual fund fossil fuel exposure and the growth of fossil fuel free alternative investment funds.
    - Assess investment managers with regard to their commitment to sustainable and fossil fuel free investments and, when prudent and appropriate, select managers with such strategies.
    - Select managers who best meet UMS risk, return, diversification, and fiduciary goals while being mindful of ESG and climate goals.



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**NEWTON**

Investment  
Management

➤ BNY MELLON | INVESTMENT MANAGEMENT

4.2

# NEWTON GLOBAL REAL RETURN STRATEGY

University of Maine

May 16, 2024

## STRICTLY FOR INSTITUTIONAL INVESTORS ONLY

One-on-one use only. Please read the important disclosure at the back of this material.

This strategy is offered by Newton Investment Management Ltd ('NIM'). NIM, along with its affiliates, Newton Investment Management North America, LLC ('NIMNA') and Newton Investment Management Japan Limited ('NIMJ'), form the Newton Investment Management Group ('Newton'). This material is approved for one-on-one presentation and authorized individuals only to financial institutions or other qualified, sophisticated individuals. Accordingly, this material is not to be reproduced in whole or in part or used for any other purpose except as authorized by Newton.

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DATA CLASSIFICATION: CONFIDENTIAL

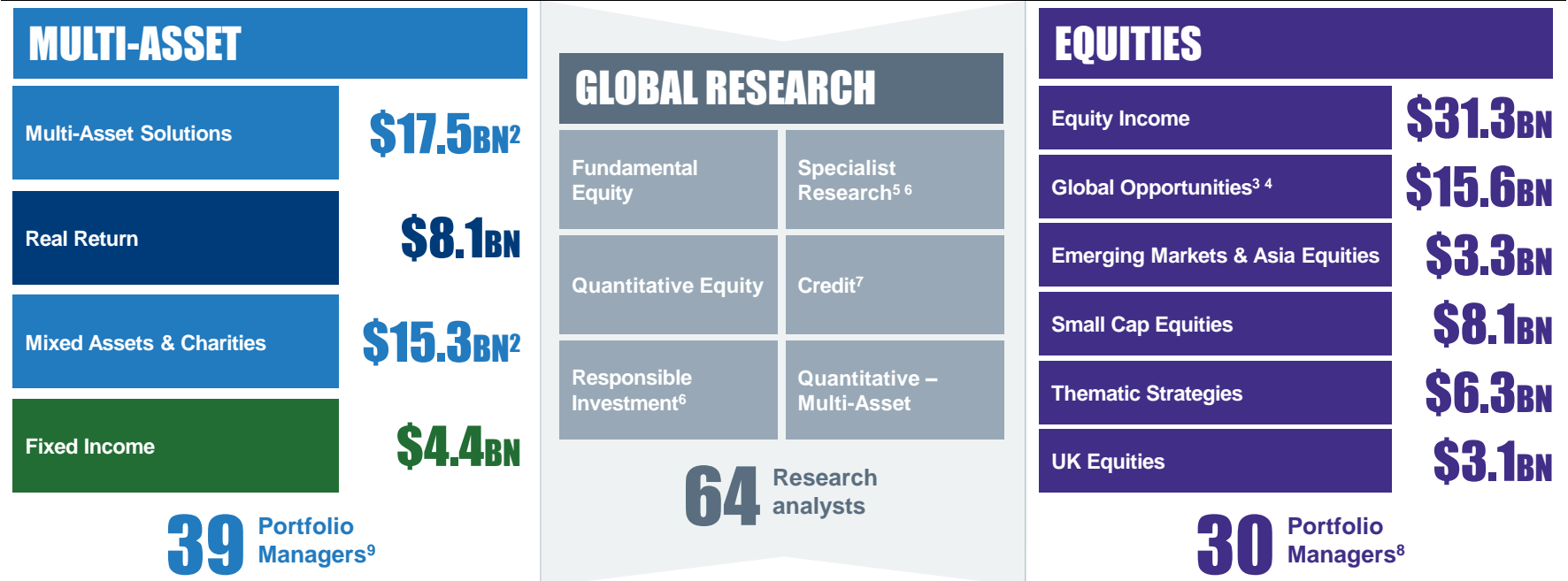


# Newton Investment Management Group

Assets under management

4.2

## c.130 INVESTMENT PROFESSIONALS<sup>1</sup> MANAGING \$110BN<sup>2</sup>



## ABOVE INCLUDES \$5.6BN IN SUSTAINABLE STRATEGIES<sup>10</sup>

Notes: <sup>1</sup> The number of investment professionals excludes CEO; <sup>2</sup> Newton's global AUM is adjusted lower to factor in any double counting of affiliate fund or fund-of-fund assets which can occur when a Newton multi-asset strategy invests in a BNY Mellon fund, that is sub-advised by Newton. At end March 2024, total assets invested by Newton multi-asset strategies on this basis was \$3.5bn. To avoid double counting we extract these assets from Newton's global AUM, which results in a total global AUM of \$109.7bn for Newton. Mixed Assets and Charities team assets of \$15.3bn includes \$2.0bn of this form of double-counted assets. Multi-Asset Solutions team assets of \$17.5bn includes \$1.5 of this form of double-counted assets. The AUM includes assets under advisement (AUA) for a model of securities that the Firm does not arrange or effect the purchase or sale of securities. <sup>3</sup> Includes Sustainable Equities; <sup>4</sup> Includes one portfolio manager who runs both global equity and multi-asset portfolios; <sup>5</sup> Includes thematic, investigative, private markets; <sup>6</sup> Includes additional employees of BNY Mellon Operations India who provide support from Pune, India. These individuals are not included in Newton investment team numbers; <sup>7</sup> Includes an employee of BNY Mellon IM Singapore who provides support to the NIM team as geopolitical analyst and two people that perform both portfolio management and research roles; <sup>8</sup> Includes three portfolio analysts; <sup>9</sup> Includes one macroeconomist / strategist, three people that perform both portfolio management and research roles, one portfolio analyst and three investment strategists. Desk asset totals may include portfolios where team members from different investment desks may also act in a lead or alternate capacity; <sup>10</sup> Strategies categorised as sustainable investing under the BNY Mellon Investment Management responsible investment framework.

Source: Newton group of companies, 31 March 2024. Newton global assets under management (AUM) is the combined total assets under management of Newton Investment Management Limited ('NIM'), Newton Investment Management North America LLC ('NIMNA') and Newton Investment Management Japan Limited ('NIMJ') as calculated as at 31 March 2024. In addition, Newton's global AUM includes assets of bank-maintained collective investment funds for which Newton has been appointed sub-advisor or in limited instances, where Newton personnel act as dual officers of affiliated companies.



# Newton Global Real Return Team

4.2

## Multidimensional Research

15 years' average investment experience  
9 years' average tenure at firm

Fundamental Equity

Quantitative Equity

Quantitative Multi-Asset

Specialist

Responsible Investment

Credit

**19** years' average investment experience

**14** years' average tenure at firm



**Andy Warwick**  
CFA, MSc  
Co-head of Real Return



**Aron Pataki**  
MBA, MSc, IMC  
Co-head of Real Return



**Matthew Brown**  
CFA



**Philip Shucksmith**  
CFA



**Chris King**  
IMC



**Lars Middleton**



**Brendan Mulhern**<sup>2</sup>



**Aaron Sinadjan**<sup>3</sup>  
IMC



**Catherine Doyle**<sup>4</sup>  
CFA, CAIA

## Portfolio Managers

22 years' average investment experience  
13 years' average tenure at firm

Equity Income

Global Opportunities<sup>1</sup>

Small Cap Equities

Emerging Markets & Asia Equities

UK Equities

**Real Return**

Mixed Assets & Charities

Multi-Asset Solutions

Fixed Income

Notes: <sup>1</sup> Includes Sustainable Equities; <sup>2</sup> Desk-based macroeconomist / strategist; <sup>3</sup> Desk-based analyst; <sup>4</sup> Investment specialist / client portfolio manager, not included in the calculation of team average numbers.

Source: Newton group of companies, 31 March 2024. Years' investment experience and tenure at firm are team average numbers as at 31 March 2024, with years at firm relating to tenure at Newton and/or Mellon Investments Corporation.

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**Single investment team,  
interactive and collaborative approach**



## Newton Global Real Return strategy

4.2

An unconstrained  
multi-asset  
approach

**NEWTON  
GLOBAL  
REAL  
RETURN  
STRATEGY**

Long-term  
objective  
SOFR (30-day  
compounded)  
+4% p.a.<sup>1</sup>

- Strong heritage of managing multi-asset portfolios
- An experienced team, focused on meeting return objective
- Fundamental analysis of securities

**Our investment philosophy: seeking to deliver a real return with reduced volatility through**



**Security  
selection**



**Asset type  
flexibility**



**Emphasis on  
capital preservation**

Notes:

<sup>1</sup> The strategy aims to deliver a minimum return of cash (SOFR (30-day compounded)) +4% p.a. over five years before fees. In doing so, the strategy aims to achieve a positive return on a rolling three-year basis. However, a positive return is not guaranteed and a capital loss may occur. Please note that on 1 November 2021 the performance benchmark for this strategy changed from 1-month USD LIBOR +4% to SOFR (30-day compounded) +4%..

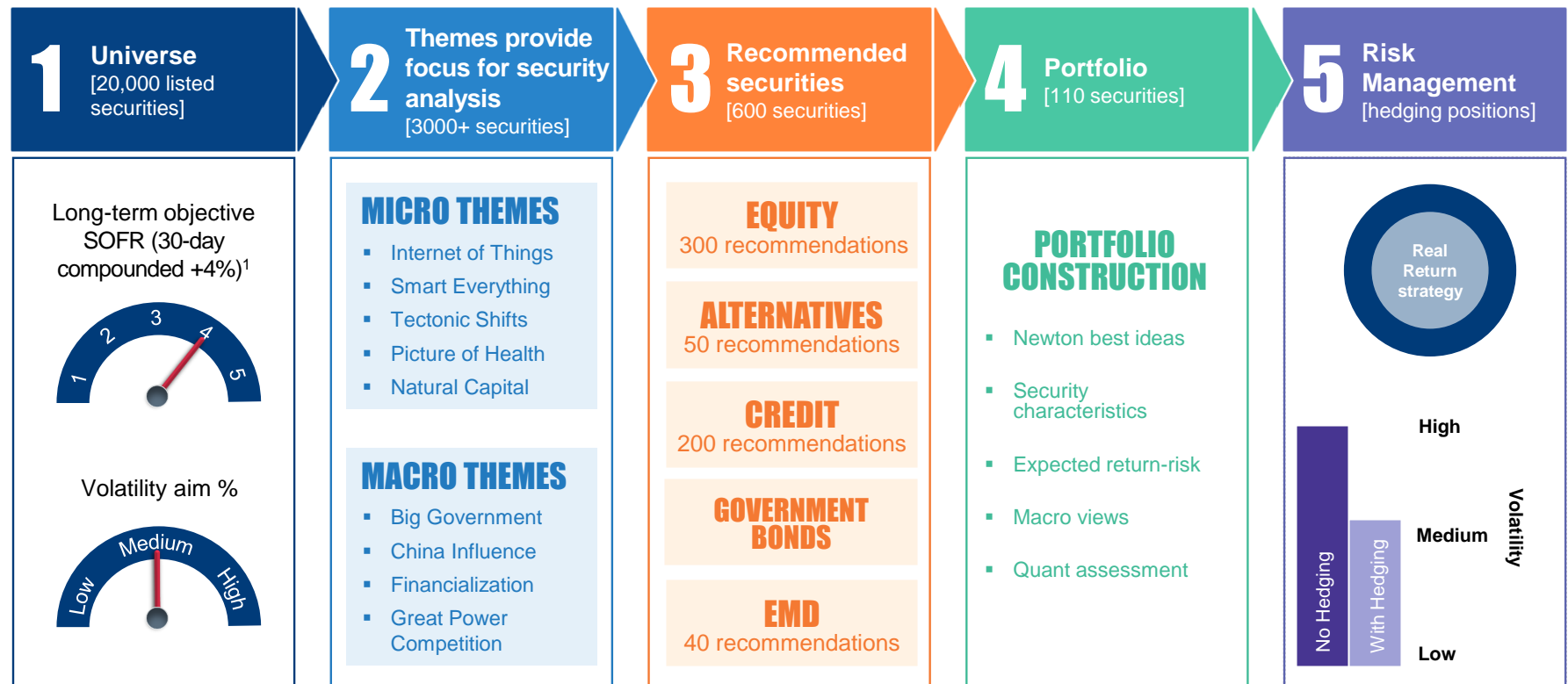
**Balancing participation  
with capital preservation**



# NEWTON The process

Investment  
Management

4.2



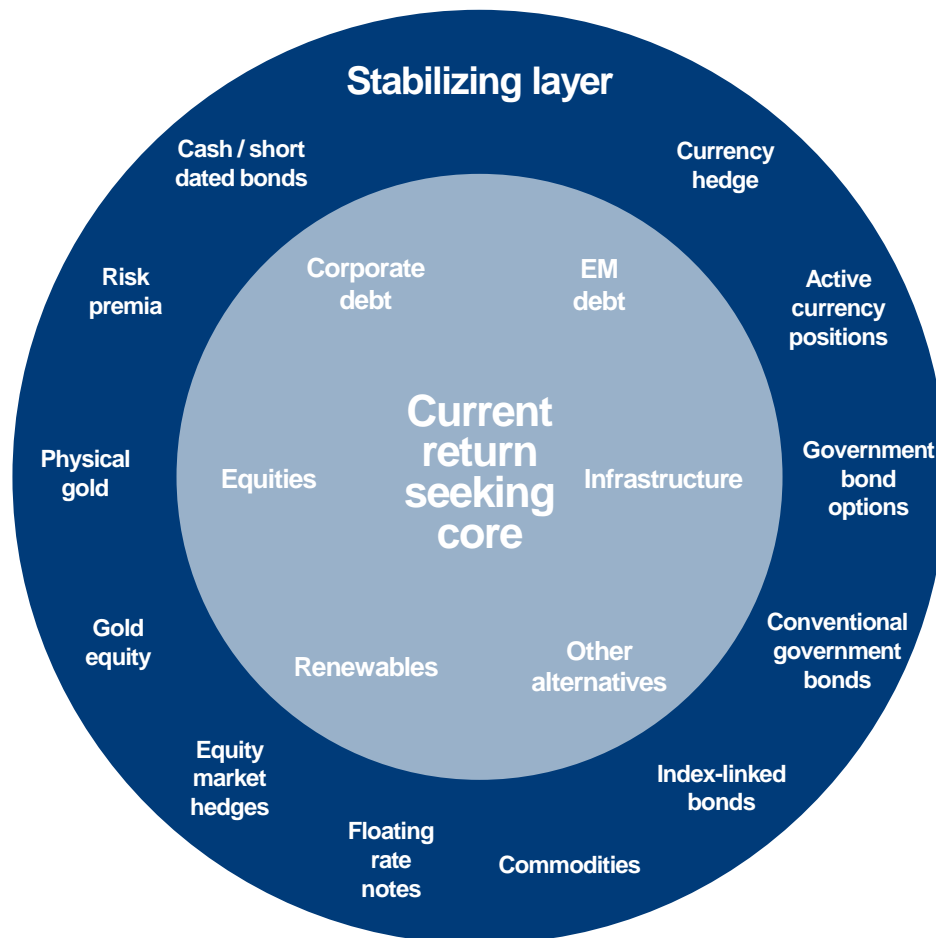
Note: <sup>1</sup> The strategy aims to deliver a minimum return of cash (SOFR (30-day compounded)) +4% p.a. over five years before fees. In doing so, the strategy aims to achieve a positive return on a rolling three-year basis. However, a positive return is not guaranteed and a capital loss may occur. Please note that on 1 November 2021 the performance benchmark for this strategy changed from 1-month USD LIBOR +4% to SOFR (30-day compounded) +4%. For illustrative purposes only. Newton, in its discretion, may utilize any or all of the methods described.

**Robust, structured, repeatable**



## Real Return: a conceptual representation

4.2



- Single portfolio approach constructed with two distinct layers
- A return seeking core with specific security characteristics
- A stabilizing layer, designed to reduce overall portfolio risk, smooth fund volatility and produce a positive return in times of market stress
- Portfolio combines the characteristics of both securities and asset classes

For illustrative purposes only. Newton, its discretion, may utilize any or all of the methods described.

***A flexible, transparent portfolio***



## Newton team

4.2



**Philip Shucksmith**  
Portfolio manager, Real Return team

Philip is a global portfolio manager with a focus on sustainable investment and responsibility for the Newton Future Earth strategy and Newton Sustainable Real Return strategy.

Philip works as part of the Real Return team, collaborating closely with Newton's analysts to find investment ideas that bring a differentiated return profile to the portfolio and benefit from a strong thematic tailwind. Philip works closely with the responsible investment team on engagement with the companies we are invested in and leverages those interactions to help steer sustainable investment idea generation for the portfolio.

Philip joined the Real Return team in 2008, is a CFA<sup>1</sup> charterholder, and is a co-lead manager of the Newton Sustainable Real Return strategy and Future Earth strategy.

Outside of work, Phillip enjoys racing mountain bikes, although the realities of parenthood mean that his immediate focus is on micro scooter racing, as that is all his children want to do.

**Joined Newton:** 2008  
**Joined industry:** 2008



**Catherine Doyle**  
Investment specialist, Real Return team

Catherine Doyle joined Newton in 2008 and is an investment specialist within the Real Return team. Catherine began her career as a global equity analyst before moving into a client-facing role in the institutional area, more latterly focusing on the investment needs of Defined Contribution schemes.

Catherine is a CFA<sup>1</sup> and CAIA<sup>2</sup> charterholder, has an MBA from Profingest Business School, Bologna and graduated from Kings College, London with a BA in French. She also holds the CFA1 ESG Certificate. Catherine speaks French and Italian, enjoys gemmology and is an accomplished violinist.

**Joined Newton:** 2008  
**Joined industry:** 2000

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# Newton Global Real Return (USD) Composite

## Annual disclosure

4.2

Year end	Total firm assets (USD millions)	Composite assets			Annual performance (in USD terms)				3-year ex-post risk statistics (gross of fees)		
		USD (millions)	% of firm assets	Number of accounts	Composite total return, gross %	Composite total return, net %	Primary benchmark total return %	Composite dispersion %	Composite standard deviation %	Benchmark standard deviation %	Information ratio
2014	78,306	1,273	1.63	5 or fewer	4.34	3.57	4.15	–	4.27	0.01	0.25
2015	68,359	1,536	2.25	5 or fewer	1.16	0.40	4.23	–	4.42	0.02	-0.04
2016	64,830	2,562	3.95	5 or fewer	3.31	2.54	4.55	–	5.16	0.05	-0.27
2017	72,840	2,655	3.65	5 or fewer	5.23	4.45	5.20	–	5.10	0.12	-0.28
2018	59,495	2,396	4.03	5 or fewer	2.04	1.28	6.17	–	5.03	0.20	-0.35
2019	65,965	4,035	6.12	5 or fewer	13.01	12.17	6.36	–	3.89	0.17	0.20
2020	62,857	4,869	7.75	5 or fewer	10.77	9.95	4.58	–	7.46	0.25	0.37
2021	64,924	5,509	8.49	5 or fewer	7.87	7.07	3.97	–	7.95	0.30	0.70
2022	47,974	4,633	9.66	5 or fewer	-7.82	-8.50	5.44	–	8.64	0.29	-0.16
2023	45,762	2,368	5.17	5 or fewer	3.14	2.37	8.96	–	6.68	0.36	-0.74

### The Firm

'Newton' and/or the 'Newton Investment Management' brand refers to the following group of affiliated companies: Newton Investment Management Limited and Newton Investment Management (North America) LLC (NIMNA LLC). In the UK, NIMNA LLC is authorized and regulated by the Financial Conduct Authority in the conduct of investment business and is a wholly owned subsidiary of The Bank of New York Mellon Corporation. Registered in England no. 2675952. NIMNA LLC is registered with the SEC as an investment adviser under the Investment Advisers Act of 1940. NIMNA LLC's investment business is described in Form ADV, Part 1 and 2, which can be obtained from the SEC.gov website or obtained upon request. Assets under management include assets managed by Newton Investment Management Ltd and NIMNA LLC.

### Compliance statement

Newton claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Newton has been independently verified for the periods 1996 to 2022. The verification reports are available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

### Composite

Newton Global Real Return (USD) Composite contains fully discretionary portfolios which have an unconstrained multi-asset investment mandate which has an absolute return style performance aim, while seeking to preserve capital, through security selection, diversification and simple hedging strategies and for comparison purposes is measured against SOFR (30-day compounded) +4% per annum. Please note that on 1 November 2021 the

performance benchmark for this strategy changed from 1-month USD LIBOR +4% to SOFR (30-day compounded) +4%. All past performance prior to this date was calculated against 1-month USD LIBOR +4%.

### Benchmark

SOFR (30-day compounded) +4% per annum.

Please note that on 1 November 2021 the performance benchmark for this strategy changed from 1-month USD LIBOR +4% to SOFR (30-day compounded) +4%. All past performance prior to this date was calculated against 1-month USD LIBOR +4%.

### Calculation methodology

Returns are presented gross of fees. Gross returns are gross of management fees, custodial fees, and net of withholding taxes and all trading expenses. All returns are net of withholding taxes. Past performance does not guarantee future results. Further information regarding the exchange rates used is available upon request.

### Fees

Model fees are applied. The fee schedule appropriate for this presentation starts at 0.75%; however, individual fees are negotiated on an account-by-account basis.

### Dispersion

Dispersion is calculated using the equal weighted standard deviation of annual gross fund returns included in the composite where there are six or more composite members for the entire year.

### List of composites

A list of composite descriptions as well as a list of broad distribution pooled funds and additional information regarding the firm's policies and procedures for valuing investments, calculating performance and preparing GIPS reports are available upon request.

Composite inception date: 30 June 2009. Composite creation date: 30 June 2009.

– = Not statistically meaningful due to insufficient number of portfolios in the composite for the entire year.

n/a = the three-year ex-post risk statistics are not presented because the composite does not yet have 36 monthly returns as of this date.

**Source:** Newton, 31 December 2023. Composite performance calculated as close of business prices, total return, income reinvested, gross of fees, in USD. Net of fees performance quoted with 0.75% annual management charges. Performance is stated gross of management fees. The impact of management fees can be material. A fee schedule providing further detail is available on request.

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# Key investment risks

## Newton Global Real Return Strategy (USD)

4.2

- **Past performance is not a guide to future performance. Your capital may be at risk. The value of investments and the income from them can fall as well as rise and investors may not get back the original amount invested. Tax treatment depends on the individual circumstances of each client and may be subject to change in the future. Newton is not a tax expert and independent tax and/or legal advice should be sought.**
- **Performance Aim Risk:** The performance aim is not a guarantee, may not be achieved and a capital loss may occur. Strategies which have a higher performance aim generally take more risk to achieve this and so have a greater potential for returns to vary significantly.
- **Currency Risk:** This strategy invests in international markets which means it is exposed to changes in currency rates which could affect the value of the strategy.
- **Derivatives Risk:** Derivatives are highly sensitive to changes in the value of the asset from which their value is derived. A small movement in the value of the underlying asset can cause a large movement in the value of the derivative. This can increase the sizes of losses and gains, causing the value of your investment to fluctuate. When using derivatives, the strategy can lose significantly more than the amount it has invested in derivatives.
- **Changes in Interest Rates & Inflation Risk:** Investments in bonds/money market securities are affected by interest rates and inflation trends which may negatively affect the value of the strategy.
- **Credit Ratings and Unrated Securities Risk:** Bonds with a low credit rating or unrated bonds have a greater risk of default. These investments may negatively affect the value of the strategy.
- **Credit Risk:** The issuer of a security held by the strategy may not pay income or repay capital to the strategy when due.
- **Emerging Markets Risk:** Emerging Markets have additional risks due to less-developed market practices.
- **Liquidity Risk:** The strategy may not always find another party willing to purchase an asset that the strategy wants to sell which could impact the strategy's ability to sell the asset or to sell the asset at its current value.
- **Shanghai-Hong Kong Stock Connect and/or the Shenzhen-Hong Kong Stock Connect ('Stock Connect') risk:** The strategy may invest in China A shares through Stock Connect programmes. These may be subject to regulatory changes and quota limitations. An operational constraint such as a suspension in trading could negatively affect the strategy's ability to achieve its investment objective.
- **CoCos Risk:** Contingent Convertible Securities (CoCos) convert from debt to equity when the issuer's capital drops below a pre-defined level. This may result in the security converting into equities at a discounted share price, the value of the security being written down, temporarily or permanently, and/or coupon payments ceasing or being deferred.
- **Counterparty Risk:** The insolvency of any institutions providing services such as custody of assets or acting as a counterparty to derivatives or other contractual arrangements, may expose the strategy to financial loss.
- **Investment in Infrastructure Companies Risk:** The value of investments in Infrastructure Companies may be negatively impacted by changes in the regulatory, economic or political environment in which they operate.

Source: Newton, 2024.



## Important information

### For US investors

4.2

For Institutional Clients Only. Issued by Newton Investment Management North America LLC ('NIMNA' or the 'Firm').

NIMNA is a registered investment adviser with the US Securities and Exchange Commission ('SEC') and subsidiary of The Bank of New York Mellon Corporation ('BNY Mellon'). The Firm was established in 2021, comprised of equity and multi-asset teams from an affiliate, Mellon Investments Corporation. The Firm is part of the group of affiliated companies that individually or collectively provide investment advisory services under the brand 'Newton' or 'Newton Investment Management'. Newton currently includes NIMNA and Newton Investment Management Ltd. ('NIM') and Newton Investment Management Japan Limited ('NIMJ').

The Firm's assets under management, client and employee counts are as of the most recent quarter end, unless noted otherwise. Where applicable, assets under management include discretionary and non-discretionary assets, the notional value of overlay strategies, assets of bank-maintained collective investment funds for which NIMNA has been appointed sub-advisor, assets managed by investment personnel acting in their capacity as officers of affiliated entities and assets under advisement for a model of securities which the Firm does not arrange and as to which we do not affect the purchase or sale of securities. Newton's assets under management include assets collectively managed by NIM and NIMNA.

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Statements are current as of the date of the material only. Any forward-looking statements speak only as of the date they are made, and are subject to numerous assumptions, risks, and uncertainties, which change over time. Actual results could differ materially from those anticipated in forward-looking statements.

The following provides a simplified example of the cumulative effect of management fees on investment performance: An annual management fee of 0.80% applied over a five-year period to a \$100 million portfolio with an annualized gross return of 10% would reduce the value of the portfolio from \$161,051,000 to \$154,783,041. The actual investment advisory fees incurred by clients may vary depending on account size, structure, cash flow and other account-specific factors. Newton's standard fees are shown in Part 2A of its Form ADV.

No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment. Past results are not indicative of future performance and are no guarantee that losses will not occur in the future. Future returns are not guaranteed and a loss of principal may occur.

Performance is expressed in U.S. dollars unless noted otherwise. Performance results for one year and less are not annualized. Many factors affect performance including changes in market conditions and interest rates and in response to other economic, political, or financial developments. Performance presented for measurement periods prior to September 1, 2021 represents the performance of the strategy when managed at Mellon Investments Corporation ('Mellon'), an affiliate of NIMNA. Performance presented for measurement periods prior to February 1, 2018 represents the portable performance results of a prior affiliated firm. Mellon was formed on January 31, 2018, through the merger of The Boston Company and Standish into Mellon Capital.

To derive Ten Largest Holdings, Characteristics, Economic Sector Weightings, Country Weightings and Portfolio Holdings for presentation purposes, a representative institutional account ('Account') has been identified to be used as a proxy for the strategy. The information provided in this document should not be considered a recommendation to purchase or sell any particular security.

There is no assurance that any securities discussed herein will remain in an account's portfolio at the time you receive this report or that securities sold have not been repurchased. The securities discussed do not represent an Account's entire portfolio and in the aggregate may represent only a small percentage of an Account's portfolio holdings. It should not be assumed that any of the securities transactions or holdings discussed were or will prove to be profitable, or that the investment recommendations or decisions we make in the future will be profitable or will equal the investment performance of the securities discussed herein.

Newton manages a variety of investment strategies. How ESG analysis is integrated into Newton's strategies depends on the asset classes and/or the particular strategy involved. Newton does not currently view certain types of investments as presenting ESG risks and opportunities and believes it is not practicable to evaluate such risks and opportunities for certain other investments. Where ESG is considered, other attributes of an investment may outweigh ESG considerations when making investment decisions.

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Newton does not consider Investment Analytics to meet the definition of performance as defined in 206(4)-1(e). Investment Analytics are usually utilized as evaluation tools, both by internal portfolio management teams along with clients, to better understand drivers of performance returns however they are not considered actual performance returns. Gross performance data is used to derive at Investment Analytics. Investment Analytics would include but not limited to: Attribution which shows contribution of returns at difference classifications; Top xx / Bottom xx Contributors (with xx being any number less than the half of the holdings in a portfolio); Ex-post risk statistics (such as tracking error, information ratio, standard deviation of returns). Note: Classifications used in attribution can include but not limited to: Sector / Industry / Sub-Industry; Geographical (for example country, region); Market Cap.

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

5

**NAME OF ITEM:** Defined Contribution Plans – Quarterly Review

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:** X

**BOARD ACTION:**

**BOARD POLICY:**

Section 709 – Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System’s employee defined contribution plan.

**BACKGROUND:**

Michael Pratico and Barry Schmitt, Senior Vice Presidents with CAPTRUST Financial Advisors, will provide an update for the Defined Contribution Plan for the quarter ended March 31, 2024, at the May 16, 2024 Investment Committee meeting.

05/07/2024

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

**NAME OF ITEM:** Terminated Participants - Small Balance Payout Increase to \$7,000 Threshold

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:**

**BOARD ACTION:** X

**BOARD POLICY:**

Section 709 - Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System's (UMS) Defined Contribution Plan.

**BACKGROUND:**

This is a follow up to the discussion at the last meeting.

Certain defined contribution plan attributes make plans less efficient and more expensive to administer compared to plans of similar size. Small participant balances is one such area and often occurs when an individual terminates employment after having worked only for a short period. Standard practice for the University of Maine System and similar organizations is to pay out such balances to improve the financial health of the program.

The University works with TIAA to close out applicable contracts for those terminated employees who have a plan balance with mutual fund assets of \$5,000 or less. The process includes TIAA:

- Notifying participants about various options that include consolidating plan balances if applicable, rolling to an Individual Retirement Account (IRA) of the participant's choosing, rolling to another employer-sponsored retirement plan, or receiving a cash distribution.
- If the participant selects none of the above options then, by default, TIAA will roll the small balance funds to an IRA at Inspira Financial Trust LLC (previously named Millennium Trust Company LLC).

Effective December 2022, SECURE Act 2.0 increased the statutory limit for mandatory cash-outs from \$5,000 to \$7,000 for distributions made after December 31, 2023.

**TEXT OF PROPOSED RESOLUTION:**

That the Board of Trustees, acting through the Investment Committee, approves increasing the small balance threshold amount to \$7,000 effective January 1, 2024.

5/7/2024

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

**NAME OF ITEM:** Defined Contribution Plans – Fee Benchmarking and Share Class Analysis

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:** X

**BOARD ACTION:**

**BOARD POLICY:**

Section 709 – Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System’s employee Defined Contribution Plans.

**BACKGROUND:**

Mike Pratico and Barry Schmitt will provide an updated Fee Benchmark report and Share Class Analysis related to the Defined Contribution Plans.

Attachment

[DC Plans Fee Benchmark](#)



## VENDOR FEE BENCHMARK

---

7.1

### UNIVERSITY OF MAINE SYSTEM

May 2024

**Barron (Barry) V. Schmitt**

Principal | Financial Advisor

**Michael S. Pratico**

Principal | Financial Advisor



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- I. Executive Summary
- II. Expenses
- III. Fee Comparison
- IV. Summary

7.1

## EXECUTIVE SUMMARY

**Broad-based Provider Experience**

CAPTRUST's expertise is derived from over 3,400 institutional client relationships which spread across an extensive range of retirement plan service providers. In addition to day-to-day client related interactions, we also continuously monitor developments in the provider space as well as conduct in-depth meetings and annual due diligence.

Alight	Fidelity Investments	PNC Bank
ADP Retirement Services	Findley	Principal Financial Group
American Funds	John Hancock Retirement Plan Services	Schwab Retirement Services
Ascensus Retirement Services	JPMorgan Retirement Plan Services	Sentinel Benefits
Bank of America	JULY Business Services	The Standard
Benefit Plans Administrative Services	Lincoln Financial Group	State Street Corporation
BNY Mellon	Milliman	T. Rowe Price
BOK Financial	MissionSquare	TIAA
Comerica	Nationwide	Transamerica
Corebridge Financial	Northern Trust	US Bank
CUNA Mutual	OneAmerica	Vanguard
Empower Retirement	Paychex	Voya Financial

## EXECUTIVE SUMMARY

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### Meeting Your Fiduciary Responsibilities

The monitoring of fees for your plan(s) service providers is a fiduciary function.

Fiduciaries are tasked with the responsibility of acting solely in the interest of plan participants and their beneficiaries with the exclusive purpose of providing benefits to those individuals.

It is critical that fiduciaries maintain documentation of the process used for identifying and monitoring their plan expenses.

Plan Sponsors are not obligated to choose the lowest-cost provider, but rather to ensure that fees are reasonable considering the services being provided.

This analysis will assist with the fulfillment of your fiduciary responsibilities in this regard. In the pages to follow, we will demonstrate a documented process, the identification of plan expenses, and whether the costs are reasonable.

#### FIDUCIARY DUTIES

Identify plan expenses

Ensure costs are reasonable

Document the process

**7.1**

## EXECUTIVE SUMMARY

## Plan Information Summary

Common drivers of pricing include plan assets, average account balance, number of participants, participation rate, cash flow, and administrative complexity. The below information was considered by prospective provider candidates when preparing their proposals.

## GENERAL

Current Provider	TIAA
# Of Plans	6
Plan Type	403(b)
Combined Plan Assets as of 3.31.24	\$1.92 billion

## PARTICIPATION

Combined Participants with Balances	10,836
Average Account Balance	\$177,500

7.1

## EVALUATION

## Evaluating Provider Fees

Providers quote their fees differently. We have identified all fees and expenses and quantified them in a format that is easy to compare.

Mutual fund fees are charged in the form of expense ratios. Investment fund companies are permitted to rebate some of their fees to other plan service providers through transactions that are referred to as revenue sharing. Revenue sharing can be used to directly offset the administrative expenses of the plan.

Plan expenses are usually broken down into two categories: investment management and administrative expenses.

For purposes of this analysis, we have compared the administrative expenses of each prospective provider regardless of fund selection. However, an illustrative total cost is given based on a sample fund line-up to aid in the comparison. It is also important to note that varying revenue sharing agreements exist among providers.

Administrative expenses can be quoted as an asset based or per participant fee. Expenses can be paid by 1) the revenue sharing allotted; 2) billing to the participants from plan assets; 3) billing to the plan sponsor; or 4) a combination of these three options.

**Investment Management Expenses** are purely the costs of managing the fund, and revenue sharing is excluded.

**Administrative Expenses** are the costs associated with keeping the records of participants accounts and the services the provider offers to the plan.

7.1

## EXPENSES

## Combined Expense Analysis – 3.31.24

<u>Allocation Tier</u>				<u>Total Cost</u>		<u>Recordkeeper Cost</u>	
<u>Asset Class</u>	<u>Investment Name</u>	<u>Value</u>	<u>% Assets</u>	<u>Expense Ratio</u>		<u>Revenue Share</u>	
				<u>%</u>	<u>\$</u>	<u>%</u>	<u>\$</u>
Moderate Allocation	CREF Social Choice R4	\$30,602,424	1.59%	0.07%	\$19,892	0.00%	\$0
Target-Date Retirement	Vanguard Target Retirement Income Fund	\$16,461,411	0.86%	0.08%	\$13,169	0.00%	\$0
Target-Date 2020	Vanguard Target Retirement 2020 Fund	\$22,741,358	1.18%	0.08%	\$18,193	0.00%	\$0
Target-Date 2025	Vanguard Target Retirement 2025 Fund	\$38,933,936	2.03%	0.08%	\$31,147	0.00%	\$0
Target-Date 2030	Vanguard Target Retirement 2030 Fund	\$35,733,750	1.86%	0.08%	\$28,587	0.00%	\$0
Target-Date 2035	Vanguard Target Retirement 2035 Fund	\$41,940,764	2.18%	0.08%	\$33,553	0.00%	\$0
Target-Date 2040	Vanguard Target Retirement 2040 Fund	\$47,594,452	2.48%	0.08%	\$38,076	0.00%	\$0
Target-Date 2045	Vanguard Target Retirement 2045 Fund	\$37,677,073	1.96%	0.08%	\$30,142	0.00%	\$0
Target-Date 2050	Vanguard Target Retirement 2050 Fund	\$30,864,959	1.61%	0.08%	\$24,692	0.00%	\$0
Target-Date 2055	Vanguard Target Retirement 2055 Fund	\$14,759,705	0.77%	0.08%	\$11,808	0.00%	\$0
Target-Date 2060	Vanguard Target Retirement 2060 Fund	\$5,140,638	0.27%	0.08%	\$4,113	0.00%	\$0
Target-Date 2065+	Vanguard Target Retirement 2065 Fund	\$1,538,638	0.08%	0.08%	\$1,231	0.00%	\$0
Target-Date 2065+	Vanguard Target Retirement 2070 Fund	\$250,611	0.01%	0.08%	\$200	0.00%	\$0
<b>Allocation Total</b>		<b>\$324,239,720</b>	<b>16.87%</b>	<b>0.08%</b>	<b>\$254,801</b>	<b>0.00%</b>	<b>\$0</b>

<u>Passive Tier</u>				<u>Total Cost</u>		<u>Recordkeeper Cost</u>	
<u>Asset Class</u>	<u>Investment Name</u>	<u>Value</u>	<u>% Assets</u>	<u>Expense Ratio</u>		<u>Revenue Share</u>	
				<u>%</u>	<u>\$</u>	<u>%</u>	<u>\$</u>
Intermediate Core Bond	Vanguard Total Bond Market Index I	\$18,630,493	0.97%	0.04%	\$6,521	0.00%	\$0
Large Blend	Vanguard Institutional Index I	\$96,858,661	5.04%	0.04%	\$33,901	0.00%	\$0
Mid-Cap Blend	Vanguard Extended Market Index Instl	\$25,765,626	1.34%	0.05%	\$12,883	0.00%	\$0
Foreign Large Blend	Vanguard Total Intl Stock Index I	\$38,829,577	2.02%	0.09%	\$34,947	0.00%	\$0
<b>Passive Total</b>		<b>\$180,084,358</b>	<b>9.37%</b>	<b>0.05%</b>	<b>\$88,251</b>	<b>0.00%</b>	<b>\$0</b>

## EXPENSES

## Combined Expense Analysis – 3.31.24

Active Tier				Total Cost		Recordkeeper Cost	
Asset Class	Investment Name	Value	% Assets	Expense Ratio		Revenue Share	
				%	\$	%	\$
Money Market	Vanguard Federal Money Market Investor	\$25,683,614	1.34%	0.11%	\$28,252	0.00%	\$0
Stable Value	TIAA Traditional - Group Retirement Annuity	\$506,135,360	26.34%	0.00%	\$0	0.15%	\$759,203
Inflation Protected Bond	CREF Inflation-Linked Bond Account R4	\$8,562,612	0.45%	0.05%	\$3,853	0.00%	\$0
Intermediate Core-Plus Bond	PGIM Total Return Bond R6	\$57,039,301	2.97%	0.39%	\$222,453	0.00%	\$0
Private Real Estate	TIAA Real Estate Account	\$55,047,312	2.86%	0.24%	\$132,114	0.24%	\$132,114
Large Company Value	JPMorgan Equity Income R6	\$74,295,787	3.87%	0.45%	\$334,331	0.00%	\$0
Large Company Growth	Harbor Capital Appreciation Retirement	\$42,219,718	2.20%	0.60%	\$253,318	0.00%	\$0
Medium Company Value	Victory Sycamore Established Value R6	\$26,557,487	1.38%	0.54%	\$143,410	0.00%	\$0
Medium Company Growth	MFS Mid Cap Growth R6	\$16,436,335	0.86%	0.66%	\$108,480	0.00%	\$0
Global Large Stock Blend	CREF Stock R4	\$27,046,648	1.41%	0.12%	\$31,104	0.00%	\$0
Foreign Large Blend	American Funds Europacific Growth R6	\$38,629,201	2.01%	0.47%	\$181,557	0.00%	\$0
Foreign Large Blend	MFS International Intrinsic Value R6	\$27,001,571	1.41%	0.67%	\$180,911	0.00%	\$0
Small Company Value	Victory Sycamore Small Company Opp I	\$23,098,806	1.20%	0.89%	\$205,579	0.10%	\$23,099
Small Company Growth	MassMutual Small Cap Gr Eq I	\$5,990,118	0.31%	0.87%	\$52,114	0.00%	\$0
Active Total		\$933,743,870	48.59%	0.20%	\$1,877,476	0.10%	\$914,415

Other			
Asset Class	Investment Name	Value	% Assets
Other Assets	Frozen Funds	\$439,601,078	22.87%
Self-Directed Brokerage	Self Directed Accounts	\$44,133,306	2.30%
Loans	Default Loan	\$75,248	0.00%
Loans	Loan Balance	\$1,651,749	0.09%
Loans	Loan Deemed	\$170,700	0.01%
Loans	Loan Fund	\$375,395	0.02%

Plan Totals	\$1,921,802,331	100%	0.12%	\$2,220,528	0.05%	\$914,415
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\*Plan Totals exclude loan assets

\*\$49 / Per Participant (10,836)

Revenue Credit:	-0.01%	-\$177,567	-0.01%	-\$177,567
Admin Fee:	-0.01%	-\$205,884	-0.01%	-\$205,884
<b>Total Recordkeeper Cost:</b>			<b>0.0276%</b>	<b>\$530,964</b>
<b>Total Plan Cost:</b>	<b>0.10%</b>	<b>\$1,837,077</b>		



## SAMPLE EXPENSE RANGES FOR SIMILAR PLANS

7.1

## University Of Maine System

Combined 403(b) Plan	
Plan Assets	\$1.92 billion
Participants	10,836
Avg. Balance	\$177,500
Total RK/Admin. Fees	0.0276%
Per Head Fee	\$49

## Sample Plans (CAPTRUST Clients)

Sample Plan A		Sample Plan B		Sample Plan C		Sample Plan D	
Plan Assets	\$1.3 billion	Plan Assets	\$2.0 billion	Plan Assets	\$3.0 billion	Plan Assets	\$2.5 billion
Participants	6,915	Participants	12,961	Participants	12,829	Participants	12,964
Avg. Balance	\$187,200	Avg. Balance	\$154,300	Avg. Balance	\$229,800	Avg. Balance	\$194,800
TIAA Bid	0.028%	TIAA Bid	0.05%	TIAA Bid	0.043%	TIAA Bid	0.04%
TIAA Per Head Fee	\$52	TIAA Per Head Fee	\$73	TIAA Per Head Fee	\$99	TIAA Per Head Fee	\$78

Source: CAPTRUST Institutional Client Data - 2024

## FEE BENCHMARK SUMMARY

## Conclusions

- Identified total weighted plan cost of \$1,837,077 (or 0.10% of plan assets), with current administration & recordkeeping revenue at \$530,964 or \$49 per head (0.0276% of plan assets).
- Benchmarking the current plan expenses against the CAPTRUST database, administrative fees for comparable sized plans range from \$52 to \$99.
- Based on the plan demographic information utilized to benchmark the plan against the industry, current fees are below the current benchmark range.



7.1

University of Maine System  
Board of Trustees

**AGENDA ITEM SUMMARY**

**NAME OF ITEM:** Defined Contribution Plans Investment Policy Statement

**INITIATED BY:** Kelly A. Martin, Chair

**BOARD INFORMATION:**

**BOARD ACTION:** X

**BOARD POLICY:**

Section 709 – Investments

**UNIFIED ACCREDITATION CONNECTION:**

Supports central management and oversight of the University of Maine System’s employee Defined Contribution Plans.

**BACKGROUND:**

Periodically reviewing the Investment Policy Statement (IPS) to determine if changes are needed or warranted is prudent and a fiduciary best practice. Mike Pratico and Barry Schmitt, with CAPTRUST, will discuss and request that the Committee re-affirm the current IPS with no changes needed or warranted. The IPS and the Monitoring (Scoring) System Methodology are included in the meeting materials for Committee review.

**TEXT OF PROPOSED RESOLUTION:**

That the Board of Trustees, acting through the Investment Committee, re-affirms the current Defined Contribution Plans’ Investment Policy Statement with no changes.

05/07/2024