

Those persons wishing to speak on any item, whether or not it is included on the agenda, are requested to fill out and submit to the Clerk of the Board a "Request to Speak" form. Thank you.

It is the intention of the Chino Valley Independent Fire District to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant at this meeting, you will need special assistance beyond what is normally provided, the Chino Valley Independent Fire District will attempt to accommodate you in every reasonable manner. Please contact the Administration Office (909) 902-5260 at least forty-eight (48) hours prior to the meeting to inform us of your particular needs and to determine if accommodation is feasible. Please advise us at that time if you will need accommodations to attend or participate in meetings on a regular basis.

Any public record, relating to an open session agenda item, that is distributed within 72 hours prior to the meeting is available for public inspection at the District's Administrative Headquarters, 14011 City Center Drive, Chino Hills, CA 91709.

**CHINO VALLEY INDEPENDENT FIRE DISTRICT**  
***Special Meeting - Standing Committee Meeting***  
***Section 115 Regular - Trust Investment Committee***

Administrative Headquarters  
14011 City Center Drive  
Chino Hills, CA 91709

Wednesday, November 15, 2023

10:00 AM

**AGENDA**

ROLL CALL

FLAG SALUTE

PUBLIC COMMUNICATIONS

This is the time and place for the general public to address the Committee about subjects that do not appear elsewhere on the agenda. The public may address items on the agenda at the time addressed by the Committee.

Due to Committee policy and Brown Act requirements, action may not be taken on any issue not on the agenda. When you address the Committee, please state your name and address (optional) prior to making your remarks. Please limit your comments to 3 minutes.

MINUTES

1. Minutes - August 23, 2023 Regular Meeting

OLD BUSINESS - None

NEW BUSINESS

2. CAPITAL MARKETS UPDATE - 3RD QUARTER 2023

Purpose is to review and discuss the Capital Markets Update and 3rd Quarter 2023 Review.

ADJOURNMENT

The meeting will be adjourned to a Regular Meeting of the Chino Valley Independent Fire District's Section 115 Trust Investment Committee to be held on Wednesday, February 21, 2024 at 10:00 a.m. at the District Headquarters Office located at 14011 City Center Drive, Chino Hills, CA, 91709.

I, Angela Robles, Clerk of the Board, on behalf of the Board of Directors, do hereby certify that a copy of this agenda has been posted by 6:00 p.m., on Wednesday, November 8, 2023.

*Angela Robles*

Angela Robles, Clerk of the Board

**CHINO VALLEY INDEPENDENT FIRE DISTRICT**

**NO STAFF REPORT**

Minutes - August 23, 2023 Regular Meeting

**ATTACHMENTS:**

Minutes - August 23, 2023 Regular Meeting

**CHINO VALLEY INDEPENDENT FIRE DISTRICT**  
*Regular Meeting - Standing Committee Meeting*  
*Section 115 Trust Investment*

Administrative Headquarters  
14011 City Center Drive  
Chino Hills, CA 91709

Wednesday, August 23, 2023  
2:00 p.m. Committee Meeting

**MINUTES**

ROLL CALL

Fire Chief Dave Williams, Committee Chair  
Finance Director Mark Shaker, Committee Vice Chair  
Human Resources Director Anthony Arroyo, Committee Secretary  
Senior IT Support Analyst Chis Roberts, Committee Member  
Committee Member Jason Farnsworth – Absent  
Senior Managing Consultant Matt Smith, PFM Asset Management, LLC  
Director Ellen Clark, PFM Asset Management LLC

FLAG SALUTE

Committee Chair Dave Williams

CHANGES TO THE AGENDA

No changes to the agenda.

PUBLIC COMMUNICATIONS

None.

MINUTES

1. Minutes – May 17, 2023 Meeting

Committee Chair Williams requested any public comment on this agenda item.

There was no public comment.

Committee Chair Williams requested any Committee comment on this agenda item.

There was no Committee comment.

**Moved by Committee Vice Chair Shaker seconded by Committee Secretary Arroyo,  
carried by a 4-0 voice vote to approve this item as presented.**

**AYES: BOARD MEMBERS: Williams, Shaker, Arroyo and Roberts.**

**NOES: BOARD MEMBERS: None.**

**ABSTAIN: BOARD MEMBERS: None.**

**ABSENT: BOARD MEMBERS: Farnsworth.**

OLD BUSINESS

None.

NEW BUSINESS

2. FIRE CHIEF THREE-YEAR APPOINTMENT OF COMMITTEE MEMBERS

Purpose is for the Fire Chief to announce the appointment of Committee members to serve a three-year term.

Committee Chair Williams stated that the Committee Bylaws authorize the Fire Chief to appoint members of the Section 115 Committee.

Committee Chair Williams reappointed the current members on the Committee for an additional term of three years.

Committee Chair Williams requested public comment on this agenda item.

There was no public comment.

Committee Chair Williams requested any comment from the Committee on this agenda item.

There was no comment from the Committee.

**There was no further action taken on this item.**

3. COMMITTEE ELECTION OF SECRETARY & VICE CHAIR

Purpose is for the Committee to elect a Secretary and a Vice Chair from its members.

Committee Chair Williams stated that the Committee Bylaws authorize the Fire Chief to appoint a Committee Chair and authorize the Committee to elect a Secretary and Vice Chair.

Committee Chair Williams will continue the next three-year term as Committee Chair.

Committee Chair Williams requested any public comment on this agenda item.

There was no public comment.

Committee Chair Williams opened nominations for the appointment of Committee Secretary serving a three-year term expiring in 2026.

Human Resources Director Arroyo was nominated for the appointment of Secretary. There were no other nominations.

**Moved by Committee Vice Chair Shaker, seconded by Committee Member Roberts carried by a 4-0 voice vote to select Human Resources Director Arroyo as Secretary.**

**AYES: BOARD MEMBERS: Williams, Shaker, Arroyo and Roberts.**

**NOES: BOARD MEMBERS: None.**

**ABSTAIN: BOARD MEMBERS: None.**

**ABSENT: BOARD MEMBERS: Farnsworth.**

Committee Chair Williams opened nominations for the appointment of Committee Vice Chair serving a three-year term expiring in 2026.

Finance Director Shaker was nominated for the appointment of Vice Chair. There were no other nominations.

**Moved by Committee Secretary Arroyo, seconded by Committee Member Roberts carried by a 4-0 voice vote to select Finance Director Shaker as Vice Chair.**

**AYES: BOARD MEMBERS: Williams, Shaker, Arroyo and Roberts.**

**NOES: BOARD MEMBERS: None.**

**ABSTAIN: BOARD MEMBERS: None.**

**ABSENT: BOARD MEMBERS: Farnsworth.**

4. CAPITAL MARKETS UPDATE - 2ND QUARTER 2023

Purpose is to review and discuss the Capital Markets Update and 2nd Quarter 2023 Review

Committee Vice Chair Shaker deferred Item 4 to Item 5.

Committee Chair Williams requested any public comment on this agenda item.

There was no public comment.

Committee Chair Williams requested any comment from the Committee on this agenda item.

There was no comment from the Committee.

**Moved by Committee Secretary Arroyo, seconded by Committee Vice Chair Shaker, carried by a 4-0 voice vote for the Committee to receive and file the Capital Markets Update - 2nd Quarter 2023 as presented.**

**AYES: BOARD MEMBERS: Williams, Shaker, Arroyo and Roberts.**

**NOES: BOARD MEMBERS: None.**

**ABSTAIN: BOARD MEMBERS: None.**

**ABSENT: BOARD MEMBERS: Farnsworth.**

5. CHINO VALLEY FIRE DISTRICT SECTION 115 TRUST ANNUAL REPORT

Purpose is to review and discuss the 2022-23 Annual Report for the Section 115 Trust.

Director Ellen Clark, PFM Asset Management LLC and Senior Managing Consultant Matt Smith, PFM Asset Management, LLC provided a summary on the Annual Report and the Capital Markets Update – 2<sup>nd</sup> Quarter.

Committee Chair Williams requested any public comment on this agenda item.

There was no public comment.

Committee Chair Williams requested any comment from the Committee on this agenda item.

There was no comment from the Committee

**No action taken on this item; receive and file**

6. ANNUAL REVIEW OF INVESTMENT POLICY STATEMENT

Purpose is to conduct an annual review of the Chino Valley Fire District 115 Trust Investment Policy and to discuss potential future changes to the asset allocation of the Trust's investments.

Director Ellen Clark, PFM Asset Management LLC recommended that the Review of Investment Performance paragraph be updated to reflect the most current changes, regarding the title on the Aggregate Bond Index.

Committee Chair Williams requested any public comment on this agenda item.

There was no public comment.

**Moved by Committee Secretary Arroyo, seconded by Committee Vice Chair Shaker carried by a 4-0 voice vote to approve this item as amended.**

**AYES: BOARD MEMBERS: Williams, Shaker, Arroyo and Roberts.**

**NOES: BOARD MEMBERS: None.**

**ABSTAIN: BOARD MEMBERS: None.**

**ABSENT: BOARD MEMBERS: Farnsworth.**

ADJOURNMENT

Committee Chair Williams adjourned the meeting at 2:37 p.m. to the next Regular Section 115 Trust Meeting scheduled for Wednesday, November 15, 2023, at 10:00 a.m. at the District Headquarters Office located at 14011 City Center Drive, Chino Hills, CA 91709.

APPROVED AND ADOPTED THIS 15TH DAY OF NOVEMBER 2023.

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Dave Williams, Committee Chair

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Anthony Arroyo, Committee Secretary



**CHINO VALLEY INDEPENDENT FIRE DISTRICT  
STAFF REPORT**

**DATE: NOVEMBER 15, 2023**

**TO: SECTION 115 TRUST INVESTMENT COMMITTEE**

**FROM: DAVE WILLIAMS, FIRE CHIEF**

**SUBJECT: CAPITAL MARKETS UPDATE - 3RD QUARTER 2023**

**PURPOSE:**

Purpose is to review and discuss the Capital Markets Update and 3rd Quarter 2023 Review.

**DISCUSSION:**

A representative from PFM will present a Capital Markets Update and 3rd Quarter 2023 review.

**RECOMMENDATION:**

Review and discuss the Capital Markets Update and 3rd Quarter 2023 and provide direction as necessary.

**ATTACHMENTS:**

Capital Markets Update 3rd Quarter 2023



# Chino Valley Fire District

## Investment Performance Review For the Quarter Ended September 30, 2023

Client Management Team

PFM Asset Management LLC

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Ellen Clark, Director  
Stephanie Rogers, Client Service Analyst

1 California Street  
10th Floor  
San Francisco, CA 94111  
415-393-7270

1735 Market Street  
43rd Floor  
Philadelphia, PA 19103

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# **Financial Markets & Investment Strategy Review**

	QTD	YTD	1 Year	3 Years	5 Years	7 Years	10 Years
<b>DOMESTIC EQUITY</b>							
S&P 500	-3.27%	13.07%	21.62%	10.15%	9.92%	12.24%	11.91%
Russell 3000 Index	-3.25%	12.39%	20.46%	9.38%	9.14%	11.64%	11.28%
Russell 1000 Value Index	-3.16%	1.79%	14.44%	11.05%	6.23%	7.92%	8.45%
Russell 1000 Growth Index	-3.13%	24.98%	27.72%	7.97%	12.42%	15.64%	14.48%
Russell Midcap Index	-4.68%	3.91%	13.45%	8.09%	6.38%	8.68%	8.98%
Russell 2500 Index	-4.78%	3.59%	11.28%	8.39%	4.55%	7.96%	7.90%
Russell 2000 Index	-5.13%	2.54%	8.93%	7.16%	2.40%	6.62%	6.65%
Russell 2000 Value Index	-2.96%	-0.53%	7.84%	13.32%	2.59%	5.94%	6.19%
Russell 2000 Growth Index	-7.32%	5.24%	9.59%	1.09%	1.55%	6.77%	6.72%
<b>INTERNATIONAL EQUITY</b>							
MSCI EAFE (Net)	-4.11%	7.08%	25.65%	5.75%	3.24%	5.29%	3.82%
MSCI AC World Index (Net)	-3.40%	10.06%	20.80%	6.89%	6.46%	8.60%	7.56%
MSCI AC World ex USA (Net)	-3.77%	5.34%	20.39%	3.74%	2.58%	4.73%	3.35%
MSCI AC World ex USA Small Cap (Net)	-1.70%	5.03%	19.01%	4.01%	2.58%	4.70%	4.35%
MSCI EM (Net)	-2.93%	1.82%	11.70%	-1.73%	0.55%	3.22%	2.07%
<b>ALTERNATIVES</b>							
FTSE NAREIT Equity REIT Index	-7.13%	-2.14%	2.99%	5.76%	2.77%	2.61%	5.96%
FTSE EPRA/NAREIT Developed Index	-5.59%	-4.10%	2.72%	1.54%	-0.29%	0.65%	2.97%
Bloomberg Commodity Index Total Return	4.71%	-3.44%	-1.30%	16.23%	6.13%	4.68%	-0.75%
<b>FIXED INCOME</b>							
Blmbg. U.S. Aggregate	-3.23%	-1.21%	0.64%	-5.21%	0.10%	-0.09%	1.13%
Blmbg. U.S. Government/Credit	-3.00%	-0.86%	0.93%	-5.32%	0.41%	0.09%	1.31%
Blmbg. Intermed. U.S. Government/Credit	-0.83%	0.65%	2.20%	-2.93%	1.02%	0.62%	1.27%
Blmbg. U.S. Treasury: 1-3 Year	0.71%	1.69%	2.44%	-0.92%	1.03%	0.77%	0.79%
Blmbg. U.S. Corp: High Yield	0.46%	5.86%	10.28%	1.76%	2.96%	3.80%	4.24%
Credit Suisse Leveraged Loan index	3.37%	9.91%	12.47%	5.91%	4.31%	4.64%	4.33%
ICE BofAML Global High Yield Constrained (USD)	0.08%	5.37%	12.71%	-0.14%	1.81%	2.84%	3.29%
Blmbg. Global Aggregate Ex USD	-4.00%	-3.20%	3.39%	-8.39%	-3.10%	-2.77%	-1.73%
JPM EMBI Global Diversified	-2.23%	1.76%	10.01%	-4.56%	-0.35%	0.11%	2.47%
<b>CASH EQUIVALENT</b>							
90 Day U.S. Treasury Bill	1.31%	3.60%	4.47%	1.70%	1.72%	1.54%	1.10%

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

**THE ECONOMY**

▶ In the second quarter, U.S. gross domestic product (GDP) grew at an annualized rate of 2.1%, in line with 2023 growth estimates by the Federal Reserve (Fed) despite persistent inflation and continued rate hikes. This GDP growth rate is below global GDP growth estimates of 3.0%, which have been buoyed by emerging markets (EM) and developing economies.

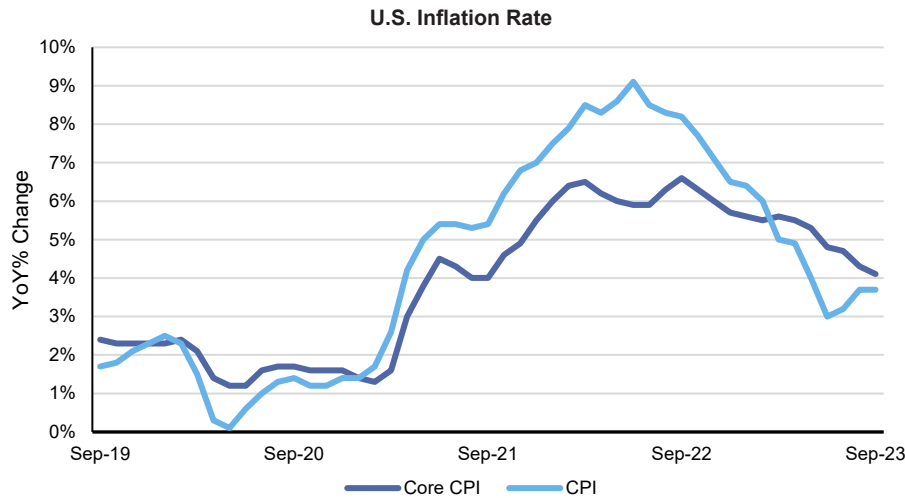
▶ The U.S. labor market continues to cool as the unemployment rate has risen to 3.8% in September. The number of job openings to unemployed ratio fell to 1.51, down from its high of 2.0 in 2022 but not yet closing in on the goal of 1.00.

▶ Inflation pressures remained visible in the third quarter, with headline inflation (CPI) increasing 3.7% year-over-year (YoY) in September, up from 3.0% at the end of the second quarter. However, the less volatile core reading (which excludes food and energy) shows continued cooling at 4.1% YoY in September, its slowest pace since 2021.

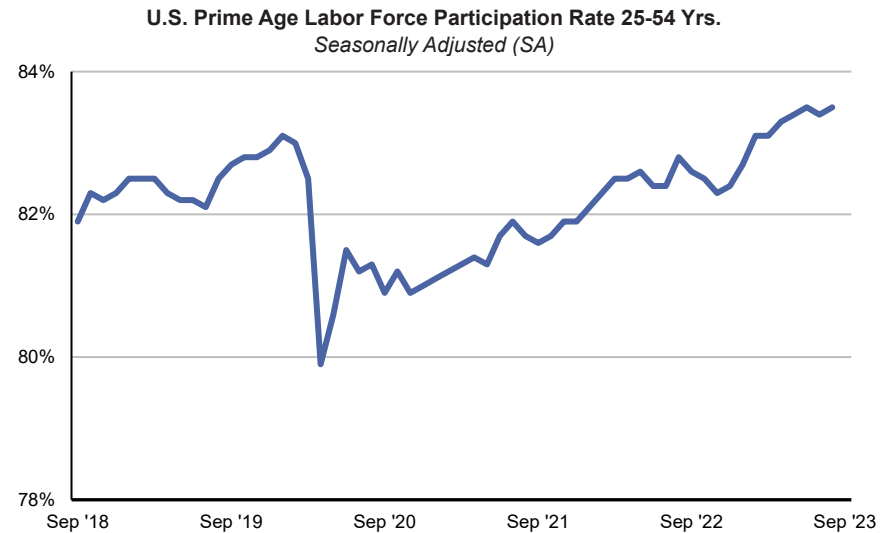
▶ Through the strong labor market and continued growth, consumer confidence saw relative improvement. The Michigan Consumer Sentiment survey ended the quarter at 68.1, up 8.4 year-to-date, though below the long-term average of 85. Consumers savings and incomes remain strong, but debt levels and defaults are increasing.



Source: IMF. Dark blue bars indicate actual numbers; light blue bars indicate forecasted estimates.



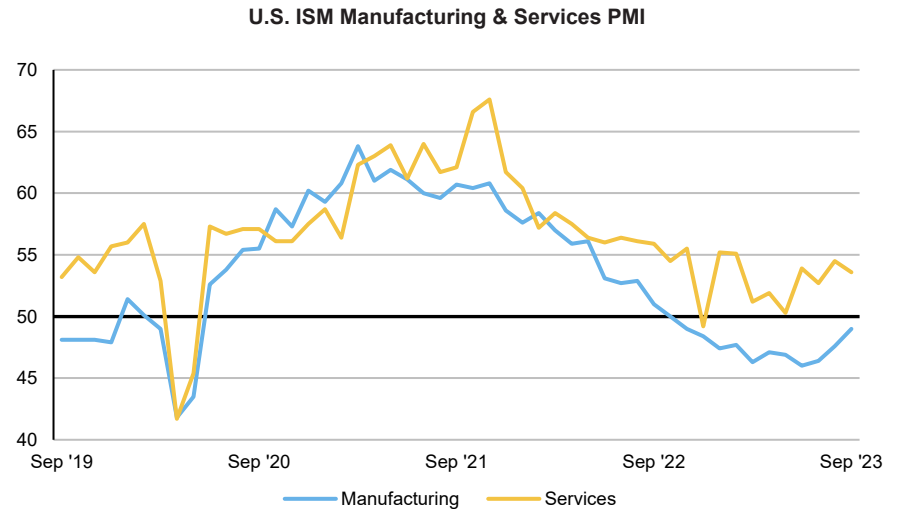
Source: Bureau of Labor Statistics.



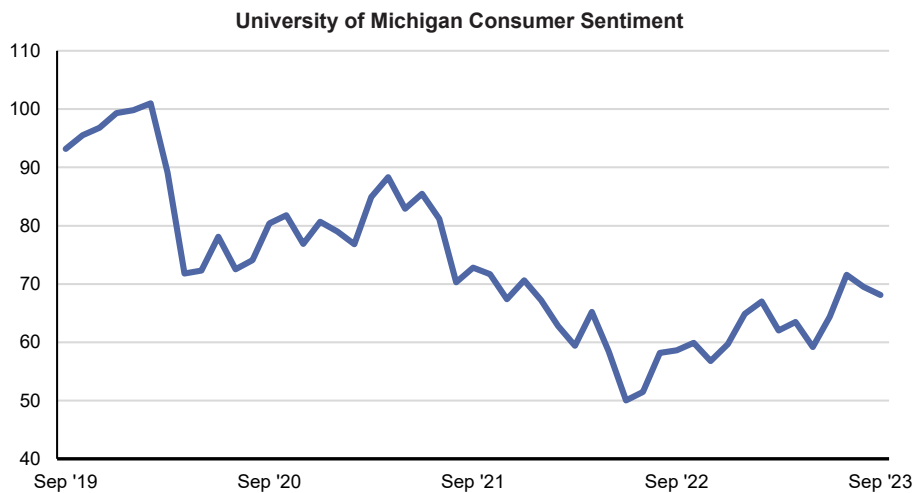
Source: Bureau of Labor Statistics.

**WHAT WE'RE WATCHING**

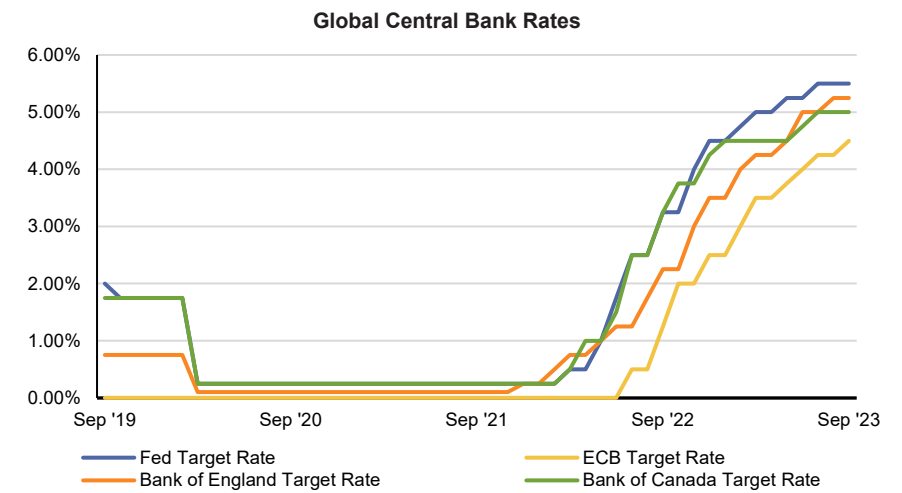
- ▶ After a pause in June, the third quarter brought one more rate hike as the resiliency of economic activity in the U.S. prompted the Fed to raise the target for the federal funds rate by 25 basis points (bps). Looking forward, the median dot for 2024 and 2025 were raised to 5.125% and 3.875%, with increased expectations of a 'higher-for-longer' policy. The European Central Bank (ECB) diverged from Fed policy slightly with two hikes during the quarter, marking a full year of consecutive rate hikes, as they continue to rein in inflation.
- ▶ The U.S. saw some recovery in manufacturing during the quarter as S&P Global U.S. Manufacturing rose to 49.8, just fractionally contractionary, as supply conditions improved and employment rose. Services weakened over the quarter, but remain expansionary at 50.1. The HCOB Eurozone manufacturing PMI, by comparison, ended the quarter in sharply contractionary territory for the fifteenth consecutive month, at 43.4. The services PMI also turned contractionary ending at 48.7.
- ▶ China's manufacturing and services sectors saw continued growth but with slowing momentum through the quarter as the S&P Global China Manufacturing and Services readings dipped to 50.9 and 50.2, respectively. Looking forward, the expected increased domestic tourism for "golden week" may provide a short-term boost to demand, though whether that can be sustained remains to be seen.



Source: Bloomberg.



Source: Bloomberg.



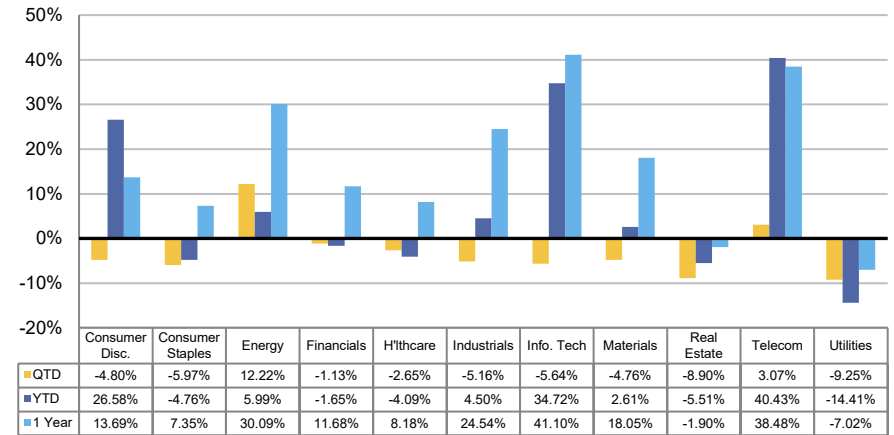
Source: Bloomberg.

**DOMESTIC EQUITY**

- ▶ The S&P 500 Index (S&P) posted a return of -3.27% for the third quarter of 2023. As of September 30, 2023, the trailing 1-year return for the index was 21.59%.
- ▶ Over the quarter, extreme market concentration continued to play a factor for large-cap stocks, as evidenced by the underperformance of the S&P 500 Equal Weight Index versus the S&P 500 Market Cap-Weighted Index.
- ▶ Within the S&P, only two of the 11 Global Industry Classification Standard (GICS) sectors posted positive gains for the quarter: Energy (12.22%) and Communication Services (3.07%). The worst-performing sectors over the quarter were Utilities (-9.25%), Real Estate (-8.90%), and Consumer Staples (-5.97%).
- ▶ Small-caps, as represented by the Russell 2000 Index, returned -5.13% during the quarter, lagging mid- and large-caps. The Russell Mid Cap Index returned -4.68% for the quarter, while the Russell 1000 Index returned -3.16%.
- ▶ According to FactSet Earnings Insight (as of September 29, 2023), the expected YoY earnings growth rate for the S&P for the third quarter is -0.1%. If expectations become a reality, it will be the fourth consecutive quarterly decline for the index.
- ▶ As of the end of the quarter, the S&P 500 P/E ratio was 20.96, below its 5-year average of 21.74. By comparison, the S&P 600, which represents small-cap stocks, had a P/E ratio of 14.52, well below its 5-year average of 17.22.

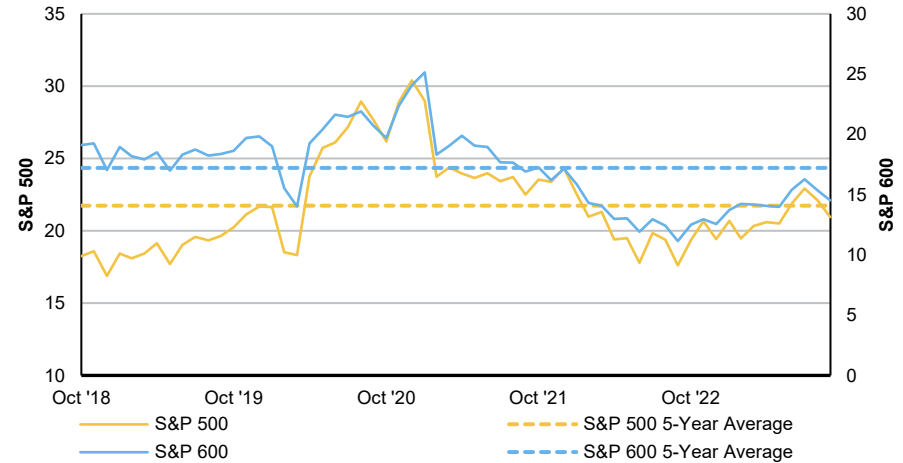
**S&P 500 Index Performance by Sector**

Periods Ended September 30, 2023



Source: Bloomberg.

**P/E Ratios of Major Stock Indices\***



Source: Bloomberg.

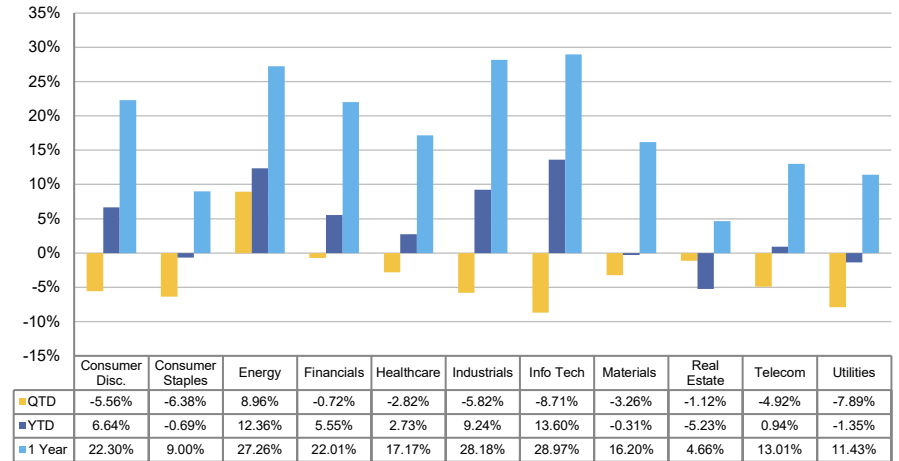
\*P/E ratios are calculated based on one-year forward estimates and adjusted to include only positive earnings results for consistency.

**NON-U.S. EQUITY**

- ▶ Markets outside of the U.S., as measured by the MSCI ACWI ex-U.S. Index, slightly underperformed their U.S. counterparts, returning -3.77% for the quarter.
- ▶ Ten out of the 11 sectors posted negative returns for the quarter, with Information Technology (-8.71%), Utilities (-7.89%), and Consumer Staples (-6.38%) being the worst-performing sectors. Energy (+8.96%) was the best and only sector with a positive return for the quarter. The sector benefited from oil prices soaring on tighter supplies.
- ▶ Emerging markets (EM), as represented by MSCI Emerging Market Index, outperformed Developed ex-U.S. Markets, represented by the MSCI EAFE Index, returning -2.93% versus -4.11% for the quarter.
- ▶ MSCI Japan (-1.55%) outperformed the MSCI EAFE Index. Japanese equities continue to benefit from positive investor sentiment as better corporate governance practices and attractive valuation brighten earnings outlook. Of the five largest-weighted countries in the index, Germany (-7.62%) was the worst performer due to gloomy economic data and unfavorable demographics.
- ▶ Within EM, MSCI India (1.84%) was a strong performer. The country's economic growth remains strong despite higher rates. MSCI China (-2.41%) outperformed the index as the government reaffirmed stimulative policies, which fueled a sharp rebound in Chinese equities during the month of July.
- ▶ Small-caps, as represented by MSCI ACWI ex-U.S. Small Cap Index, outperformed within the international equity markets, returning -1.70% for the quarter.
- ▶ Non-U.S. equities remain undervalued relative to their long-term average across international equity markets. As of September 30, 2023, MSCI EAFE ended the quarter with a P/E ratio of 13.39, much lower than its 5-year average of 15.98. Similarly, MSCI EM's P/E stood at 12.99 versus a 5-year average of 13.12.

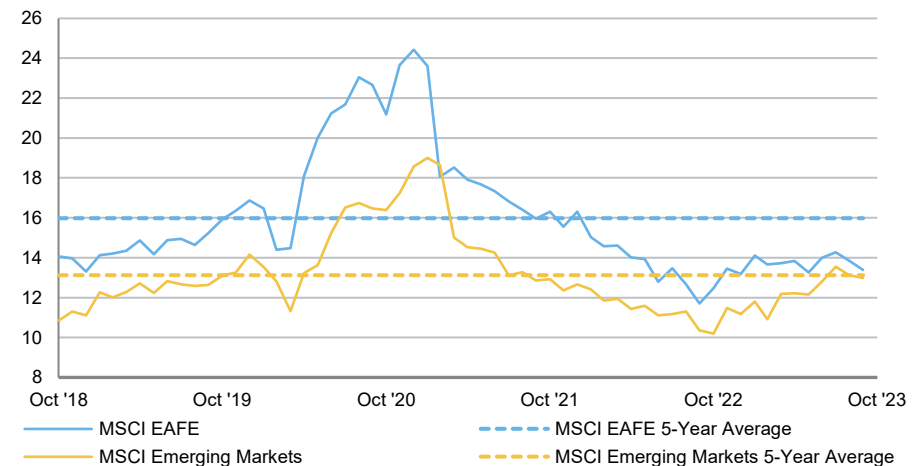
**MSCI ACWI ex-U.S. Sectors**

Periods Ended September 30, 2023



Source: Bloomberg.

**P/E Ratios of MSCI Equity Indices\***



Source: Bloomberg.

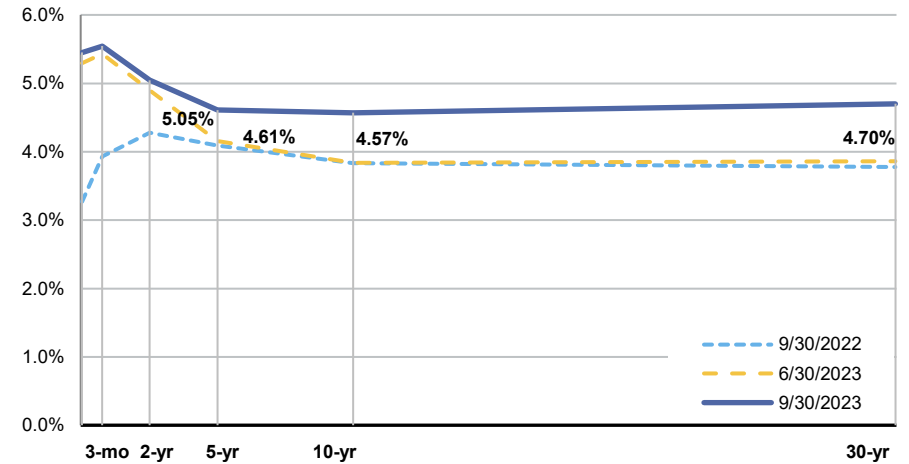
\*P/E ratios are calculated based on one-year forward estimates and adjusted to include only positive earnings results for consistency.



**FIXED INCOME**

- ▶ The U.S. bond market represented by the Bloomberg U.S. Aggregate (Aggregate) Index fell sharply during the third quarter to -3.23% as rates continued rising. The trailing 1-year period return is 0.64%.
- ▶ The Bloomberg U.S. Treasury Index closed the quarter with a loss of -3.06%. During the period, the Federal Open Market Committee (FOMC) raised interest rates by a quarter point in July, but paused at the September meeting. Long rates rose on several factors, including higher overall treasury issuance, less foreign demand, stickier energy-related inflation, and Federal debt and deficit size. The latter led to Fitch downgrading the U.S. Government rating. The curve remains inverted as the fed funds rate is now targeted at 5.5%. The 10-year climbed 78 bps in the quarter, ending at 4.59%.
- ▶ Corporate credit had mixed results for the quarter. The investment-grade Bloomberg U.S. Corporate (IG Corp) Index declined 3.09%, while high-yield bonds, as represented by the Bloomberg U.S. Corporate High-Yield (HY) Index, posted a gain of 0.46%. Although spreads didn't widen, IG Corp sold off from duration. HY saw very mild spread widening but was again led by the lowest quality Caa/CCC-rated cushioned by double-digit yields.
- ▶ The fixed-rate mortgage market, as measured by the Bloomberg U.S. Mortgage-Backed Securities (MBS) Index, lost 4.05%, hurt by continued duration extension on higher rates. On the commercial side, the Bloomberg U.S. Agency CMBS Index declined by 1.91%.
- ▶ EM USD sovereign bonds, as represented by the JP Morgan EMBI Global Diversified Index, lost 2.23%.

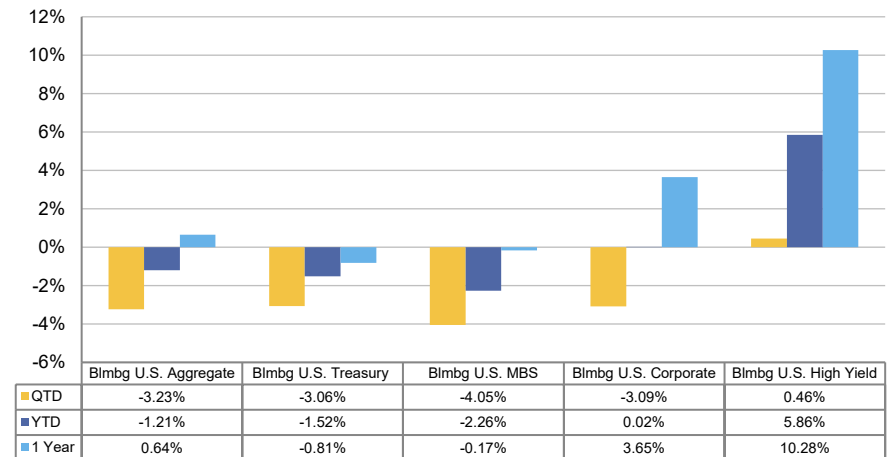
U.S. Treasury Yield Curve



Source: Bloomberg.

Returns for Fixed-Income Segments

Periods Ended September 30, 2023



Source: Bloomberg.

**ALTERNATIVES**

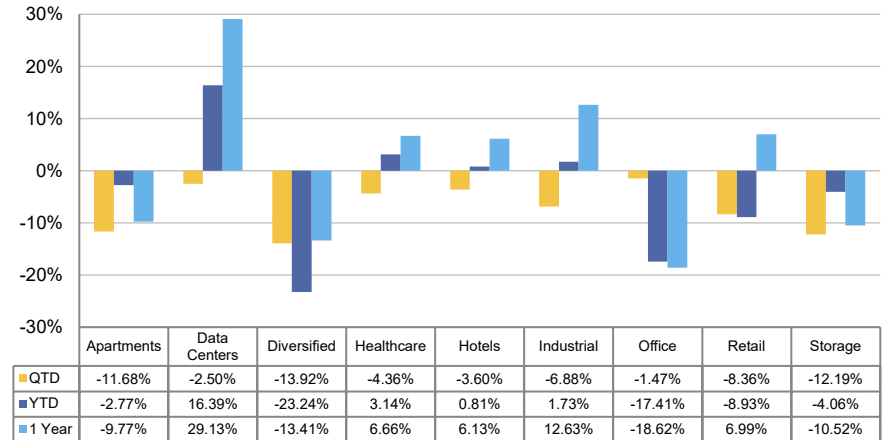
▶ REITs, as measured by the FTSE NAREIT Equity REITs Index, fell 7.13% in the third quarter of 2023, compared to a 2.62% increase in the prior quarter. All major sectors posted losses during the quarter as higher interest rates and broader economic concerns have spooked investors. The best performers were the Office and Data Center sectors, which posted returns of -1.47% and -2.50%, respectively. The worst performers during the quarter were the Diversified and Self-Storage sectors, which posted returns of -13.92% and -12.19%, respectively.

▶ Commodity futures, represented by the Bloomberg Commodity Total Return Index, gained 4.71% in the third quarter of 2023, compared to a 2.56% decline in the prior quarter. The U.S. Dollar Index (DXY) gained 3.17% during the same period. The price of gold fell 3.69% in Q3, marking the second consecutive quarter of declines for the precious metal. Gold finished the quarter at \$1,848.63 per ounce, down from \$1,919.35 at the end of the previous quarter. The West Texas Intermediate (WTI) Crude Oil spot price gained 28.53% from \$70.64 to \$90.79 per barrel as news of OPEC cuts and tighter supplies outweighed headwinds posed by a strengthening U.S. dollar and softening economic data.

▶ Private real estate, as measured by the NCREIF Property Index, fell -1.98% in the second quarter of 2023, resulting in a -6.60% return over the twelve-month period ended June 2023. This was the third consecutive quarter of negative returns for the index, underscoring the weakness in private property values. Hotel properties were again the top performers, with a total return of 4.00% in the second quarter, comprised of 1.94% in income return and 2.06% in appreciation return. Office properties were again the worst performers with a total return of -5.79%, comprised of 1.21% in income return and -7.00% in appreciation return.

**FTSE NAREIT Sectors**

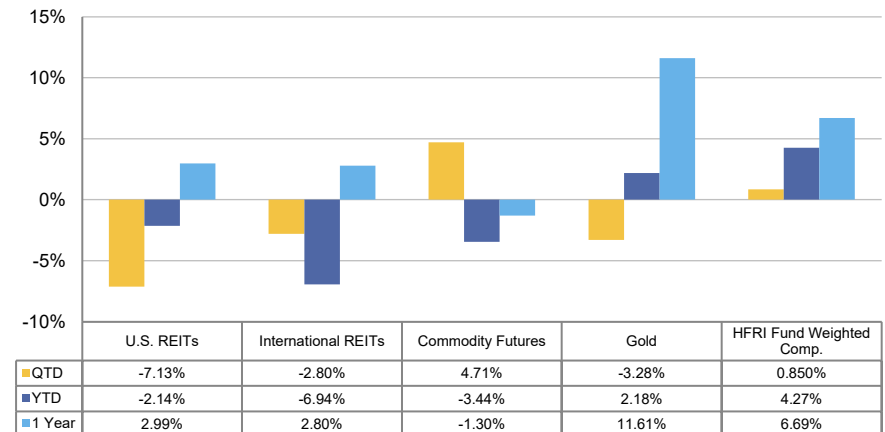
Periods Ended September 30, 2023



Source: Bloomberg.

**Returns for Liquid and Semi-Liquid Alternative Assets**

Periods Ended September 30, 2023



Sources: Bloomberg and Hedge Fund Research, Inc.

**ALTERNATIVES (continued)**

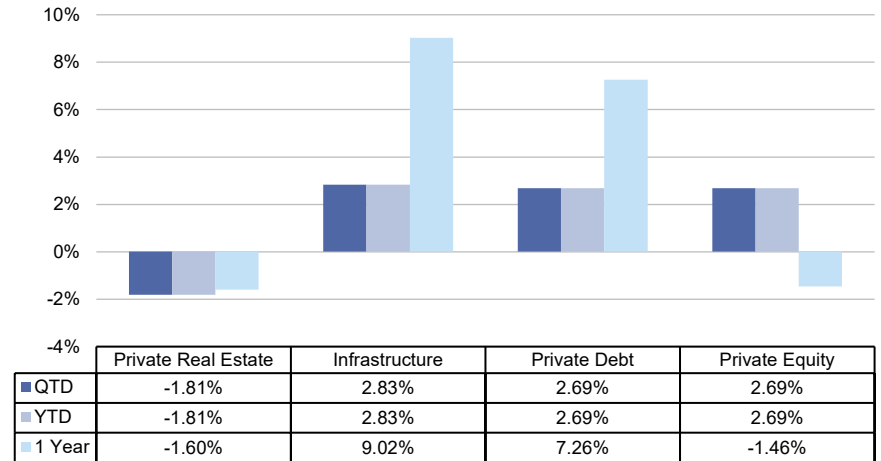
► In the second quarter of 2023, infrastructure funds raised only \$3.72 billion, although this is higher than the amount raised during the prior quarter. Almost all of this capital was raised by opportunistic infrastructure funds. Real assets dry powder has also fallen from previous years and stands at \$254.85 billion as of Q4 2022. Despite macroeconomic headwinds, the asset class continues to remain attractive due to its ability to provide moderate but consistent returns during periods of volatility, inflation and recession. According to PitchBook, infrastructure funds posted a return of 2.83% in Q1 2023. The asset class has generated an annualized return of 10.49% for the five years ended Q1 2023.

► In the second quarter of 2023, private debt fundraising amounted to \$56.38 billion, up from the prior quarter. Private debt dry powder has fallen to \$434.39 billion, although it remains above the long-term average. The asset class has performed well relative to public fixed income and may see more opportunities emerge in the near term as tightening lending standards push banks out of the private lending space. According to the Cliffwater Direct Lending Index, U.S. middle market loans, a proxy for private debt, posted a return of 2.81% in Q2 2023. The asset class has also generated an annualized return of 8.47% for the five years ended Q2 2023.

► In the second quarter of 2023, private capital fundraising was led by private equity funds, which closed on \$114.01 billion. Global private equity dry powder, which accounts for the bulk of private capital dry powder, remains high at \$1.32 trillion as of December 2022. Recent private equity performance has weakened as a result of high interest rates and a slowing economy; however, longer-term performance relative to public equities remains strong. According to Cambridge Associates, U.S. private equity posted a return of 2.69% in Q1 2023. The asset class has generated an annualized return of 18.47% for the five years ended Q1 2023.

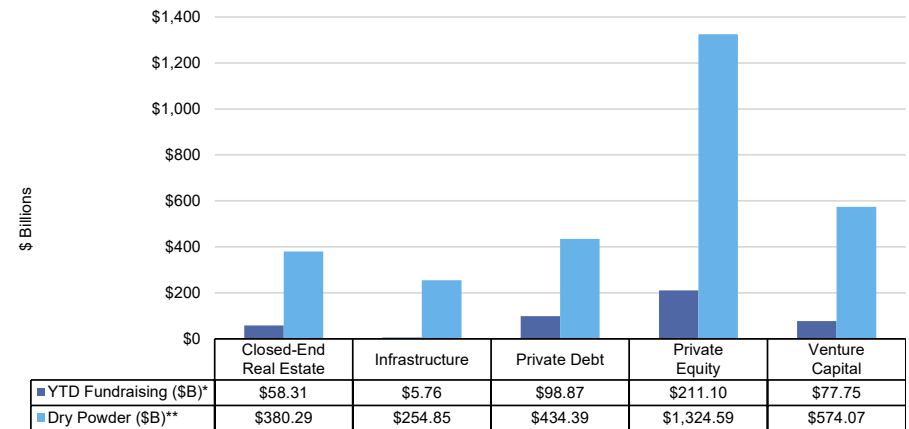
► Hedge fund returns were positive quarter-to-date through August 2023, with the HFRI Fund Weighted Composite Index returning 1.05%. During the same period, the HFRI Macro (Total) Index returned 0.11%. The HFRI Equity Hedge (Total) Index and the HFRI Fund of Funds Index returned 0.85% and 0.95%, respectively.

**Returns for Private Capital Assets**



Source: NCREIF, PitchBook, Cliffwater, Cambridge Associates, manual inputs.  
As of March 31, 2023 - most recent period for which all performance data is available.

**Private Capital Fundraising & Dry Powder**



Sources: Pitchbook.

\* Total capital raised in 2023 as of June 30, 2023 - most recent period for which ALL fundraising data is available.

\*\* Cumulative dry powder as of most recent - December 31, 2022.

**Investment Strategy Overview**

Asset Class	Our Q4 2023 Investment Outlook	Comments
<b>U.S. Equities</b>		<ul style="list-style-type: none"> <li>Continuing hawkish Fed stance gave rise to higher for longer rate narrative which led to a rapid increase in 10-year yields and a sell-off across equities. Moderating inflation and improving earnings growth expectations are positives but offset by higher rates.</li> <li>Mid cap and small cap valuations are attractive, but outperformance is unlikely until monetary policy becomes less hawkish and investor sentiment/earnings growth improves.</li> </ul>
Large-Caps		
Mid-Caps		
Small-Caps		
<b>Non-U.S. Equities</b>		<ul style="list-style-type: none"> <li>International equities continue to trade at a discount to U.S. equities, but sustained tightening in global financial conditions is a headwind. A strong US dollar and slowing growth in China are also headwinds to international equity returns.</li> <li>EM equities trade at attractive valuations despite the fact that relative economic growth outside of China is expected to improve. Chinese equities are expected to be negatively impacted by investor sentiment. Currently, we remain equal weight to EM due to near-term risk factors and continue to monitor for attractive points to add to the position.</li> <li>International small caps provide exposure to local revenue streams and are trading at attractive valuations.</li> </ul>
Developed Markets		
Emerging Markets		
International Small-Caps		
<b>Fixed Income</b>		<ul style="list-style-type: none"> <li>The Fed's recent guidance points towards soft landing scenario with another hike possible before the year-end. Yields at short end of the curve look attractive while rising long-term yields have weighed on recent returns. We expect the yields to come down from the recent highs as inflation continues to moderate.</li> <li>Credit markets remain attractive due to strong corporate fundamentals. We continue to seek diversified credit exposure and are closely watching signs for any distress in the corporate credit space.</li> </ul>
Long-Duration, Interest Rate-Sensitive Sectors		
Credit-Sensitive Sectors		
<b>Alternatives</b>		<ul style="list-style-type: none"> <li>Higher interest rates and rising foreclosure for office buildings are headwinds for real estate returns. We remain cautious in the near term</li> <li>Private equity is facing headwinds from higher leverage costs and falling valuations. Debt strategies may benefit from banks' tighter lending standards, but risk is elevated as the economy continues to slow, which will likely lead to higher default rates.</li> <li>Commodities are being impacted by supply shocks in the near-term. Over the next year, we expect slowing global demand to offset price increases from supply shocks.</li> </ul>
Real Estate		
Private Equity		
Private Debt		
Commodities		

● Current outlook    ○ Outlook one quarter ago



The view expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (9/30/2023) and are subject to change.

**Factors to Consider Over the Next 6-12 Months**

<p><b>Monetary Policy:</b></p> <ul style="list-style-type: none"> <li>• The Fed's recent guidance points towards soft landing scenario with another hike possible before the year-end. Markets have adjusted to higher rates for longer; restrictive monetary policy for longer could hamper economic growth.</li> <li>• Globally, most major central banks have maintained hawkish stance leading to growth concerns.</li> </ul>	<p><b>Economic Growth:</b></p> <ul style="list-style-type: none"> <li>• U.S. economy is expected to avoid recession near-term amidst continued strength within services activity, consumer spending, corporate balance sheets and labor markets.</li> <li>• Eurozone economic growth is slowly.</li> </ul>	<p><b>Inflation:</b></p> <ul style="list-style-type: none"> <li>• Inflation is moderating and we expect inflation to continue to slow.</li> <li>• Upside surprise driven by services inflation or due to rising crude oil prices on goods inflation will be negative and could lead to renewed aggressive monetary policy.</li> </ul>
<p><b>Financial Conditions:</b></p> <ul style="list-style-type: none"> <li>• Hawkish monetary policy and higher rates for longer can lead to pockets of stress within financial markets.</li> <li>• Banks' lending standards remain a concern for continuing economic growth.</li> </ul>	<p><b>Consumer Spending (U.S.):</b></p> <ul style="list-style-type: none"> <li>• With inflation moderating, consumer confidence has been steadily recovering from recent lows.</li> <li>• Moderating inflation, low unemployment rate and rising real personal income may keep consumer spending while student loan repayments is a headwind.</li> </ul>	<p><b>Labor Markets:</b></p> <ul style="list-style-type: none"> <li>• Labor markets remain relatively strong but showing signs of softening as economy continues to slow.</li> <li>• Improving labor force participation bodes well for lower wage growth and inflation.</li> </ul>
<p><b>Corporate Fundamentals:</b></p> <ul style="list-style-type: none"> <li>• Earnings growth expectations are improving, especially when energy companies are excluded.</li> <li>• Profit margins have declined and are stabilizing at pre-pandemic levels. The impact of rising US dollar, rising borrowing costs, slowing Eurozone growth, lackluster recovery in China and rising commodity prices need to be monitored.</li> </ul>	<p><b>Valuations:</b></p> <ul style="list-style-type: none"> <li>• International equities look attractive relative to historical valuations but continued economic uncertainty is leading to increased volatility.</li> <li>• Credit markets look attractive on the back of strong corporate fundamentals, but pockets of vulnerabilities will appear as financial conditions tighten further.</li> </ul>	<p><b>Political Risks:</b></p> <ul style="list-style-type: none"> <li>• Geopolitical risks continue to remain elevated. US/China tensions, Russia/Ukraine war, China's moves in South China Sea and Taiwan Strait further add to risks.</li> </ul>



Statements and opinions expressed about the next 6-12 months were developed based on our independent research with information obtained from Bloomberg. The views expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (09/30/2023) and are subject to change. Information is obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee its accuracy, completeness, or suitability.

# Plan Performance Summary

## Section 115 Trust

As of September 30, 2023

## Asset Allocation &amp; Performance

	Allocation		Performance(%)						
	Market Value (\$)	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	Since Inception	Inception Date
<b>CVFD - Section 115 Trust - Total Fund</b>	<b>9,144,795</b>	<b>100.00</b>	<b>-3.64</b>	<b>4.34</b>	<b>10.77</b>	<b>1.58</b>	<b>3.87</b>	<b>4.74</b>	<b>05/01/2017</b>
<i>Policy Benchmark</i>			-3.32	5.42	12.40	1.45	4.00	4.67	05/01/2017
<b>Domestic Equity</b>	<b>3,705,925</b>	<b>40.52</b>	<b>-4.00</b>	<b>9.10</b>	<b>17.42</b>	<b>8.26</b>	<b>8.71</b>	<b>10.46</b>	<b>05/01/2017</b>
<i>Russell 3000 Index</i>			-3.25	12.39	20.46	9.38	9.14	10.89	05/01/2017
PFM Multi-Manager Domestic Equity Fund	3,705,925	40.52	-4.00	8.99	17.30	8.59	8.45	8.36	09/01/2018
<i>Russell 3000 Index</i>			-3.25	12.39	20.46	9.38	9.14	9.02	09/01/2018
Vanguard Total Stock Market ETF - 75.0%			-3.29	12.36	20.40	9.25	9.06	9.10	02/01/2020
<i>Russell 3000 Index</i>			-3.25	12.39	20.46	9.38	9.14	9.20	02/01/2020
Vaughan Nelson Select - 10.9% (^)			-5.02	10.34	17.61	13.30	11.14	11.94	06/01/2018
Aristotle Atlantic Core Equity - 7.5% (^)			-4.72	9.38	17.22	N/A	N/A	-6.15	11/01/2021
<i>Russell 3000 Index</i>			-3.25	12.39	20.46	9.38	9.14	-3.75	11/01/2021
Champlain Mid Cap Core - 1.0% (^)			-6.35	3.13	10.56	4.00	6.71	7.87	06/01/2018
<i>S&amp;P MidCap 400</i>			-4.20	4.27	15.51	12.05	6.06	5.73	09/01/2018
Jacobs Levy Small Cap - 5.1% (^)			-5.69	0.59	11.59	16.76	N/A	8.54	05/01/2019
<i>S&amp;P SmallCap 600</i>			-4.93	0.81	10.08	12.10	3.21	5.45	05/01/2019
<b>International Equity</b>	<b>1,862,022</b>	<b>20.36</b>	<b>-5.13</b>	<b>3.63</b>	<b>18.07</b>	<b>1.06</b>	<b>1.91</b>	<b>3.51</b>	<b>05/01/2017</b>
<i>MSCI AC World ex USA (Net)</i>			-3.77	5.34	20.39	3.74	2.58	3.80	05/01/2017
PFM Multi-Manager International Equity Fund	1,862,022	20.36	-5.13	3.62	18.09	1.73	1.66	1.78	09/01/2018
<i>MSCI AC World ex USA (Net)</i>			-3.77	5.34	20.39	3.74	2.58	2.63	09/01/2018
iShares Core MSCI Total Int'l Stock ETF - 39.7%			-4.13	5.08	20.75	3.79	2.63	2.39	02/01/2020
<i>MSCI AC World ex USA (Net)</i>			-3.77	5.34	20.39	3.74	2.58	2.25	02/01/2020
WCM Focused Growth International - 10.0% (^)			-8.63	4.96	17.47	1.27	N/A	5.29	12/01/2019
<i>MSCI AC World ex USA (Net)</i>			-3.77	5.34	20.39	3.74	2.58	2.55	12/01/2019
Ninety One Int'l Dynamic Equity - 16.0% (^)			-4.81	3.33	17.42	N/A	N/A	-7.80	12/01/2021
<i>MSCI AC World ex USA (Net)</i>			-3.77	5.34	20.39	3.74	2.58	-4.37	12/01/2021
Acadian Non-U.S. Equity - 6.6% (^)			-2.36	2.71	18.34	5.25	N/A	3.22	01/01/2020
<i>MSCI EAFE (net)</i>			-4.11	7.08	25.65	5.75	3.24	2.55	01/01/2020
Aristotle International Equity - 12.4% (^)			-4.69	7.03	21.83	5.74	3.00	3.70	06/01/2018
<i>MSCI EAFE (net)</i>			-4.11	7.08	25.65	5.75	3.24	3.36	09/01/2018
Kayne Anderson International Small Cap - 4.9% (^)			-3.92	10.90	29.53	N/A	N/A	-9.44	05/01/2021
<i>MSCI AC World ex USA Small Cap (Net)</i>			-1.70	5.03	19.01	4.01	2.58	-6.05	05/01/2021
Schroders Global Emerging Markets - 5.2% (^)			-5.68	-0.15	11.61	-2.63	N/A	-1.54	01/01/2020
<i>MSCI EM (net)</i>			-2.93	1.82	11.70	-1.73	0.55	-1.69	01/01/2020
iShares MSCI Emerging Markets ex China ETF - 4.9%			-3.92	5.67	14.56	5.12	2.60	-2.54	09/01/2023
<i>MSCI EM (net)</i>			-2.93	1.82	11.70	-1.73	0.55	-2.62	09/01/2023

Returns are net of mutual fund fees and are expressed as percentages. Asset class level returns may vary from individual underlying manager returns due to cash flows.

(^) Performance information is gross of fees and reflects sleeve level information (not specific to this client/investor). It is provided by sub-advisers of the PFM Multi-Manager Equity Fund, PFM Multi-Manager International Equity Fund and PFM Multi-Manager Fixed-Income Fund.

## Asset Allocation &amp; Performance

	Allocation		Performance(%)						
	Market Value (\$)	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	Since Inception	Inception Date
<b>Fixed Income</b>	<b>3,556,614</b>	<b>38.89</b>	<b>-2.48</b>	<b>0.13</b>	<b>1.72</b>	<b>-4.23</b>	<b>0.34</b>	<b>0.47</b>	<b>05/01/2017</b>
<i>Blmbg. U.S. Aggregate</i>			-3.23	-1.21	0.64	-5.21	0.10	0.12	05/01/2017
PFM Multi-Manager Fixed-Income Fund	3,556,614	38.89	-2.48	0.13	1.71	-4.17	0.40	0.35	09/01/2018
<i>Blmbg. U.S. Aggregate</i>			-3.23	-1.21	0.64	-5.21	0.10	-0.03	09/01/2018
PGIM Core Fixed - 32.5% (^)			-3.04	-0.67	1.31	-5.04	0.35	0.33	06/01/2018
TIAA Core Fixed - 32.7% (^)			-3.03	-0.63	0.31	-5.04	0.44	0.45	06/01/2018
<i>Blmbg. U.S. Aggregate</i>			-3.23	-1.21	0.64	-5.21	0.10	-0.03	09/01/2018
iShares Core U.S. Aggregate Bond ETF - 12.9%			-3.22	-1.03	0.64	-5.21	0.08	-5.65	05/01/2021
<i>Blmbg. U.S. Aggregate</i>			-3.23	-1.21	0.64	-5.21	0.10	-5.65	05/01/2021
PineBridge IG Credit - 5.4% (^)			-2.81	-0.33	2.94	-4.69	1.83	1.78	06/01/2018
<i>Blmbg. U.S. Credit Index</i>			-3.01	0.03	3.47	-4.83	0.86	0.78	09/01/2018
Brown Bros. Harriman Structured - 8.6% (^)			1.41	4.15	4.78	1.26	2.28	2.24	06/01/2018
<i>ICE BofA Asset-Bckd Fxd &amp; Fltng Rate AA-BBB Idx</i>			1.21	4.66	5.23	0.49	1.84	1.81	09/01/2018
Brandywine Global High Yield - 3.9%			1.52	7.62	12.07	3.13	5.73	3.13	10/01/2020
<i>Blmbg. Ba to B U.S. High Yield</i>			0.16	5.00	9.79	1.30	3.30	1.30	10/01/2020
MainStay MacKay High Yield Corp Bond Fund - 3.9%			0.52	5.81	9.99	2.57	3.37	-0.02	06/01/2021
<i>ICE BofA High Yield Master II</i>			0.53	5.97	10.20	1.82	2.80	-1.34	06/01/2021
<b>Cash Equivalent</b>	<b>20,234</b>	<b>0.22</b>	<b>1.30</b>	<b>3.61</b>	<b>4.49</b>	<b>1.69</b>	<b>1.60</b>	<b>1.52</b>	<b>05/01/2017</b>
Allspring Government Money Market Fund	20,234	0.22	1.30	3.61	4.49	1.69	1.60	1.51	05/01/2017

Returns are net of mutual fund fees and are expressed as percentages. Asset class level returns may vary from individual underlying manager returns due to cash flows.

(^) Performance information is gross of fees and reflects sleeve level information (not specific to this client/investor). It is provided by sub-advisers of the PFM Multi-Manager Equity Fund, PFM Multi-Manager International Equity Fund and PFM Multi-Manager Fixed-Income Fund.



## Comparative Performance

	Year To Date	2022	2021	2020	2019	2018
<b>CVFD - Section 115 Trust - Total Fund</b>	<b>4.34</b>	<b>-16.95</b>	<b>11.06</b>	<b>14.02</b>	<b>18.47</b>	<b>-4.42</b>
<i>Policy Benchmark</i>	5.42	-15.77	8.88	13.23	18.17	-3.97
<b>Domestic Equity</b>	<b>9.10</b>	<b>-19.50</b>	<b>25.84</b>	<b>22.52</b>	<b>29.72</b>	<b>-4.76</b>
<i>Russell 3000 Index</i>	12.39	-19.21	25.66	20.89	31.02	-5.24
PFM Multi-Manager Domestic Equity Fund	8.99	-18.97	26.28	20.05	29.70	N/A
<i>Russell 3000 Index</i>	12.39	-19.21	25.66	20.89	31.02	-5.24
Vanguard Total Stock Market ETF - 75.0%	12.36	-19.50	25.72	20.95	30.80	-5.13
Vaughan Nelson Select - 10.9% (^)	10.62	-15.79	41.05	20.01	29.17	N/A
Aristotle Atlantic Core Equity - 7.5% (^)	9.38	-21.43	N/A	N/A	N/A	N/A
<i>Russell 3000 Index</i>	12.39	-19.21	25.66	20.89	31.02	-5.24
Champlain Mid Cap Core - 1.0% (^)	3.80	-25.67	25.95	30.51	27.82	N/A
<i>S&amp;P MidCap 400</i>	4.27	-13.06	24.76	13.66	26.20	-11.08
Jacobs Levy Small Cap - 5.1% (^)	0.91	-15.58	39.61	18.81	N/A	N/A
<i>S&amp;P SmallCap 600</i>	0.81	-16.10	26.82	11.29	22.78	-8.48
<b>International Equity</b>	<b>3.63</b>	<b>-21.87</b>	<b>8.71</b>	<b>17.26</b>	<b>21.44</b>	<b>-13.56</b>
<i>MSCI AC World ex USA (Net)</i>	5.34	-16.00	7.82	10.65	21.51	-14.20
PFM Multi-Manager International Equity Fund	3.62	-20.79	9.38	13.74	21.23	N/A
<i>MSCI AC World ex USA (Net)</i>	5.34	-16.00	7.82	10.65	21.51	-14.20
iShares Core MSCI Total Int'l Stock ETF - 39.7%	5.08	-16.35	8.52	11.14	21.85	-14.55
WCM Focused Growth International - 10.0% (^)	5.44	-28.14	18.78	32.21	N/A	N/A
Ninety One Int'l Dynamic Equity - 16.0% (^)	3.33	-19.77	N/A	N/A	N/A	N/A
<i>MSCI AC World ex USA (Net)</i>	5.34	-16.00	7.82	10.65	21.51	-14.20
Acadian Non-U.S. Equity - 6.6% (^)	3.11	-12.37	14.31	11.10	N/A	N/A
Aristotle International Equity - 12.4% (^)	7.40	-20.52	17.21	10.14	25.45	N/A
<i>MSCI EAFE (net)</i>	7.08	-14.45	11.26	7.82	22.01	-13.79
Kayne Anderson International Small Cap - 4.9% (^)	10.90	-31.47	N/A	N/A	N/A	N/A
<i>MSCI AC World ex USA Small Cap (Net)</i>	5.03	-19.97	12.93	14.24	22.42	-18.20
Schroders Global Emerging Markets - 5.2% (^)	-0.15	-21.44	-4.65	26.16	N/A	N/A
iShares MSCI Emerging Markets ex China ETF - 4.9%	5.67	-19.32	8.67	12.81	15.65	-12.73
<i>MSCI EM (net)</i>	1.82	-20.09	-2.54	18.31	18.42	-14.57

Returns are net of mutual fund fees and are expressed as percentages. Asset class level returns may vary from individual underlying manager returns due to cash flows.

(^) Performance information is gross of fees and reflects sleeve level information (not specific to this client/investor). It is provided by sub-advisers of the PFM Multi-Manager Equity Fund, PFM Multi-Manager International Equity Fund and PFM Multi-Manager Fixed-Income Fund.

## Comparative Performance

	Year To Date	2022	2021	2020	2019	2018
<b>Fixed Income</b>	<b>0.13</b>	<b>-13.12</b>	<b>-0.96</b>	<b>7.68</b>	<b>9.56</b>	<b>-0.89</b>
<i>Blmbg. U.S. Aggregate</i>	-1.21	-13.01	-1.55	7.51	8.72	0.01
PFM Multi-Manager Fixed-Income Fund	0.13	-13.06	-0.85	7.86	9.56	N/A
<i>Blmbg. U.S. Aggregate</i>	-1.21	-13.01	-1.55	7.51	8.72	0.01
PGIM Core Fixed - 32.5% (^)	-0.53	-13.76	-0.98	9.01	9.65	N/A
TIAA Core Fixed - 32.7% (^)	-0.44	-14.23	-0.64	9.76	9.59	N/A
iShares Core U.S. Aggregate Bond ETF - 12.9%	-1.03	-13.06	-1.67	7.42	8.68	-0.05
<i>Blmbg. U.S. Aggregate</i>	-1.21	-13.01	-1.55	7.51	8.72	0.01
PineBridge IG Credit - 5.4% (^)	-0.15	-15.83	0.02	14.54	15.48	N/A
<i>Blmbg. U.S. Credit Index</i>	0.03	-15.26	-1.08	9.35	13.80	-2.11
Brown Bros. Harriman Structured - 8.6% (^)	4.41	-3.87	3.01	3.42	5.07	N/A
<i>ICE BofA Asset-Bckd Fxd &amp; Fltng Rate AA-BBB Idx</i>	4.66	-6.33	1.77	3.94	4.31	3.16
Brandywine Global High Yield - 3.9%	7.62	-9.38	5.52	13.92	15.56	1.27
<i>Blmbg. Ba to B U.S. High Yield</i>	5.00	-10.59	4.71	7.78	15.18	-1.86
MainStay MacKay High Yield Corp Bond Fund - 3.9%	5.81	-7.81	5.35	5.28	13.03	-1.34
<i>ICE BofA High Yield Master II</i>	5.97	-11.22	5.36	6.17	14.41	-2.27
<b>Cash Equivalent</b>						
Allspring Government Money Market Fund	3.61	1.47	0.01	0.34	2.06	1.69

Returns are net of mutual fund fees and are expressed as percentages. Asset class level returns may vary from individual underlying manager returns due to cash flows.

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## Account Reconciliation

## QTR

	Market Value As of 07/01/2023	Net Flows	Return On Investment	Market Value As of 09/30/2023
CVFD - Section 115 Trust - Total Fund	9,492,407	(2,250)	(345,361)	9,144,795

## YTD

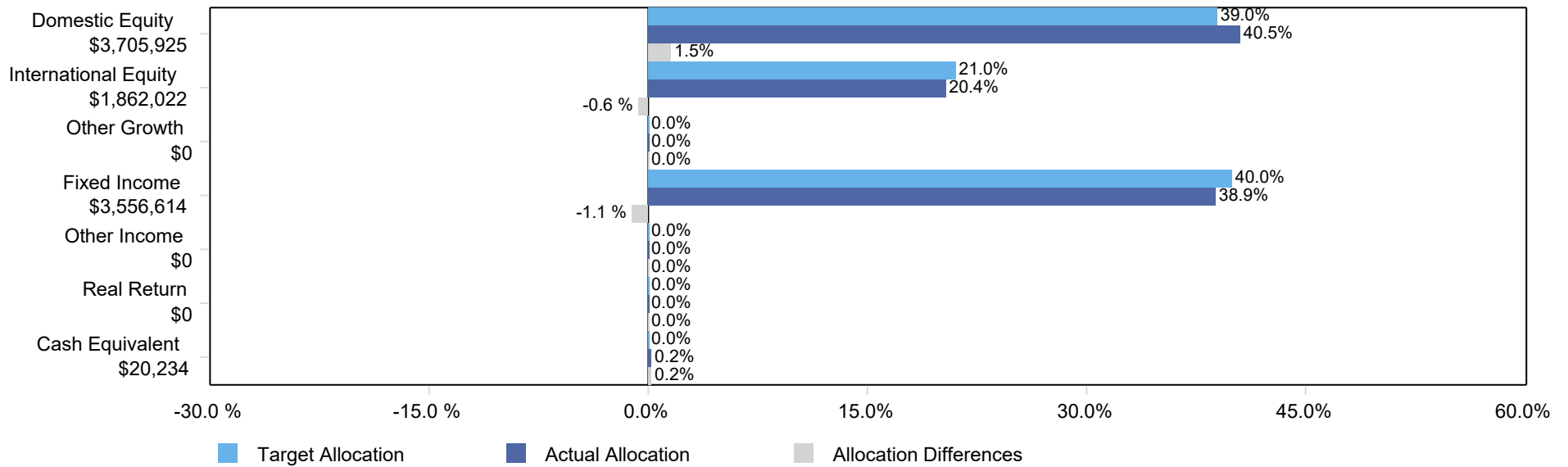
	Market Value As of 01/01/2023	Net Flows	Return On Investment	Market Value As of 09/30/2023
CVFD - Section 115 Trust - Total Fund	7,790,464	1,030,502	323,830	9,144,795

## 1 Year

	Market Value As of 10/01/2022	Net Flows	Return On Investment	Market Value As of 09/30/2023
CVFD - Section 115 Trust - Total Fund	7,339,697	1,028,352	776,746	9,144,795

Asset Allocation Summary

	Asset Allocation (%)	Target Allocation (%)	Minimum Allocation (%)	Maximum Allocation (%)	Differences (%)
<b>CVFD - Section 115 Trust - Total Fund</b>	<b>100.0</b>	<b>100.0</b>	<b>N/A</b>	<b>N/A</b>	<b>0.0</b>
Domestic Equity	40.5	39.0	19.0	59.0	1.5
International Equity	20.4	21.0	1.0	41.0	-0.6
Other Growth	0.0	0.0	0.0	20.0	0.0
Fixed Income	38.9	40.0	20.0	60.0	-1.1
Other Income	0.0	0.0	0.0	20.0	0.0
Real Return	0.0	0.0	0.0	20.0	0.0
Cash Equivalent	0.2	0.0	0.0	20.0	0.2



## Historical Hybrid Composition - Policy Benchmark

Allocation Mandate	Weight (%)
<b>May-2017</b>	
Russell 3000 Index	33.0
MSCI AC World ex USA (Net)	17.0
Blmbg. U.S. Aggregate	50.0
<b>Sep-2021</b>	
Russell 3000 Index	39.0
MSCI AC World ex USA (Net)	21.0
Blmbg. U.S. Aggregate	40.0

## **Investment Manager Review**

### ◆ Vanguard Total Stock Market Index

- **Management:** Gerard C. O'Reilly has managed the Fund since its inception in 1994. Walter Nejman has been co-portfolio manager for the fund since 2016. Michelle Louie was added as a co-portfolio manager in 2023. They have been in the investment management industry since 1992, 2008, and 2011, respectively.
- **Objective:** The Fund seeks to track the performance of a benchmark index that measures the investment return of the overall stock market.
- **Strategy:** The Fund employs a “passive management” – or indexing – investment approach designed to track the performance of the CRSP US Total Market Index. These key characteristics include industry weightings and market capitalization, as well as certain financial measures, such as price/earnings ratio and dividend yield.

### ◆ Vaughan Nelson Select

- **Management:** Scott Weber, CFA is the lead portfolio manager and final decision maker. He is the lead PM on the strategy since inception. Chris Wallis, co-portfolio manager, serves as the CIO of the firm.
- **Objective:** The sub-advisor seeks to invest in companies that are trading at a discount to fair value with the potential to generate above-average rates of returns over time.
- **Strategy:** Typical characteristics of an investment in the Select strategy are:
  - Undervalued Growth: companies with attractive ROIC that are trading at an attractive valuation
  - Undervalued Assets: companies where the market is under appreciating the value of underlying assets
  - Undervalued Dividends: companies with attractive dividend yields or return to shareholders

### ◆ Aristotle Atlantic Core Equity

- **Management:** The strategy is managed by a team of three Portfolio Managers. Owen Fitzpatrick, CFA, is the lead portfolio manager and is ultimately responsible for all portfolio decisions. Thomas Hynes and Brendan O'Neill share in portfolio management responsibilities and serve as research analysts.
- **Objective:** The strategy seeks to maximize long-term capital appreciation relative to the Russell 3000 Index over a full business cycle utilizing a risk-controlled investment approach.
- **Strategy:** The sub-advisor invests in high quality stocks with a focus on long term sustainable growth identified through both bottom-up fundamental analysis and top-down themes approach. This strategy tends to be concentrated in 45-60 companies. The benchmark for this strategy is the Russell 3000 Index.

### ● Champlain Mid Cap Core

- **Management:** The strategy is managed through a team-based approach headed by Scott Brayman. Mr. Brayman is the founding partner and Chief Investment Officer, as well as portfolio manager for the Mid Cap Core strategy. He is the lead PM on the strategy since inception.
- **Objective:** The sub-advisor seeks to invest in companies that are trading at a discount to fair value with the potential to generate above-average rates of returns over time.
- **Strategy:** The sub-advisor invests in common stocks of mid-capitalization companies that they believe have strong long-term fundamentals, superior capital appreciation potential and attractive valuations.

### ● Jacobs Levy Small Cap Equity

- **Management:** Dr. Bruce I. Jacobs and Mr. Kenneth N. Levy co-founded Jacobs Levy in 1986. The two individuals own 100% of the firm and are the portfolio managers responsible for the day-to-day management of firm assets. The two individuals are backed by a team of over 50 investment professionals.
- **Objective:** Through a quantitative approach, the strategy seeks outperformance relative to the S&P Small Cap Index.
- **Strategy:** The strategy employs an actively managed approach designed to outperform the S&P 600 over a full market cycle. The team uses a multi factor quantitative approach with over 80 factors, about half are fundamental factors and the other half are industry factors. Stock selection is determined based on an optimizer run for expected alpha.

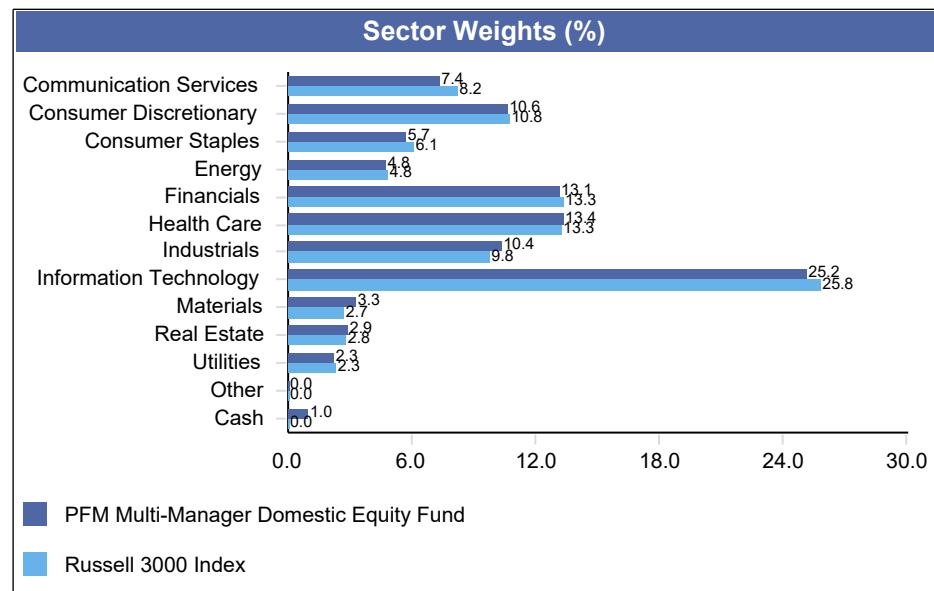


## Portfolio Characteristics

As of September 30, 2023

### PFM Multi-Manager Domestic Equity vs. Russell 3000 Index

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	495,540	538,565
Median Mkt. Cap (\$M)	962	1,846
Price/Earnings ratio	20.68	20.60
Price/Book ratio	4.00	4.02
5 Yr. EPS Growth Rate (%)	17.95	18.11
Current Yield (%)	1.49	1.61
Number of Stocks	3,790	2,994



**Top Ten Holdings**

	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	5.45	5.62	-0.17	-7.08
Apple Inc	5.11	6.11	-1.00	-11.61
Amazon.com Inc	2.94	2.74	0.20	-2.49
NVIDIA Corporation	2.49	2.47	0.02	2.84
Alphabet Inc	2.26	1.86	0.40	9.32
Berkshire Hathaway Inc	1.54	1.53	0.01	2.73
Meta Platforms Inc	1.33	1.59	-0.26	4.61
Tesla Inc	1.22	1.65	-0.43	-4.41
Alphabet Inc	1.17	1.60	-0.43	8.99
JPMorgan Chase & Co	0.96	1.00	-0.04	0.40
% of Portfolio	24.47	26.17	-1.70	

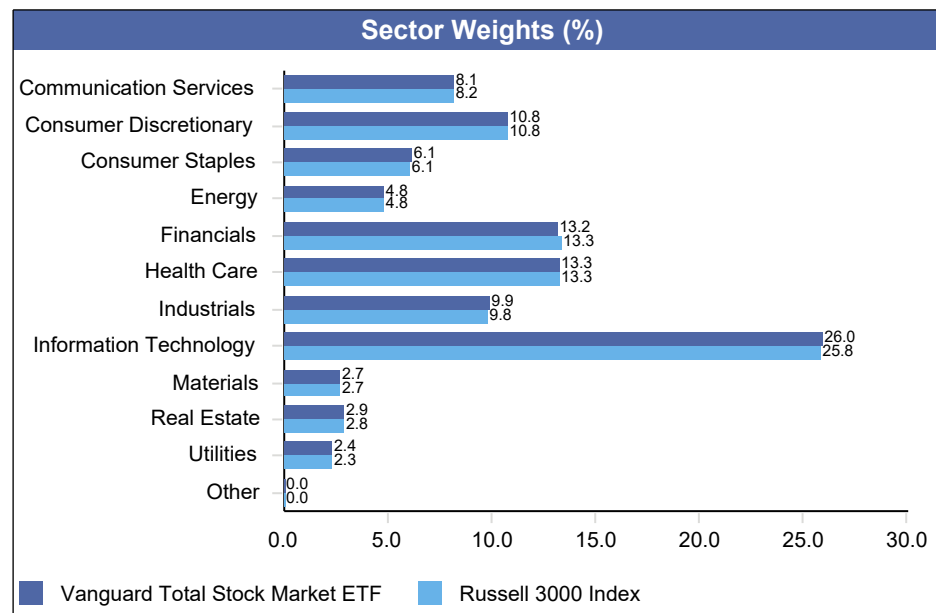
**Ten Best Performers**

	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Taysha Gene Therapies Inc	0.00	0.00	0.00	378.07
Tango Therapeutics Inc	0.00	0.00	0.00	239.16
VistaGen Therapeutics Inc	0.00	0.00	0.00	180.21
Cardlytics Inc	0.00	0.00	0.00	161.08
Groupon Inc	0.00	0.00	0.00	159.22
The Oncology Institute Inc	0.00	0.00	0.00	154.45
United States Cellular Corp	0.00	0.00	0.00	143.73
Profire Energy Inc	0.00	0.00	0.00	126.02
Telephone and Data Systems Inc	0.00	0.00	0.00	124.80
Blue Apron Holdings Inc	0.00	0.00	0.00	120.46
% of Portfolio	0.00	0.00	0.00	

The fund characteristics and top holdings shown above are based on a look-through of any underlying mutual funds or ETFs held within the Fund. ETF holdings are available daily, while mutual fund holdings are only published on a monthly or quarterly basis. As a result, holdings used for the look-through of third-party mutual funds may be as of the prior month or quarter end depending on the most recent information available at the time this report was published.

Vanguard Total Stock Market ETF vs. Russell 3000 Index

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	539,284	538,565
Median Mkt. Cap (\$M)	960	1,846
Price/Earnings ratio	20.69	20.60
Price/Book ratio	4.03	4.02
5 Yr. EPS Growth Rate (%)	17.98	18.11
Current Yield (%)	1.61	1.61
Number of Stocks	3,785	2,994

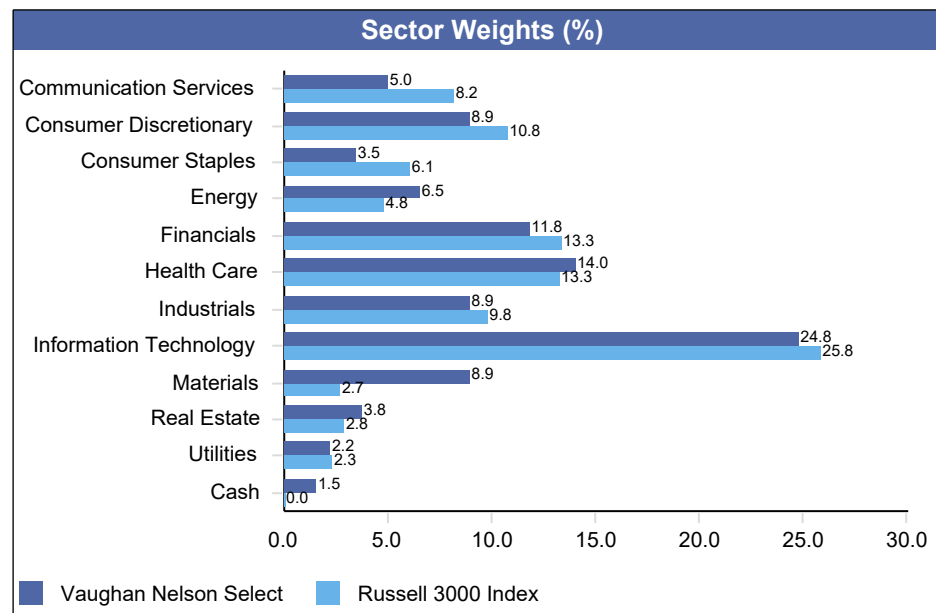


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Apple Inc	6.10	6.11	-0.01	-11.61
Microsoft Corp	5.63	5.62	0.01	-7.08
Amazon.com Inc	2.83	2.74	0.09	-2.49
NVIDIA Corporation	2.45	2.47	-0.02	2.84
Alphabet Inc	1.86	1.86	0.00	9.32
Tesla Inc	1.62	1.65	-0.03	-4.41
Meta Platforms Inc	1.60	1.59	0.01	4.61
Alphabet Inc	1.56	1.60	-0.04	8.99
Berkshire Hathaway Inc	1.50	1.53	-0.03	2.73
Exxon Mobil Corp	1.13	1.13	0.00	10.55
% of Portfolio	26.28	26.30	-0.02	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Taysha Gene Therapies Inc	0.00	0.00	0.00	378.07
Tango Therapeutics Inc	0.00	0.00	0.00	239.16
VistaGen Therapeutics Inc	0.00	0.00	0.00	180.21
Cardlytics Inc	0.00	0.00	0.00	161.08
Groupon Inc	0.00	0.00	0.00	159.22
The Oncology Institute Inc	0.00	0.00	0.00	154.45
United States Cellular Corp	0.00	0.00	0.00	143.73
Profire Energy Inc	0.00	0.00	0.00	126.02
Telephone and Data Systems Inc	0.00	0.00	0.00	124.80
Blue Apron Holdings Inc	0.00	0.00	0.00	120.46
% of Portfolio	0.00	0.00	0.00	

Vaughan Nelson Select vs. Russell 3000 Index

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	401,702	538,565
Median Mkt. Cap (\$M)	64,215	1,846
Price/Earnings ratio	27.51	20.60
Price/Book ratio	5.08	4.02
5 Yr. EPS Growth Rate (%)	16.76	18.11
Current Yield (%)	0.99	1.61
Number of Stocks	31	2,994

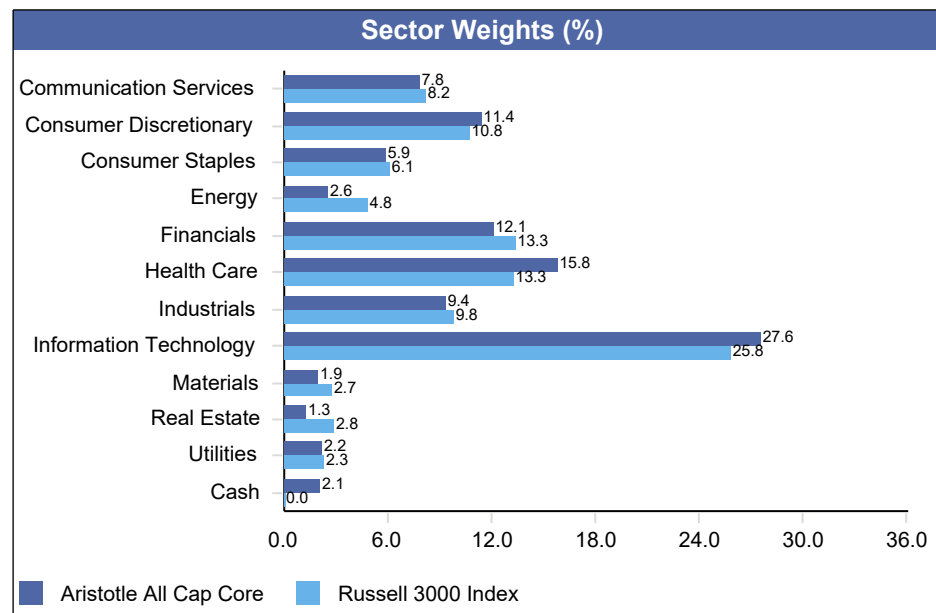


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	6.33	5.62	0.71	-7.08
Sherwin-Williams Co (The)	5.07	0.14	4.93	-3.73
Amazon.com Inc	4.82	2.74	2.08	-2.49
Intercontinental Exchange Inc	4.66	0.15	4.51	-2.36
Alphabet Inc	4.29	1.86	2.43	9.32
O'Reilly Automotive Inc	4.11	0.13	3.98	-4.86
SALESFORCE INC	3.89	0.46	3.43	-4.01
Wheaton Precious Metals Corp	3.84	0.00	3.84	-5.84
Berkshire Hathaway Inc	3.83	1.53	2.30	2.73
Zoetis Inc	3.66	0.19	3.47	1.25
% of Portfolio	44.50	12.82	31.68	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Kosmos Energy Ltd	3.48	0.01	3.47	36.56
Saia Inc	2.86	0.03	2.83	16.42
Hess Corp	3.01	0.10	2.91	12.85
Alphabet Inc	4.29	1.86	2.43	9.32
VERISK ANALYTICS INC	3.29	0.08	3.21	4.66
Danaher Corp	3.11	0.39	2.72	3.38
NVIDIA Corporation	3.37	2.47	0.90	2.84
Berkshire Hathaway Inc	3.83	1.53	2.30	2.73
Zoetis Inc	3.66	0.19	3.47	1.25
Union Pacific Corp	2.78	0.30	2.48	0.10
% of Portfolio	33.68	6.96	26.72	

Aristotle All Cap Core vs. Russell 3000 Index

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	629,404	538,565
Median Mkt. Cap (\$M)	84,671	1,846
Price/Earnings ratio	22.76	20.60
Price/Book ratio	4.75	4.02
5 Yr. EPS Growth Rate (%)	21.56	18.11
Current Yield (%)	1.14	1.61
Number of Stocks	52	2,994

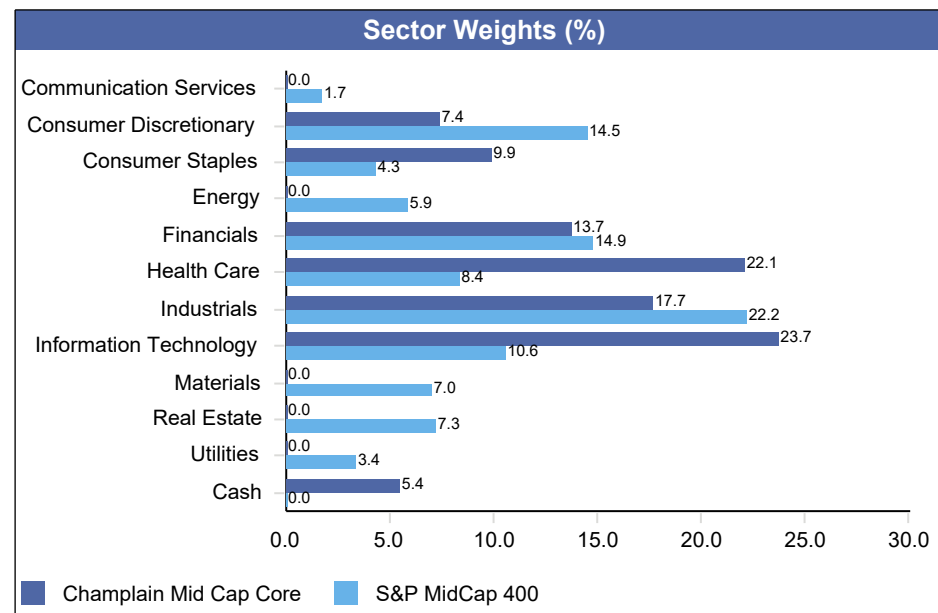


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Microsoft Corp	7.25	5.62	1.63	-7.08
Apple Inc	7.07	6.11	0.96	-11.61
Alphabet Inc	5.24	1.86	3.38	9.32
Amazon.com Inc	3.91	2.74	1.17	-2.49
NVIDIA Corporation	3.85	2.47	1.38	2.84
JPMorgan Chase & Co	2.73	1.00	1.73	0.40
Becton Dickinson and Co	2.69	0.18	2.51	-1.74
Broadcom Inc	2.63	0.80	1.83	-3.72
AMETEK Inc	2.48	0.08	2.40	-8.57
The Cigna Group	2.41	0.20	2.21	2.40
% of Portfolio	40.26	21.06	19.20	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Halliburton Co	1.55	0.09	1.46	23.25
Antero Resources Corporation	1.02	0.02	1.00	10.20
Alphabet Inc	5.24	1.86	3.38	9.32
Chubb Ltd	2.37	0.21	2.16	8.55
Marriott International Inc	1.63	0.12	1.51	7.28
Avery Dennison Corp	1.93	0.04	1.89	6.80
Trane Technologies plc	1.64	0.11	1.53	6.48
Chart Industries Inc	1.33	0.02	1.31	5.84
Synopsys Inc	1.22	0.17	1.05	5.41
Costco Wholesale Corp	2.28	0.60	1.68	5.14
% of Portfolio	20.21	3.24	16.97	

Champlain Mid Cap Core vs. S&P MidCap 400

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	20,481	7,373
Median Mkt. Cap (\$M)	16,218	5,439
Price/Earnings ratio	27.82	13.85
Price/Book ratio	4.28	2.58
5 Yr. EPS Growth Rate (%)	15.49	15.56
Current Yield (%)	0.79	1.81
Number of Stocks	57	401

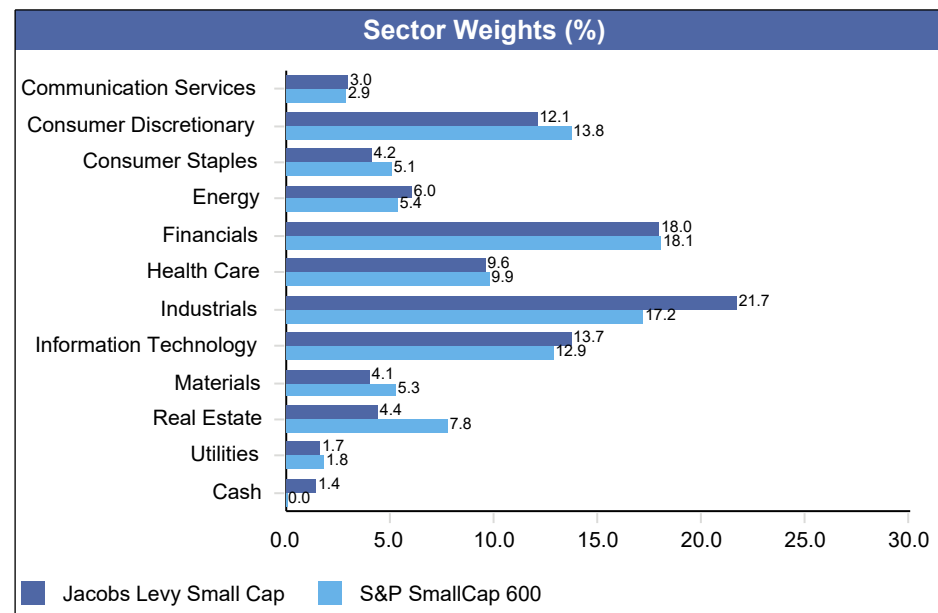


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
CASH	5.45	0.00	5.45	N/A
Fortive Corp	3.73	0.00	3.73	-0.73
Everest Group Ltd	3.62	0.00	3.62	9.21
AMETEK Inc	3.53	0.00	3.53	-8.57
OKTA INC	3.21	0.00	3.21	17.53
Workday Inc	2.74	0.00	2.74	-4.89
Pure Storage Inc	2.65	0.00	2.65	-3.26
Zscaler Inc	2.53	0.00	2.53	6.35
Veeva Systems Inc	2.47	0.00	2.47	2.89
Steris Plc	2.29	0.00	2.29	-2.24
% of Portfolio	32.22	0.00	32.22	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Nutanix Inc	2.22	0.00	2.22	24.35
AKAMAI TECHNOLOGIES INC	1.34	0.00	1.34	18.55
OKTA INC	3.21	0.00	3.21	17.53
Tradeweb Markets Inc	1.71	0.00	1.71	17.24
Domino's Pizza Inc	0.59	0.00	0.59	12.74
Repligen Corp	1.31	0.36	0.95	12.41
FactSet Research Systems Inc.	1.82	0.00	1.82	9.38
Everest Group Ltd	3.62	0.00	3.62	9.21
Ryan Specialty Holdings Inc	1.18	0.00	1.18	7.82
Zscaler Inc	2.53	0.00	2.53	6.35
% of Portfolio	19.53	0.36	19.17	

Jacobs Levy Small Cap vs. S&P SmallCap 600

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	1,907	2,510
Median Mkt. Cap (\$M)	1,038	1,533
Price/Earnings ratio	11.01	12.60
Price/Book ratio	2.00	2.15
5 Yr. EPS Growth Rate (%)	13.48	13.06
Current Yield (%)	1.54	2.02
Number of Stocks	207	601



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Axcelis Technologies Inc.	1.70	0.55	1.15	-11.06
California Resources Corp	1.62	0.37	1.25	24.29
Warrior Met Coal Inc	1.53	0.27	1.26	31.37
GMS Inc	1.50	0.27	1.23	-7.56
MYR Group Inc	1.45	0.23	1.22	-2.59
CASH	1.45	0.00	1.45	N/A
Boise Cascade Co	1.40	0.42	0.98	14.25
Yelp Inc	1.36	0.29	1.07	14.23
CSG Systems International Inc.	1.33	0.16	1.17	-2.56
Extreme Networks Inc	1.32	0.32	1.00	-7.06
% of Portfolio	14.66	2.88	11.78	

Ten Best Performers				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Helix Energy Solutions Group Inc	0.25	0.16	0.09	51.35
Daktronics Inc	0.24	0.00	0.24	39.38
Powell Industries Inc	0.73	0.08	0.65	37.26
Par Pacific Holdings Inc	1.08	0.21	0.87	35.06
HomeStreet Inc	0.10	0.00	0.10	32.79
Warrior Met Coal Inc	1.53	0.27	1.26	31.37
G III Apparel Group Ltd	0.68	0.10	0.58	29.32
Upland Software Inc	0.02	0.00	0.02	28.33
Payoneer Global Inc	0.51	0.16	0.35	27.23
ProAssurance Corp	0.81	0.10	0.71	25.18
% of Portfolio	5.95	1.08	4.87	

● **iShares Core MSCI Total International Stock**

- **Management:** BlackRock Fund Advisors is the investment adviser for the fund. The three portfolio managers responsible for managing the fund include Jennifer Hsui, Greg Savage, and Paul Whitehead.
- **Objective:** The strategy seeks to track the performance of a benchmark index that measures the investment return of the overall stock market.
- **Strategy:** The strategy employs an index replication strategy designed to track the performance of the MSCI All Country World ex-US IMI Index. The strategy uses a representative sampling approach. Representative sampling gives the Fund characteristics similar to the underlying index.

● **WCM Focused Growth**

- **Management:** The strategy is managed by Paul R. Black, Michael Trigg, Sanjay Ayer, and Jon Tringale. Paul and Michael have been with the fund since its inception in 2011. Sanjay and Jon were promoted to portfolio managers in 2020 and 2022, respectively.
- **Objective:** The strategy seeks to outperform the MSCI ACWI ex U.S. by using bottom-up security selection.
- **Strategy:** A concentrated, high-quality, growth-oriented international equity strategy, based purely on deep bottom-up fundamental research.

● **Ninety-One International Dynamic Equity**

- **Management:** The fund is co- managed by Greg Kuhnert and Adam Child. Mr. Kuhnert joined the firm in 1999 and Mr. Child joined in 2012. They have been in the investment industry for 28 and 14 years, respectively.
- **Objective:** The Strategy seeks long-term capital growth primarily through investments in compelling companies across sectors and geographies, excluding the United States.
- **Strategy:** The strategy utilizes a 4-factor front end screen (strategy, earnings, value, technicals) followed by fundamental analysis to identify companies with sustainable returns of capital and strong business growth drivers. This strategy tends to be concentrated in 50-70 companies. The benchmark for this strategy is the MSCI AC World ex U.S. Index.

● **Acadian Non-U.S. Equity**

- **Management:** The investment team is overseen by CIO, Brendan Bradley, who has been with the firm since 2004. Also leading the investment team are Ryan Taliaferro, Malcolm Baker, Alexandre Voitenok.
- **Objective:** The strategy seeks to provide long term growth by investing in global securities outside of the U.S.
- **Strategy:** Systematic, quantitatively managed strategy with an all-cap approach utilizing value, quality, growth, and technical factors for security selection.

### ● Aristotle International Equity

- **Management:** The strategy is managed by a team of three Portfolio Managers, Howard Gleicher, CFA, Geoffrey Stewart, CFA, and Sean Thorpe, with all decisions made by unanimous approval. The three PMs are supported by a 12-member global sector analyst team.
- **Objective:** The strategy's focus is on identifying high quality stocks, selling at attractive valuations, and with some compelling catalyst for future growth.
- **Strategy:** Aristotle's "value equity" strategies are based on a uniform investment philosophy of investing in high quality businesses trading at discounts to their estimates of intrinsic value. Valuation is looked at through different lens: relative valuation, strategic value for a buyer, discounted cash flows, and attractive company fundamentals relative to peers. Quality, Valuation, and Catalysts are the basis for all of their investment decisions.

### ● Virtus Kayne Anderson International Small Cap Equity

- **Management:** The fund is co-managed by Craig Thrasher and Hyung Kim. Mr. Kim became co-PM in January 2019 when the prior portfolio manager stepped back. Both are supported by four research analysts who oversee the small cap product. All six members on the team are generalists with dedicated stock coverage.
- **Objective:** The Fund seeks to invest in international small-cap companies with durable business models and high profitability at attractive prices.
- **Strategy:** The Fund combines quantitative screens with fundamental analysis to identify high-quality companies with a sustainable competitive advantage. Fundamental analysis includes reviewing industry data, regulatory filings, and comprehensive meetings with company management. The team has a specific focus on capital efficiency, growth profile, capital structure, and business resiliency. The quantitative assessment includes searching for a high sustainable rate on capital, low debt, and high free cash flow. The team conducts valuation analysis, primarily using EV/EBIT multiples, to determine the entry point.

### ● Schroders Emerging Markets Equity

- **Management:** The fund is managed by a team of six portfolio managers led by Tom Wilson, Schroders' Head of Emerging Markets Equity. He has worked at Schroders since 2001 and has been involved with emerging markets equities at Schroders since 2004.
- **Objective:** The Fund seeks capital appreciation.
- **Strategy:** The Fund employs an actively managed approach that combines fundamental, bottom-up stock research with a quantitative country allocation process. Country rankings are prepared through evaluation of valuation, growth, currency, momentum, and interest rates. Stock level research targets a core universe of the most liquid stocks in the emerging markets universe, utilizing a relative value approach for stocks across the growth/value spectrum without any systematic style bias. Comprehensive risk controls are employed to keep factor exposures in check and constrain strategy-level tracking error to moderate levels.



● **iShares MSCI Emerging Markets ex China**

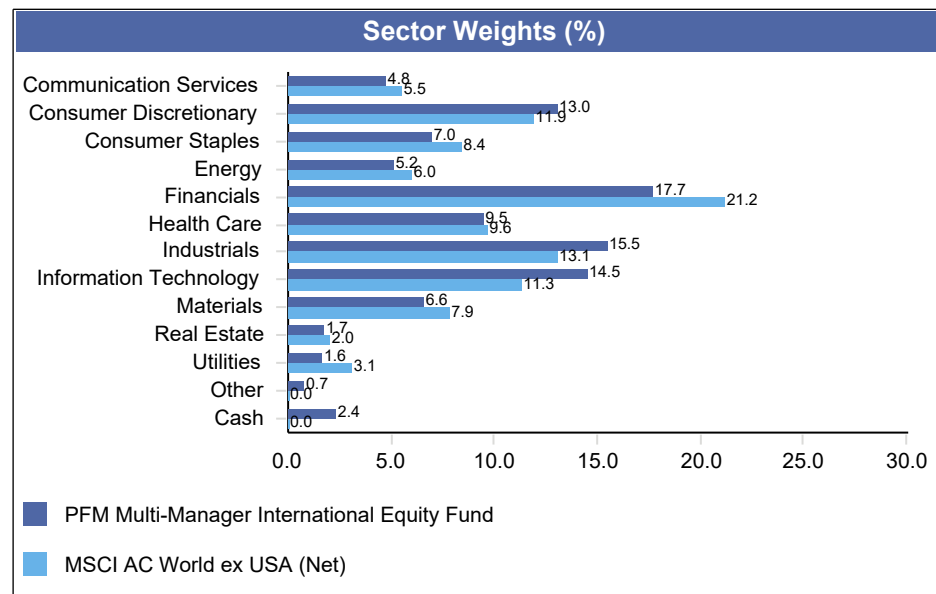
- **Management:** BlackRock Fund Advisors is the investment adviser for the Fund. The three portfolio managers responsible for the Fund include Jennifer Hsui, Greg Savage, and Paul Whitehead.
- **Objective:** The strategy seeks to track the performance of a benchmark index that measures the investment return of stocks of large- and mid-capitalization emerging markets equities, excluding China.
- **Strategy:** The strategy employs an index replication strategy designed to track the performance of the MSCI Emerging Markets ex China Index. The strategy uses a representative sampling approach. Representative sampling gives the Fund characteristics similar to the underlying index.

## Portfolio Characteristics

As of September 30, 2023

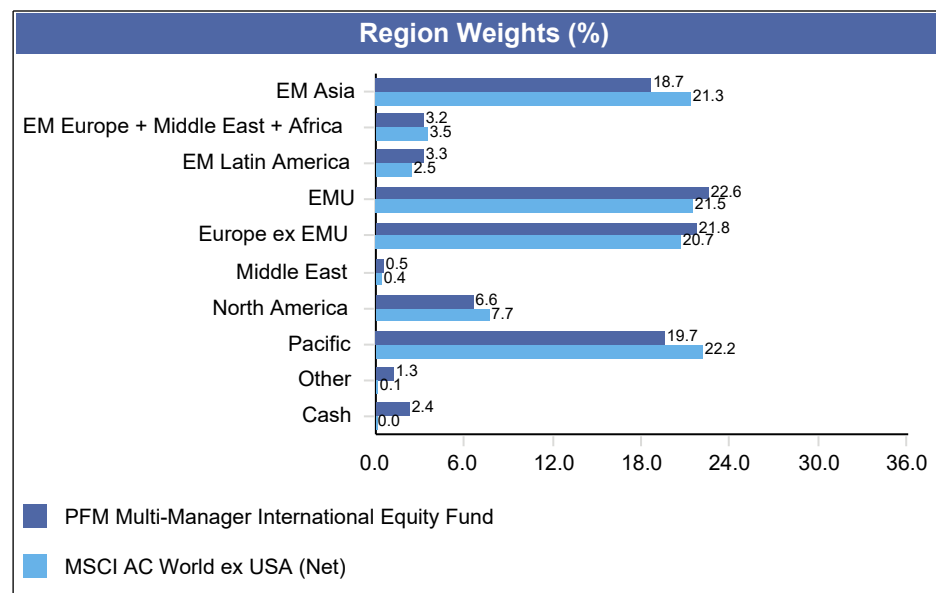
PFM Multi-Manager International Equity vs. MSCI AC World ex USA (net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	75,038	82,288
Median Mkt. Cap (\$M)	2,685	8,822
Price/Earnings ratio	14.11	12.82
Price/Book ratio	2.61	2.36
5 Yr. EPS Growth Rate (%)	11.93	10.48
Current Yield (%)	2.91	3.38
Number of Stocks	4,564	2,320



### Top Ten Equity Holdings

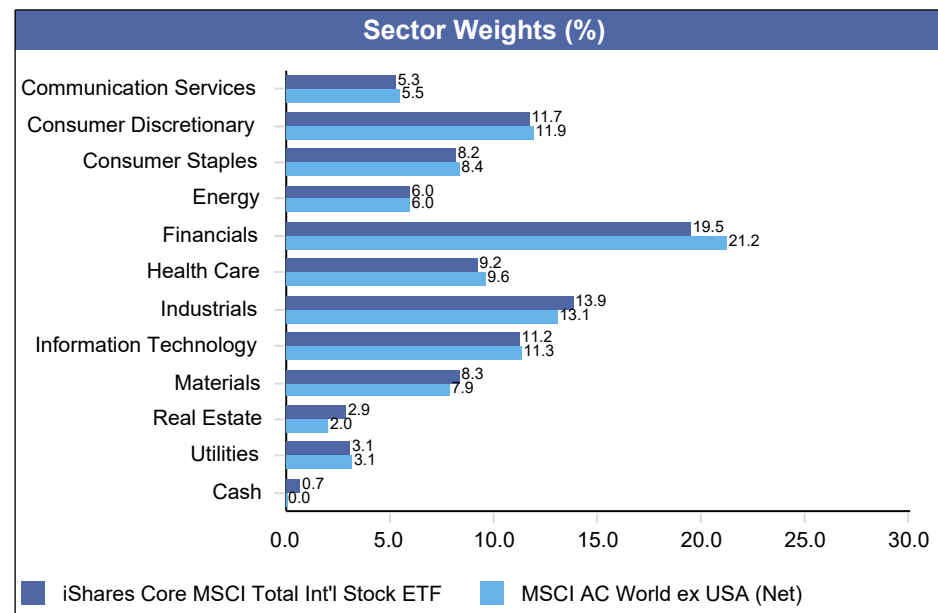
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	1.86	1.30	0.56	14.05
LVMH Moët Hennessy Louis Vuitton	1.47	0.91	0.56	-19.44
Taiwan Semiconductor Manufacturing Co	1.39	1.73	-0.34	-11.92
Samsung Electronics Co Ltd	1.31	1.05	0.26	-7.49
AstraZeneca PLC	1.17	0.91	0.26	-4.87
Sony Group Corporation	0.99	0.45	0.54	-8.26
Accenture PLC	0.83	0.00	0.83	-0.12
SAP SE	0.82	0.59	0.23	-4.76
Novartis AG	0.79	0.91	-0.12	2.00
AIA Group Ltd	0.74	0.41	0.33	-18.71
% of Portfolio	11.37	8.26	3.11	



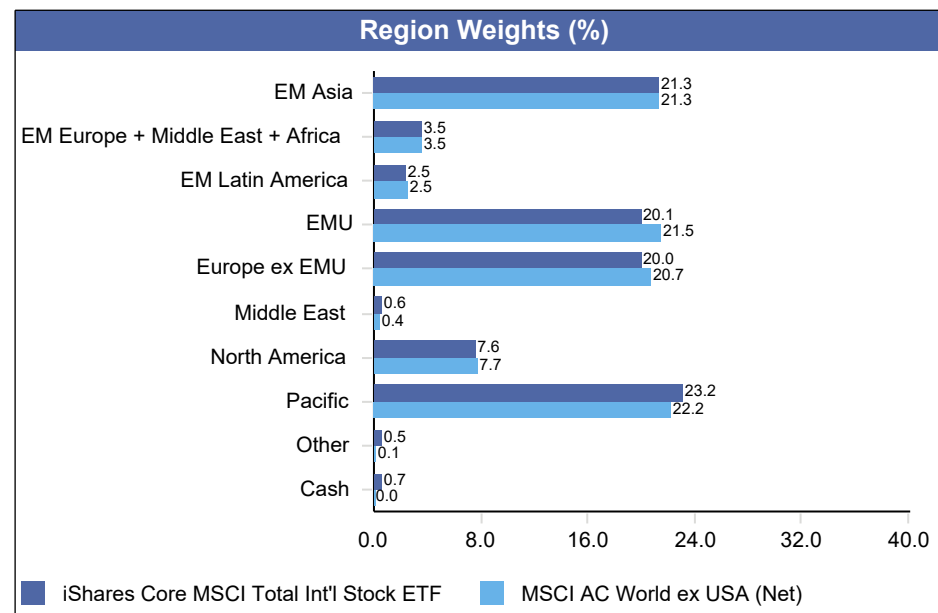
The fund characteristics and top holdings shown above are based on a look-through of any underlying mutual funds or ETFs held within the Fund. ETF holdings are available daily, while mutual fund holdings are only published on a monthly or quarterly basis. As a result, holdings used for the look-through of third-party mutual funds may be as of the prior month or quarter end depending on the most recent information available at the time this report was published.

iShares Core MSCI Total Int'l Stock ETF vs. MSCI AC World ex USA (Net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	70,306	82,288
Median Mkt. Cap (\$M)	2,791	8,822
Price/Earnings ratio	12.81	12.82
Price/Book ratio	2.33	2.36
5 Yr. EPS Growth Rate (%)	10.63	10.48
Current Yield (%)	3.40	3.38
Number of Stocks	4,354	2,320

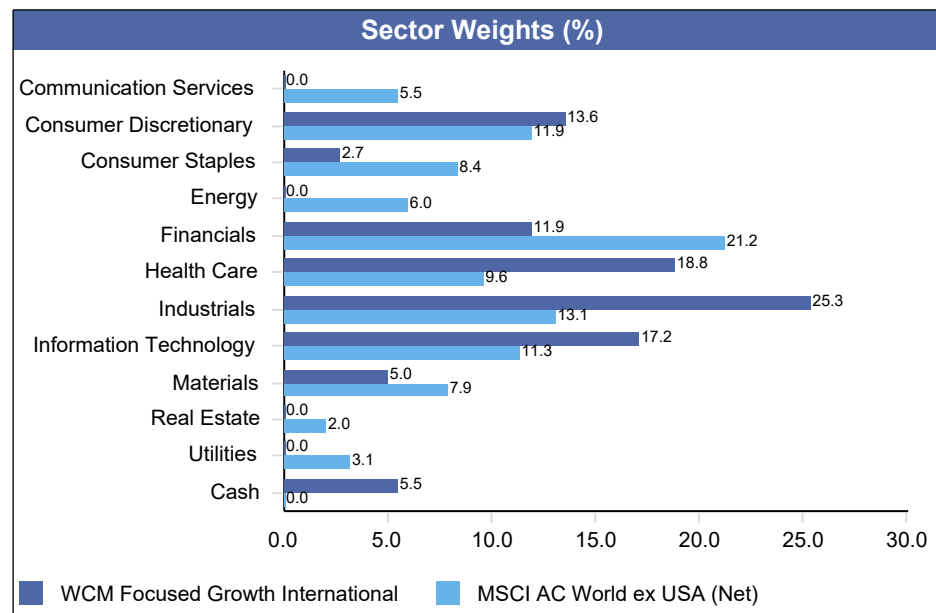


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Taiwan Semicon Manu Co	1.47	1.73	-0.26	-11.92
Nestle SA, Cham Und Vevey	1.12	1.31	-0.19	-5.71
Novo Nordisk A/S	1.11	1.30	-0.19	14.05
Tencent Holdings LTD	0.97	1.14	-0.17	-7.60
Samsung Electronics Co Ltd	0.89	1.05	-0.16	-7.49
ASML Holding NV	0.88	1.04	-0.16	-17.98
Shell Plc	0.79	0.93	-0.14	7.94
Novartis AG	0.78	0.91	-0.13	2.00
Astrazeneca PLC	0.78	0.91	-0.13	-4.87
LVMH Moet Hennessy Louis Vui	0.77	0.91	-0.14	-19.44
% of Portfolio	9.56	11.23	-1.67	

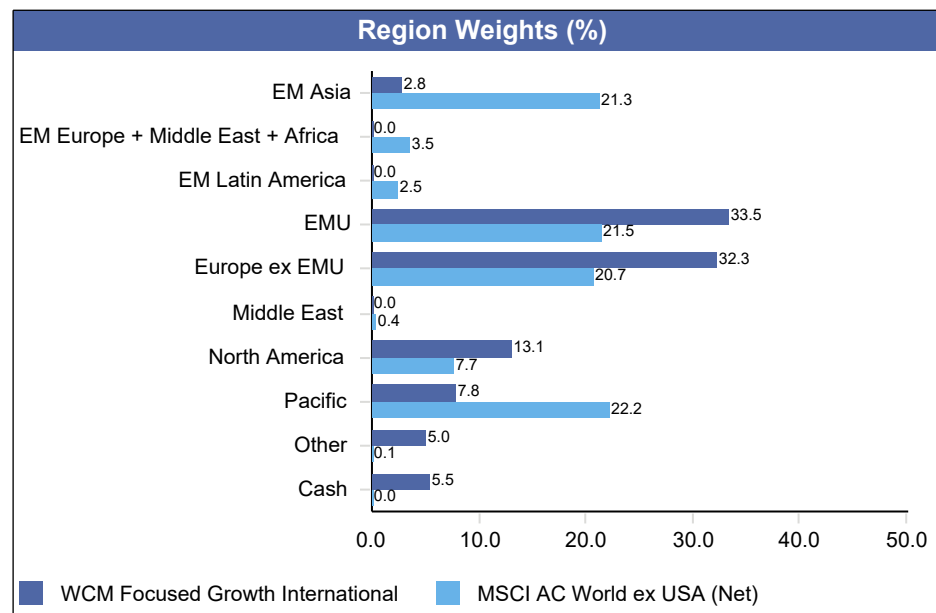


WCM Focused Growth International vs. MSCI AC World ex USA (Net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	96,851	82,288
Median Mkt. Cap (\$M)	41,445	8,822
Price/Earnings ratio	24.87	12.82
Price/Book ratio	4.87	2.36
5 Yr. EPS Growth Rate (%)	19.41	10.48
Current Yield (%)	1.09	3.38
Number of Stocks	35	2,320

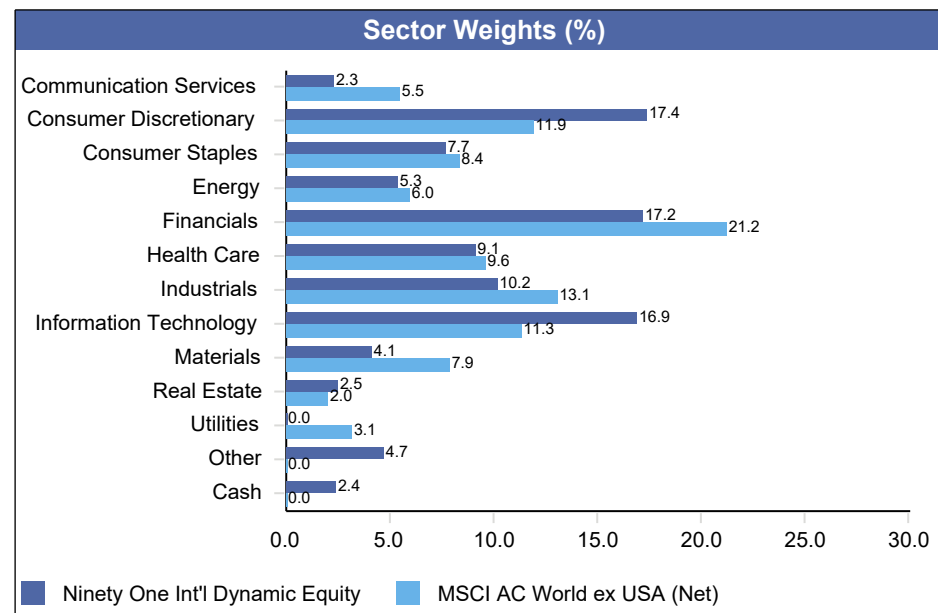


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	5.66	1.30	4.36	14.05
Canadian Pacific Kansas City Ltd	5.48	0.30	5.18	-7.70
CASH	5.48	0.00	5.48	N/A
Icon PLC	4.40	0.00	4.40	-1.58
Ferrari NV	4.13	0.16	3.97	-9.37
Aon plc	3.83	0.00	3.83	-5.90
Atlassian Corp	3.58	0.00	3.58	20.08
Schneider Electric SA	3.43	0.39	3.04	-8.48
Astrazeneca PLC	3.02	0.91	2.11	-4.87
Arch Capital Group Ltd	3.01	0.00	3.01	6.49
% of Portfolio	42.02	3.06	38.96	

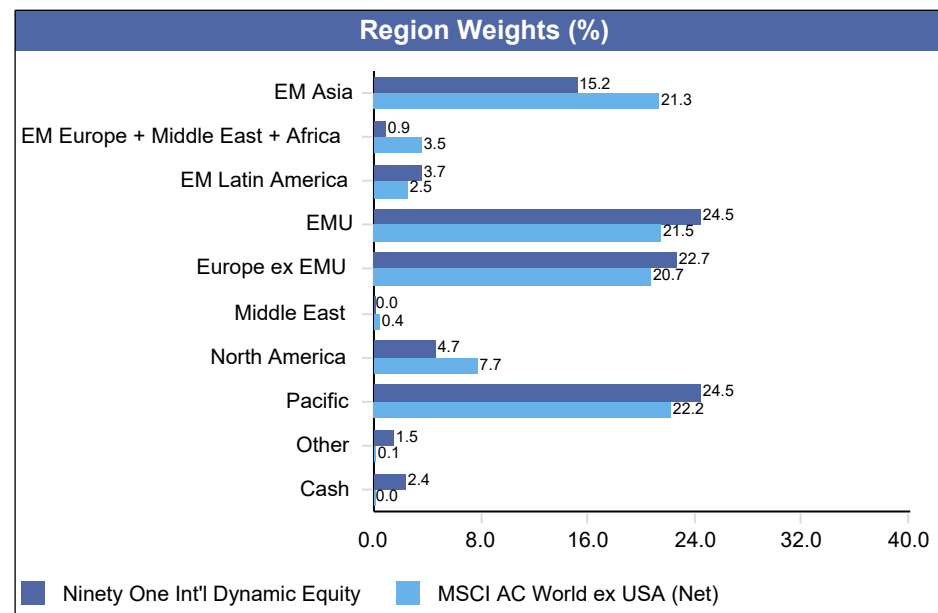


Ninety One Int'l Dynamic Equity vs. MSCI AC World ex USA (Net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	95,791	82,288
Median Mkt. Cap (\$M)	36,969	8,822
Price/Earnings ratio	15.26	12.82
Price/Book ratio	2.76	2.36
5 Yr. EPS Growth Rate (%)	11.29	10.48
Current Yield (%)	2.58	3.38
Number of Stocks	57	2,320

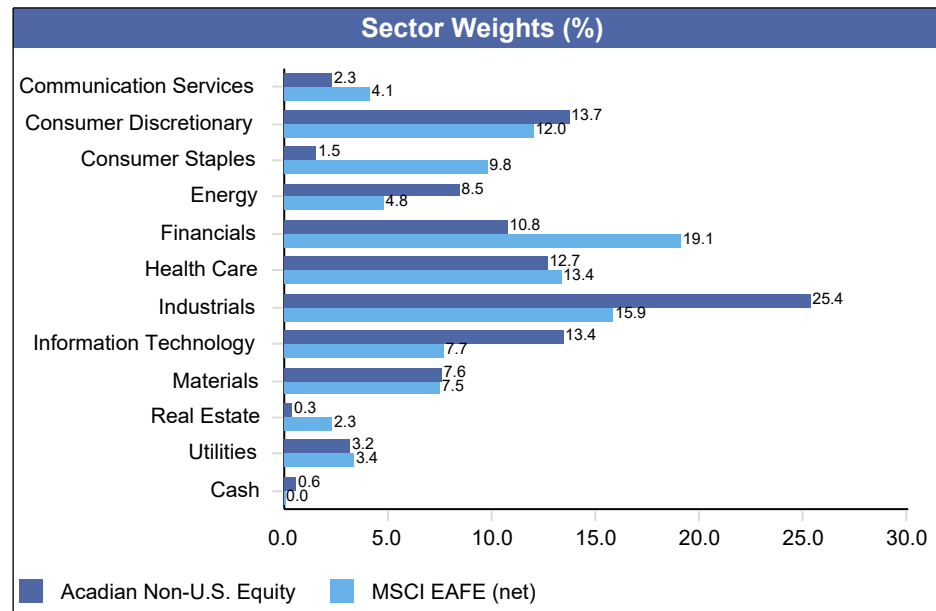


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	3.77	1.30	2.47	14.05
Astrazeneca PLC	3.54	0.91	2.63	-4.87
iShares Trust - MSCI India ETF	3.51	0.00	3.51	1.19
SAP SE	3.22	0.59	2.63	-4.76
BP PLC	3.20	0.49	2.71	12.60
LVMH Moet Hennessy Louis Vui	3.07	0.91	2.16	-19.44
Taiwan Semicon Manu Co ADR	3.01	1.73	1.28	-13.45
Sony Group Corporation	2.48	0.45	2.03	-8.26
Samsung Electronics Co Ltd	2.39	1.05	1.34	-7.49
CASH	2.39	0.00	2.39	N/A
% of Portfolio	30.58	7.43	23.15	

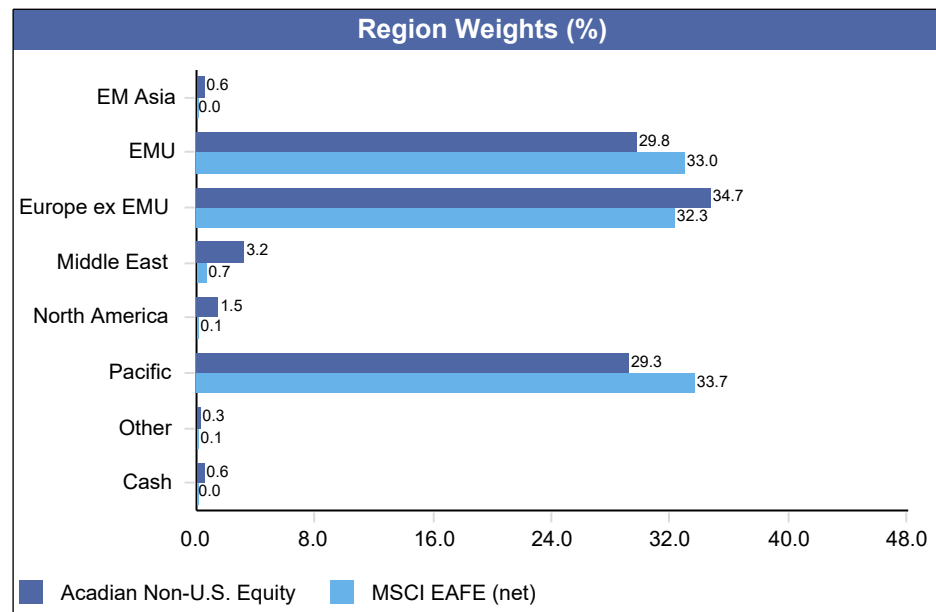


Acadian Non-U.S. Equity vs. MSCI EAFE (net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	59,536	81,293
Median Mkt. Cap (\$M)	1,341	12,129
Price/Earnings ratio	8.66	12.98
Price/Book ratio	2.70	2.43
5 Yr. EPS Growth Rate (%)	15.88	9.32
Current Yield (%)	3.76	3.50
Number of Stocks	284	795

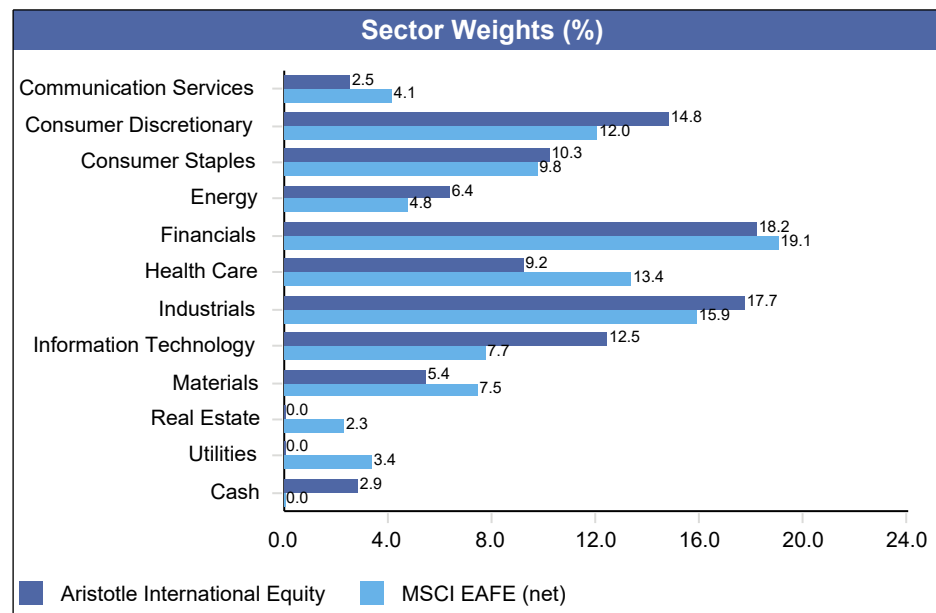


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Novo Nordisk A/S	3.79	2.02	1.77	14.05
Shell Plc	3.04	1.44	1.60	7.94
BP PLC	2.94	0.76	2.18	11.01
Novartis AG	2.72	1.42	1.30	2.00
Stellantis NV	2.51	0.29	2.22	9.83
Industria De Diseno Textil Inditex SA	2.49	0.28	2.21	-3.42
Volvo AB	2.46	0.21	2.25	0.58
Roche Holding AG	2.41	1.30	1.11	-10.44
SAP SE	1.71	0.92	0.79	-4.76
Aristocrat Leisure Ltd	1.70	0.11	1.59	2.45
% of Portfolio	25.77	8.75	17.02	

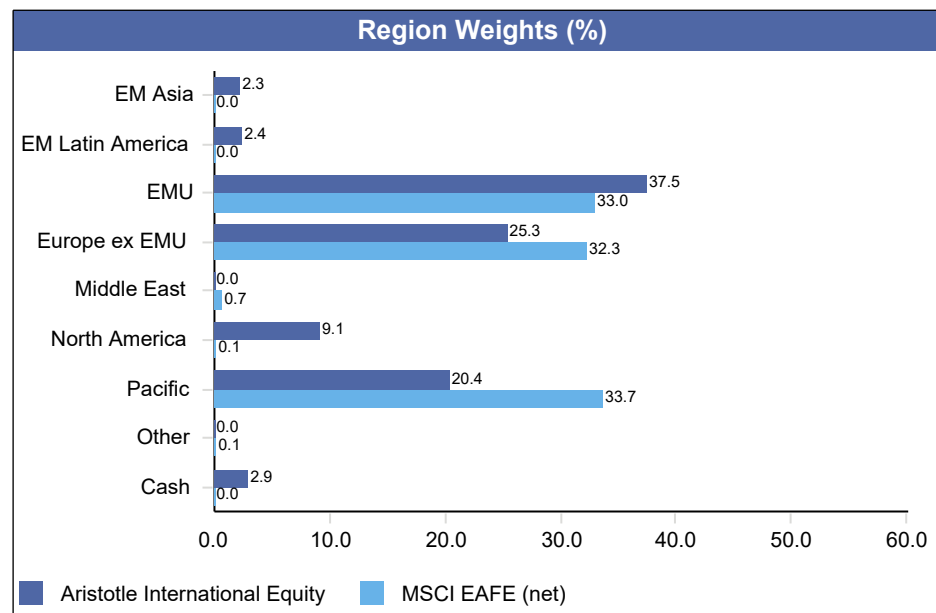


Aristotle International Equity vs. MSCI EAFE (net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	62,049	81,293
Median Mkt. Cap (\$M)	28,182	12,129
Price/Earnings ratio	18.10	12.98
Price/Book ratio	2.37	2.43
5 Yr. EPS Growth Rate (%)	8.16	9.32
Current Yield (%)	2.41	3.50
Number of Stocks	39	795

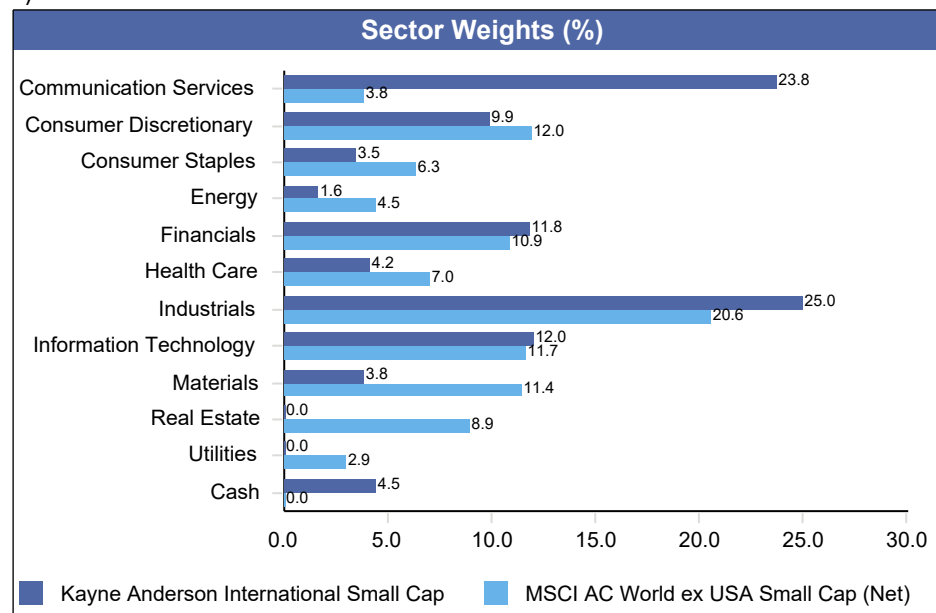


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Accenture PLC	4.78	0.00	4.78	-0.12
Muenchener Rueck-Gesllft Aktgslht	4.11	0.36	3.75	4.25
Sony Group Corporation	3.60	0.70	2.90	-8.26
Ashtead Group PLC	3.57	0.18	3.39	-10.76
Cameco Corp	3.43	0.00	3.43	27.13
Brookfield Corp	3.43	0.00	3.43	-6.61
Pan Pacific International Holdings	3.32	0.05	3.27	18.13
LVMH Moet Hennessy Louis Vui	3.14	1.42	1.72	-19.44
Dassault Systemes SA	3.03	0.17	2.86	-15.69
Haleon plc	2.97	0.16	2.81	2.11
% of Portfolio	35.38	3.04	32.34	

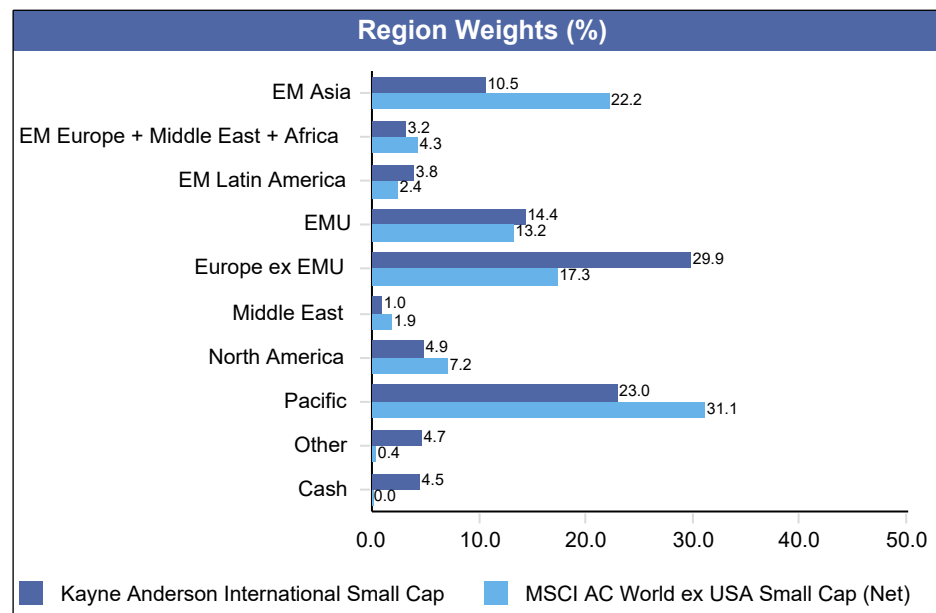


Kayne Anderson International Small Cap vs. MSCI AC World ex USA Small Cap (Net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	2,349	2,316
Median Mkt. Cap (\$M)	1,008	984
Price/Earnings ratio	17.00	12.91
Price/Book ratio	3.59	2.19
5 Yr. EPS Growth Rate (%)	7.00	10.70
Current Yield (%)	2.95	3.13
Number of Stocks	41	4,419



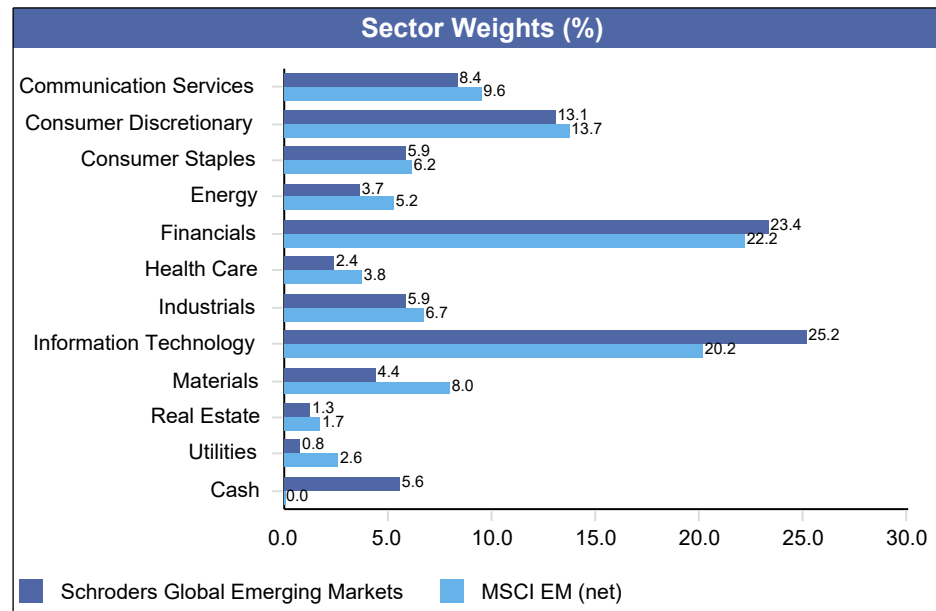
Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Baltic Classifieds Group PLC	4.71	0.00	4.71	2.49
CASH	4.47	0.00	4.47	N/A
Auto Trader Group plc	4.43	0.00	4.43	-1.95
Rightmove PLC	4.37	0.15	4.22	3.83
Haw Par Corp Ltd	4.18	0.00	4.18	6.70
Alten, Boulogne-Billancourt	3.89	0.11	3.78	-15.31
Corporacion Moctezuma SAB	3.83	0.00	3.83	9.29
Bouvet ASA	3.83	0.00	3.83	-12.04
Heineken Malaysia Bhd	3.46	0.02	3.44	-7.37
CAE Inc.	3.35	0.00	3.35	4.67
% of Portfolio	40.52	0.28	40.24	



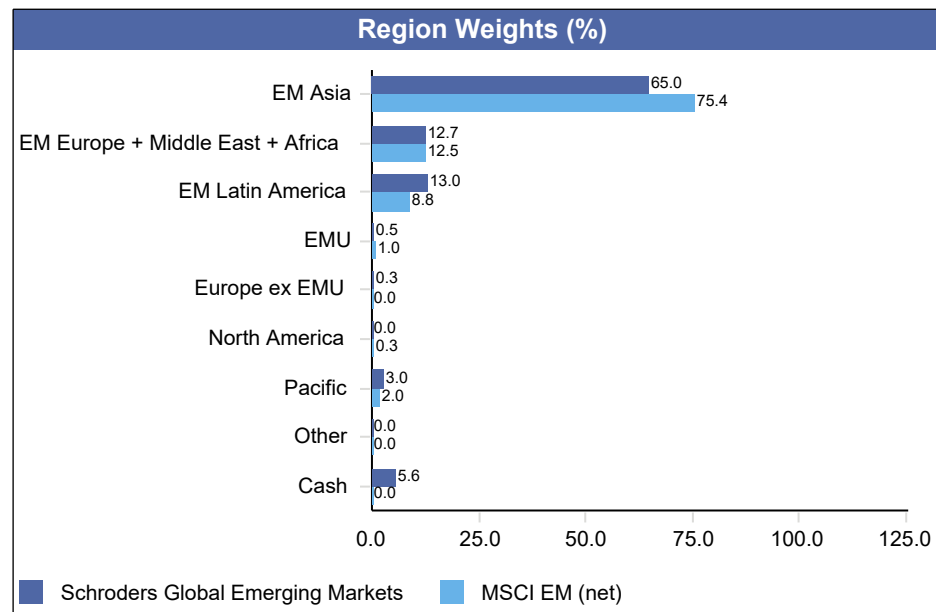


Schroders Global Emerging Markets vs. MSCI EM (net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	112,915	93,495
Median Mkt. Cap (\$M)	13,206	6,341
Price/Earnings ratio	12.57	12.11
Price/Book ratio	2.06	2.37
5 Yr. EPS Growth Rate (%)	13.86	14.19
Current Yield (%)	2.98	3.08
Number of Stocks	118	1,437

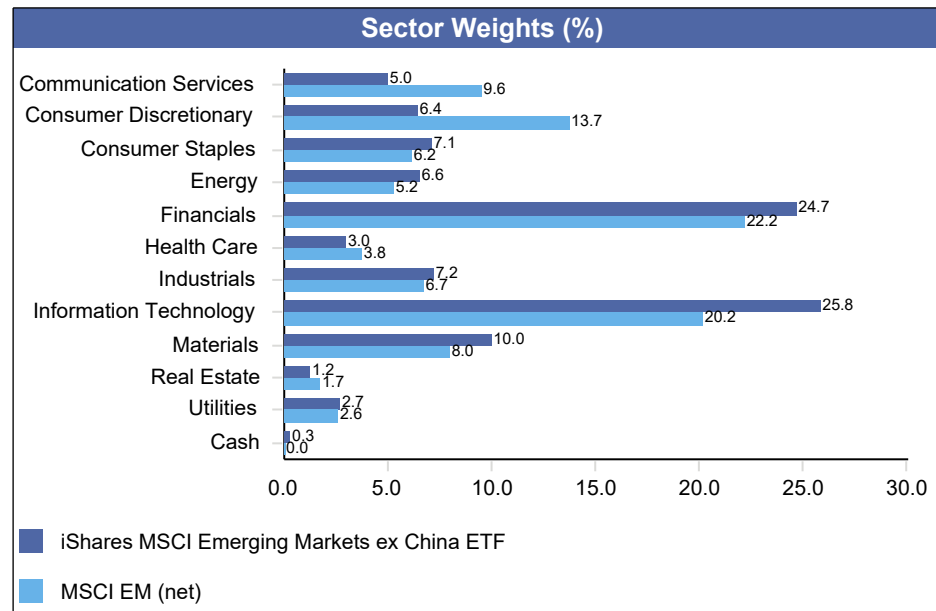


Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Taiwan Semicon Manu Co	7.57	6.12	1.45	-11.92
Samsung Electronics Co Ltd	6.39	3.71	2.68	-7.49
CASH	5.56	0.00	5.56	N/A
Tencent Holdings LTD	5.05	4.02	1.03	-7.60
Alibaba Group Holding Ltd	3.73	2.75	0.98	5.48
Icici Bank Ltd	2.23	0.91	1.32	1.00
H D F C Bank Ltd	2.20	0.79	1.41	-14.45
Infosys Ltd	2.07	0.88	1.19	6.47
AIA Group Ltd	1.68	0.00	1.68	-18.71
Hon Hai Precision Industry Co Ltd	1.67	0.62	1.05	-6.92
% of Portfolio	38.15	19.80	18.35	

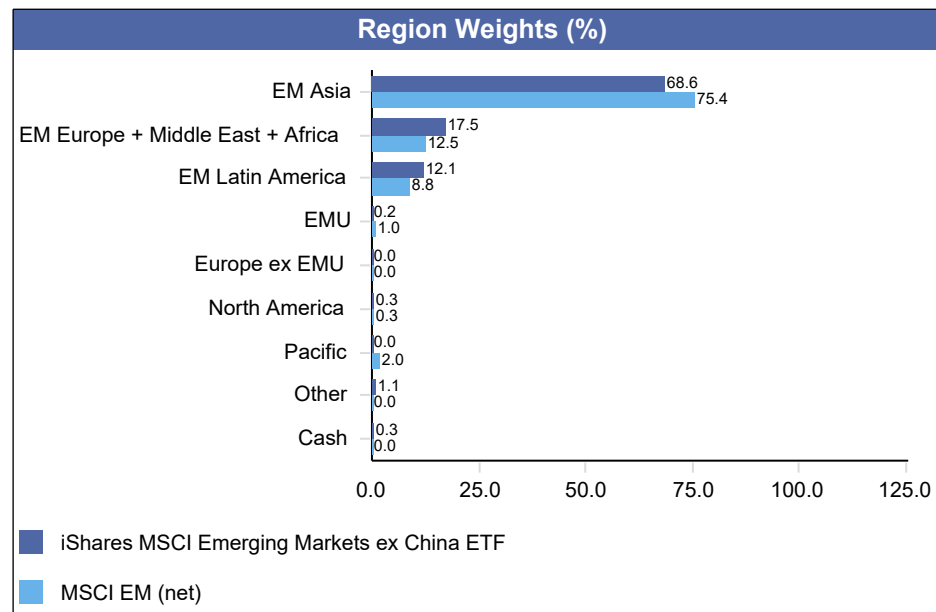


iShares MSCI Emerging Markets ex China ETF vs. MSCI EM (net)

Portfolio Characteristics		
	Portfolio	Benchmark
Wtd. Avg. Mkt. Cap (\$M)	93,807	93,495
Median Mkt. Cap (\$M)	7,050	6,341
Price/Earnings ratio	12.77	12.11
Price/Book ratio	2.30	2.37
5 Yr. EPS Growth Rate (%)	14.70	14.19
Current Yield (%)	3.44	3.08
Number of Stocks	710	1,437



Top Ten Holdings				
	Portfolio Weight (%)	Benchmark Weight (%)	Active Weight (%)	Quarterly Return (%)
Taiwan Semicon Manu Co	8.57	6.12	2.45	-11.92
Samsung Electronics Co Ltd	5.15	3.71	1.44	-7.49
Reliance Industries Ltd	1.84	1.32	0.52	-8.84
Icici Bank Ltd	1.27	0.91	0.36	1.45
Infosys Ltd	1.23	0.88	0.35	6.18
H D F C Bank Ltd	1.10	0.79	0.31	-11.38
SK Hynix Inc	0.99	0.71	0.28	-2.78
Vale SA	0.99	0.70	0.29	2.25
Hon Hai Precision Industry Co Ltd	0.86	0.62	0.24	-6.92
Tata Consultancy Services Ltd	0.83	0.60	0.23	5.84
% of Portfolio	22.83	16.36	6.47	



### ◆ PGIM - Core Fixed Income

- **Management:** Michael Collins, CFA (since 2009), Richard Piccirillo (2012) and Gregory Peters (2014) are Senior Portfolio Managers.
- **Objective:** The strategy seeks to outperform the Bloomberg US Aggregate Index over full market cycles.
- **Strategy:** The strategy invests in a broad range of fixed income securities, including U.S. government securities, corporate bonds, taxable municipal securities and mortgage-backed or other asset-backed securities. The strategy may also invest in a limited amount of non-investment grade securities.

The investment process for Core Fixed Income portfolios utilizes both top-down and bottom-up approaches. Sector allocation, duration, yield curve, and “industry bias” decisions are made using top-down research derived from a range of internal sources, including our global macroeconomic research team and heads of the sector investment teams, as well as external sources. Actual subsector and security selections are made by sector specialists after conducting bottom-up fundamental and quantitative research and relative value analysis.

### ◆ TIAA –Core Bond

- **Management:** Stephen Liberatore, CFA is a Managing Director and Lead Portfolio Manager (2010)
- **Objective:** The strategy seeks a favorable long-term total return through income and capital appreciation while giving special consideration to certain environmental, social, and governance (“ESG”) criteria.
- **Strategy:** The strategy invests in a broad range of fixed income securities, including U.S. government securities, corporate bonds, taxable municipal securities and mortgage-backed or other asset-backed securities. The strategy may also invest in a limited amount of non-investment grade securities. The strategy seeks to add value through duration and yield-curve positioning, sector allocation and security selection. The evaluation process favors companies with leadership in ESG performance relative to their peers.

### ◆ iShares Core U.S Aggregate Bond ETF

- **Management:** James Mauro and Karen Uyehara (the “Portfolio Managers”) are primarily responsible for the day-to-day management of the Fund. Mr. Mauro and Ms. Uyehara have been co-managing the Fund since 2011 and 2021, respectively.
- **Objective:** The Fund seeks to track the investment results of the Bloomberg U.S. Aggregate Bond Index.
- **Strategy:** BlackRock Fund Advisors (“BFA”) uses a “passive” or indexing approach to try to achieve the Fund’s investment objective. Unlike many investment companies, the Fund does not try to “beat” the index it tracks and does not seek temporary defensive positions when markets decline or appear overvalued.

### ● PineBridge – Investment Grade Credit

- **Management:** Robert Vanden Assem, CFA, Managing Director and Head of Developed Markets IG Fixed Income (2001) & Dana Burns, Sr. Portfolio Manager (2007)
- **Objective:** The total return strategy seeks strong returns by combining a top-down view with a bottom-up, credit intensive research process.
- **Strategy:** The strategy invests in USD-denominated investment grade credit, focused in the corporate sector. The portfolio is constructed combining views of fundamentals, valuations and market technicals affecting sector and individual securities.

### ● Brown Brothers Harriman – Structured Fixed Income

- **Management:** Neil Hohmann, PhD, Head of Structured Products (2006), Andrew Hofer, Head of Taxable Portfolio Management (2006) & Chris Ling (2020)
- **Objective:** To deliver attractive long-term results through capital preservation and taking advantage of differences between valuations and fundamentals through a bottom-up research process.
- **Strategy:** The strategy is an investment grade portfolio focused on asset-backed securities backed by assets other than real estate (also known as non-traditional asset-backed securities). These securities will include a mix of equipment leases, commercial royalty and insurance-linked, and broad consumer related including: credit card, auto loans, student loans and debt refinancing. The structured fixed-income strategy may also invest a limited amount in commercial mortgage-backed securities and municipal debt instruments that are secured by tangible asset collateral or revenue streams. The structured fixed-income strategies are constructed using either a bottom-up investment approach or a quantitative framework to assess valuation and long-term return potential.

### ● BrandywineGLOBAL High Yield

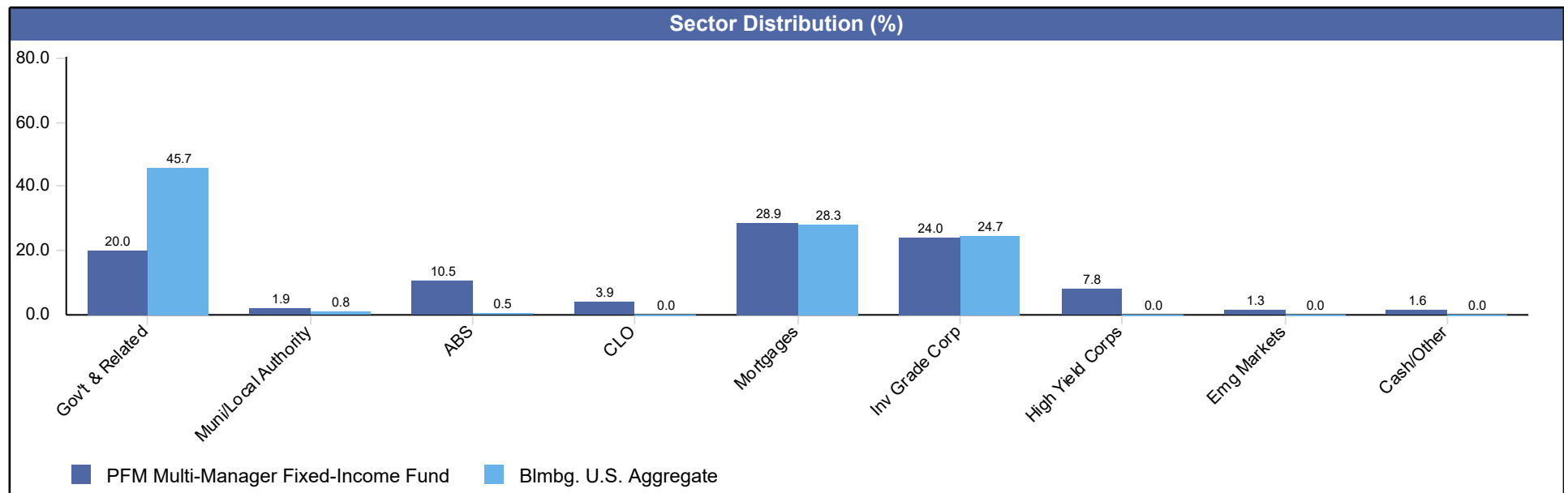
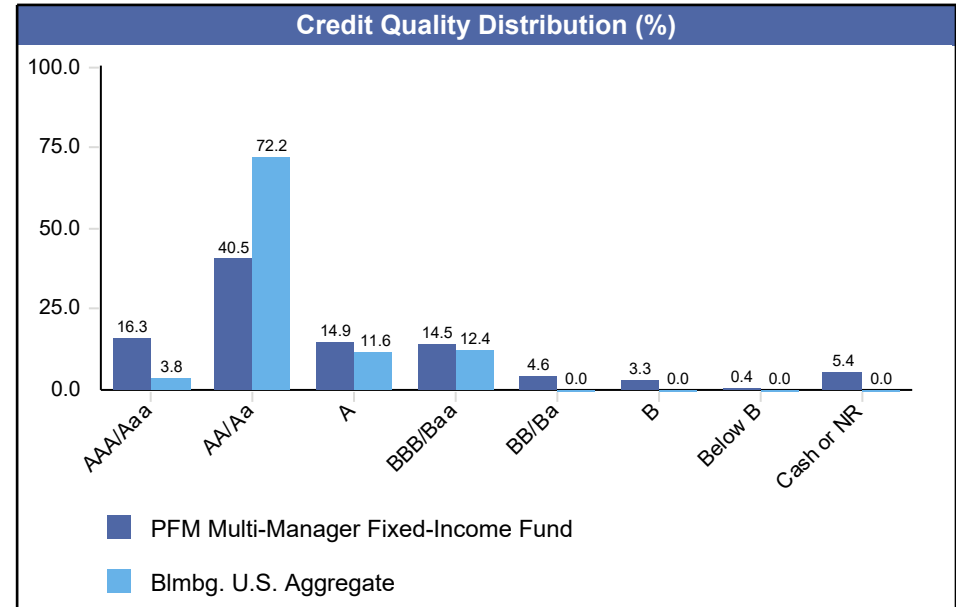
- **Management:** Bill Zox, CFA and John McClain, CFA have led the fund since it's inception in 2014. Jack Parker, CFA was added as co-portfolio manager in 2023.
- **Objective:** Seeks high current income with the opportunity for capital appreciation.
- **Strategy:** The fund generally holds over 80% of its assets in corporate debt rated below investment grade. Securities are purchased when they believe the yield and total return potential are attractive relative to asset and interest coverage and comparable securities.

### ● Mainstay MacKay Shields High Yield Corporate

- **Management:** Andrew Susser is the lead portfolio manager (since 2013). He is supported by about a dozen analysts and traders.
- **Objective:** To outperform the high yield market over the long term through superior credit selection, while mitigating downside risks.
- **Strategy:** A bottom-up, value-oriented approach to investing in the high yield market. The team sets a minimum of 1.5x asset coverage on the universe of corporate bonds then breaks down the remainder into four risk groups with differing spread levels needed for potential inclusion. The result is a diversified portfolio that may include some exposure to loans or investment grade credits.

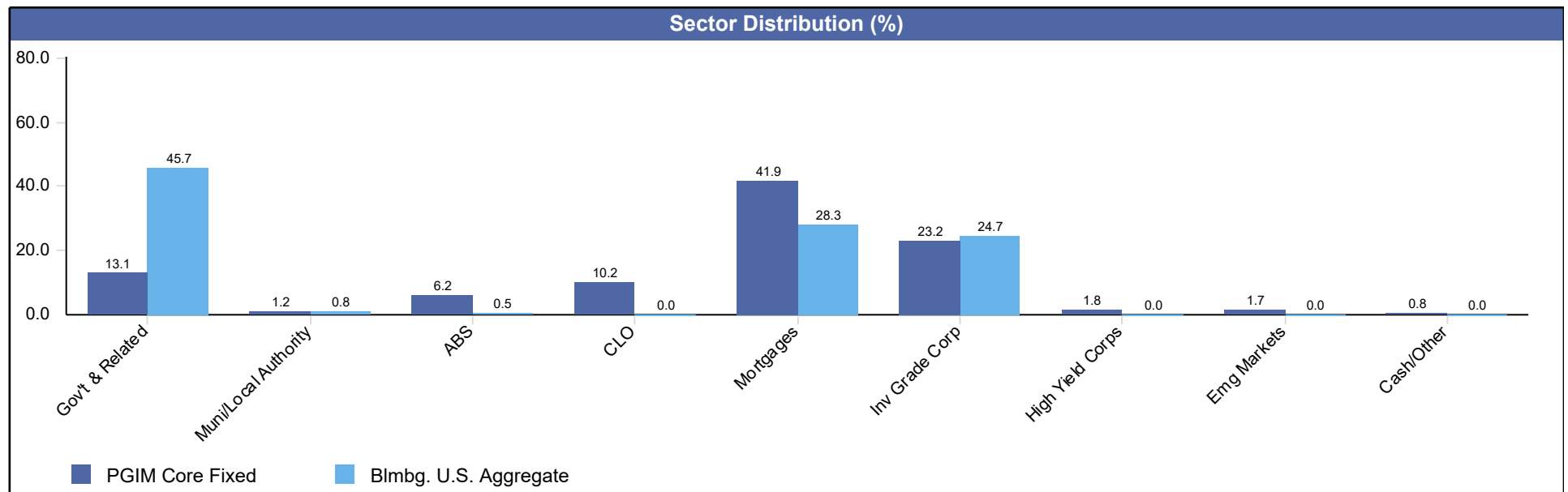
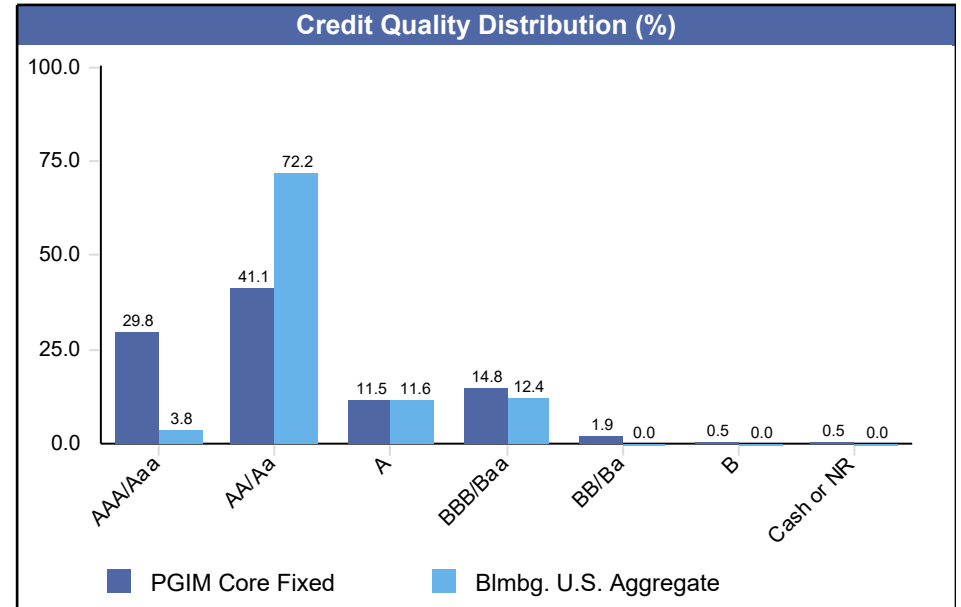
PFM Multi-Manager Fixed-Income Fund vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	5.58	6.15
Yield To Maturity (%)	6.50	5.39
Avg. Maturity	8.02	8.49
Avg. Quality	A	AA
Coupon Rate (%)	3.72	2.99



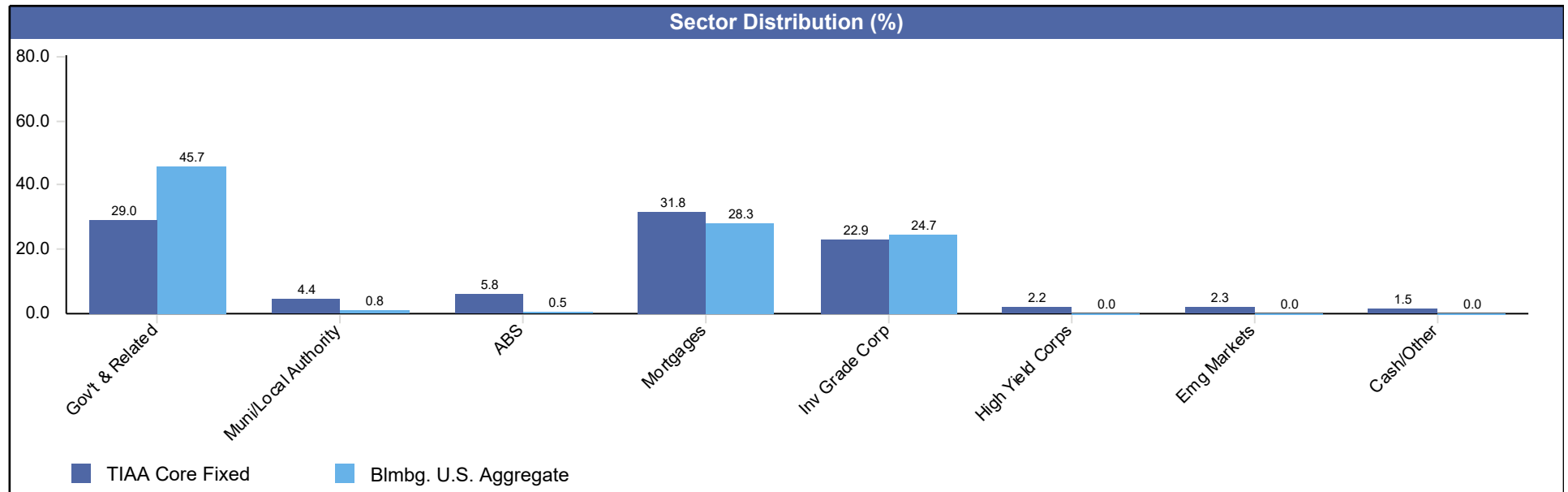
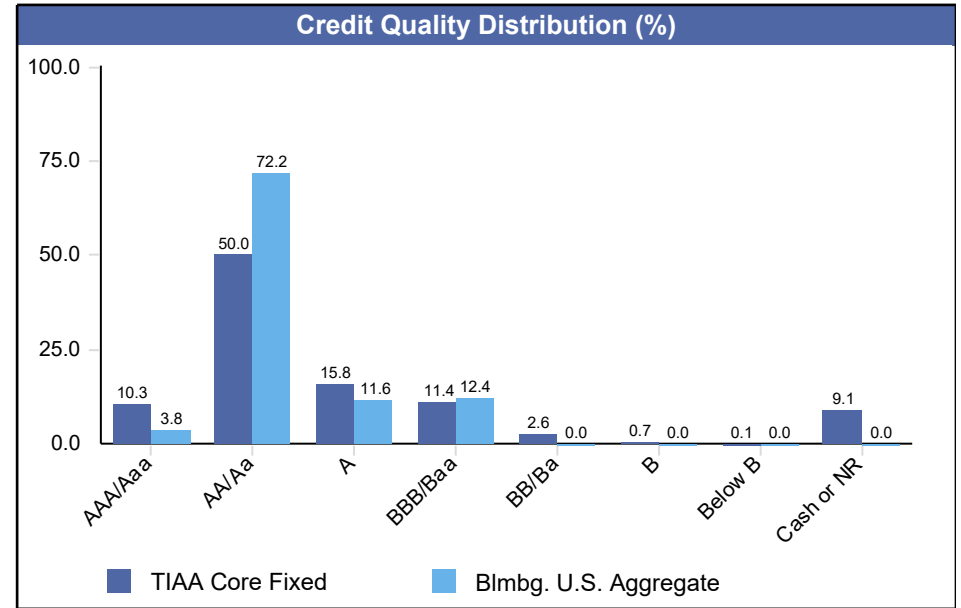
PGIM Core Fixed vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	6.10	6.15
Yield To Maturity (%)	6.31	5.39
Avg. Maturity	8.18	8.49
Avg. Quality	AA	AA
Coupon Rate (%)	3.68	2.99



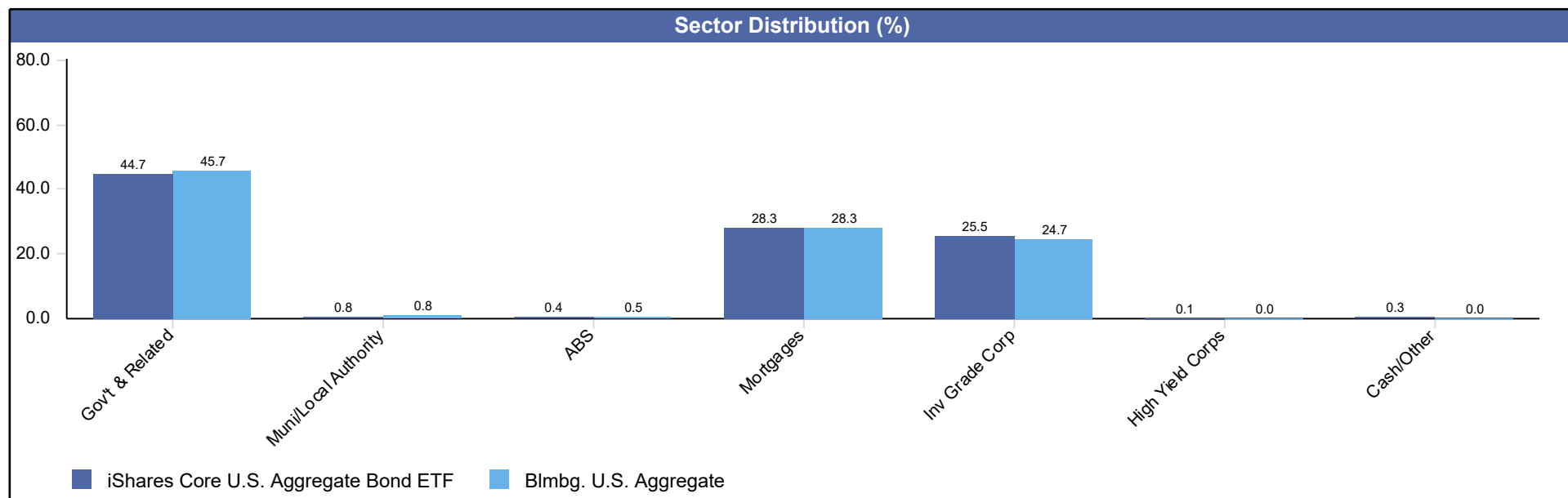
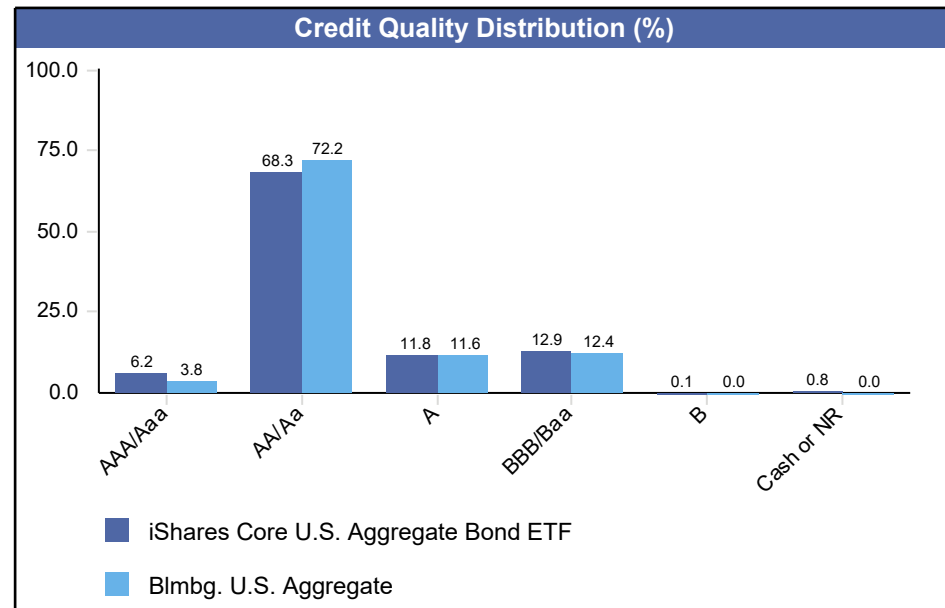
TIAA Core Fixed vs. Blmbg. U.S. Aggregate

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	6.09	6.15
Yield To Maturity (%)	6.34	5.39
Avg. Maturity	9.21	8.49
Avg. Quality	AA	AA
Coupon Rate (%)	3.12	2.99



iShares Core U.S. Aggregate Bond ETF vs. Blmbg. U.S. Aggregate

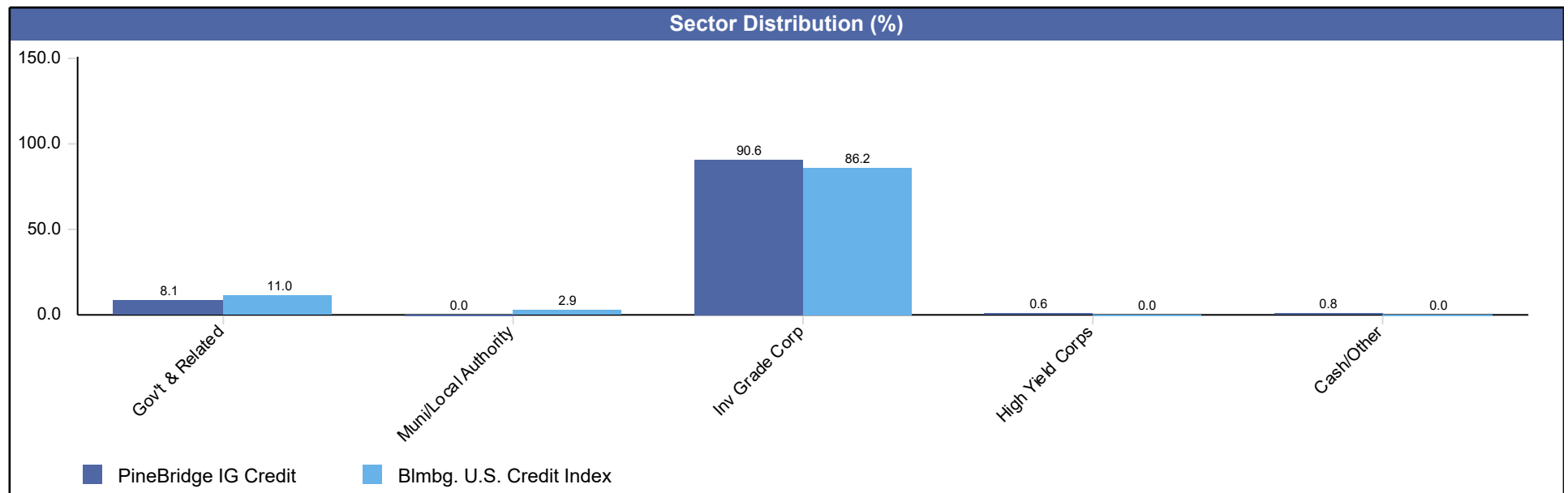
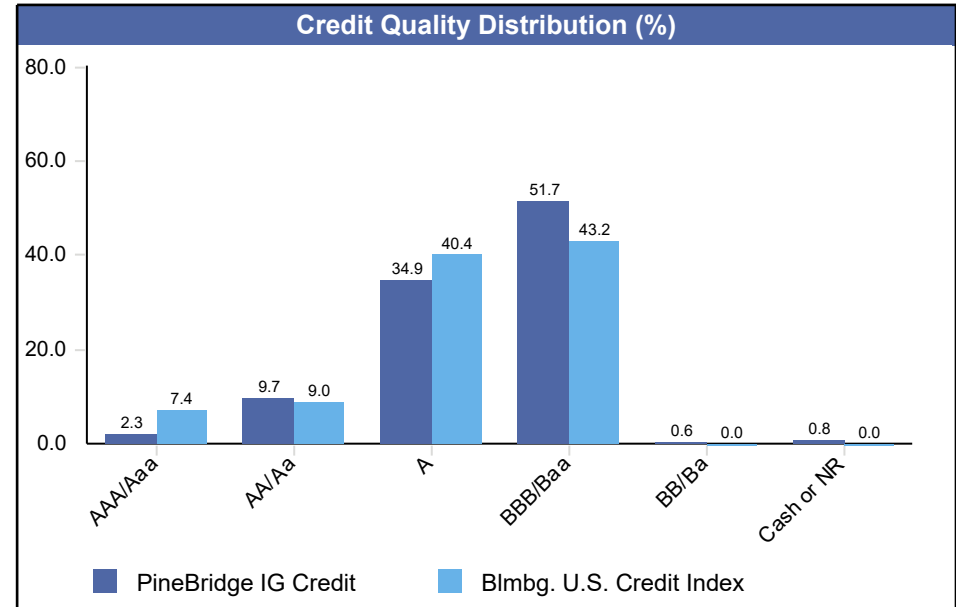
Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	6.14	6.15
Yield To Maturity (%)	5.38	5.39
Avg. Maturity	8.55	8.49
Avg. Quality	AA	AA
Coupon Rate (%)	3.04	2.99





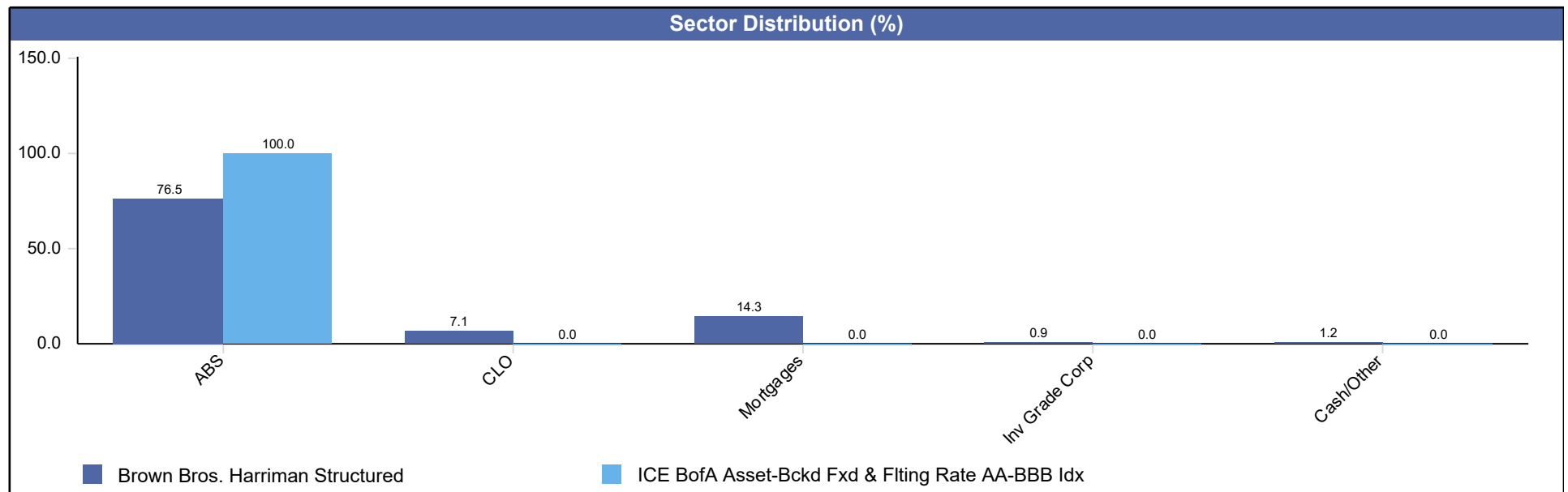
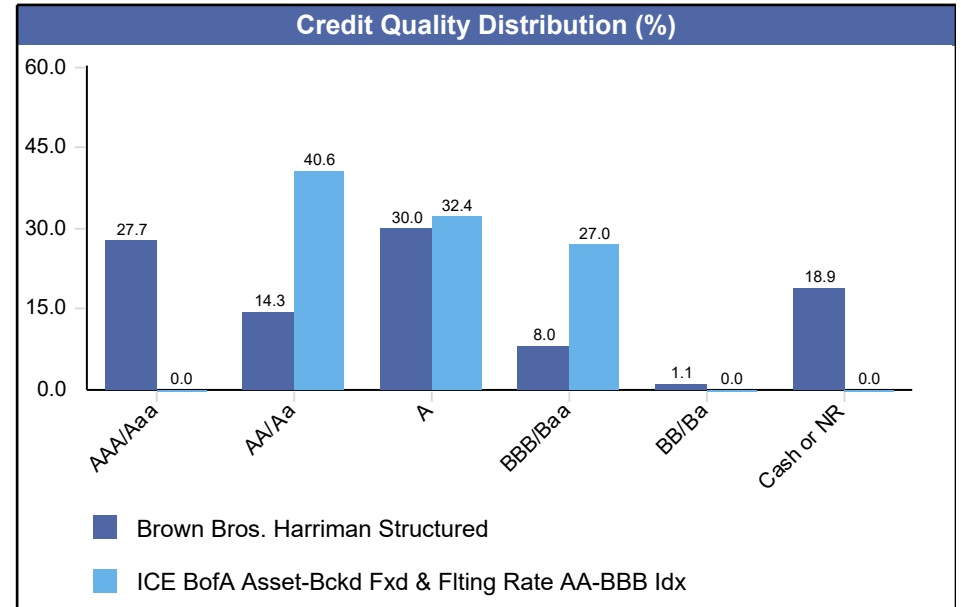
PineBridge IG Credit vs. Blmbg. U.S. Credit Index

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	6.73	6.59
Yield To Maturity (%)	6.20	5.95
Avg. Maturity	10.91	10.38
Avg. Quality	A	A
Coupon Rate (%)	4.10	3.87



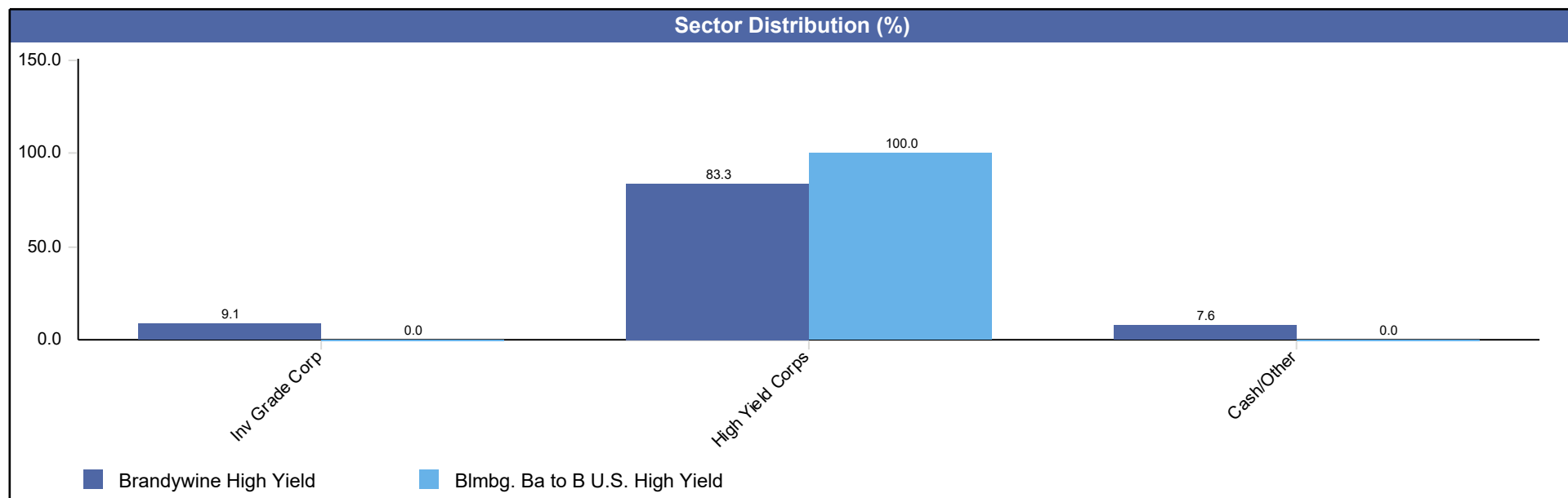
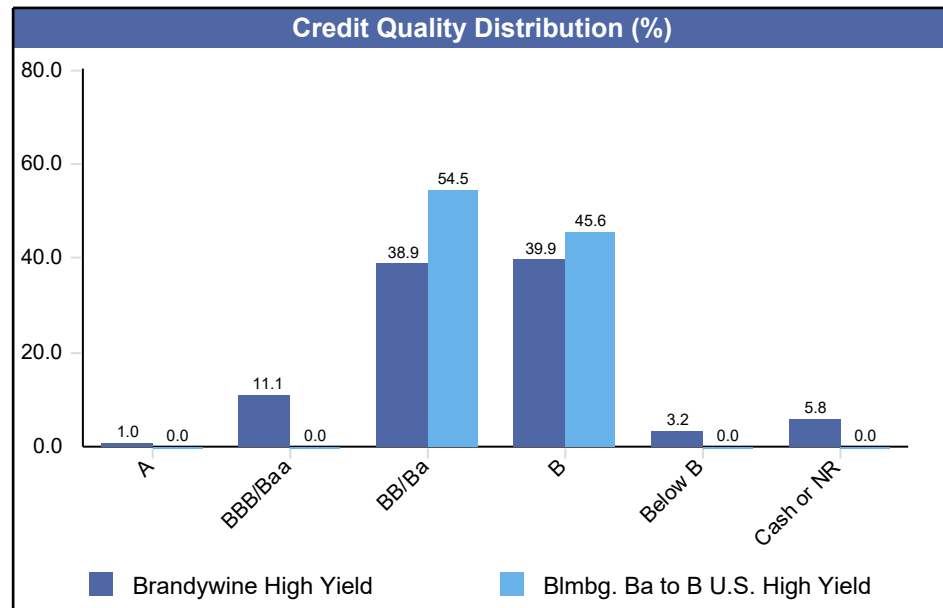
Brown Bros. Harriman Structured vs. ICE BofA Asset-Bckd Fxd & Fltng Rate AA-BBB Idx

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	2.24	2.53
Yield To Maturity (%)	7.87	7.07
Avg. Maturity	2.91	3.80
Avg. Quality	A	A
Coupon Rate (%)	4.81	4.43



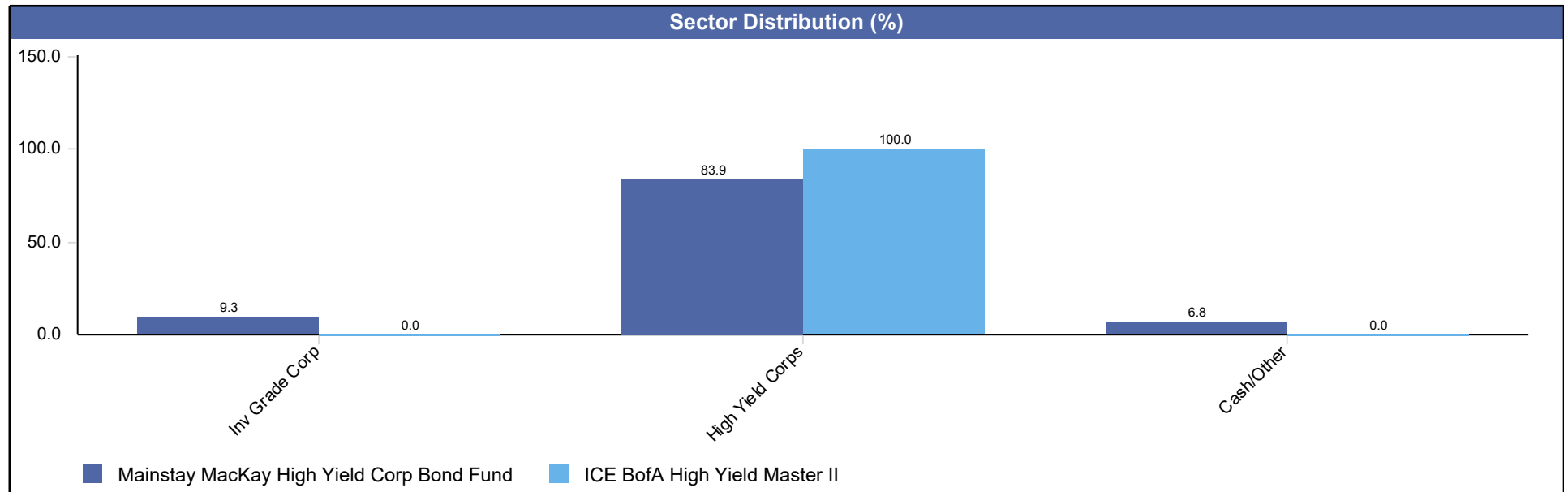
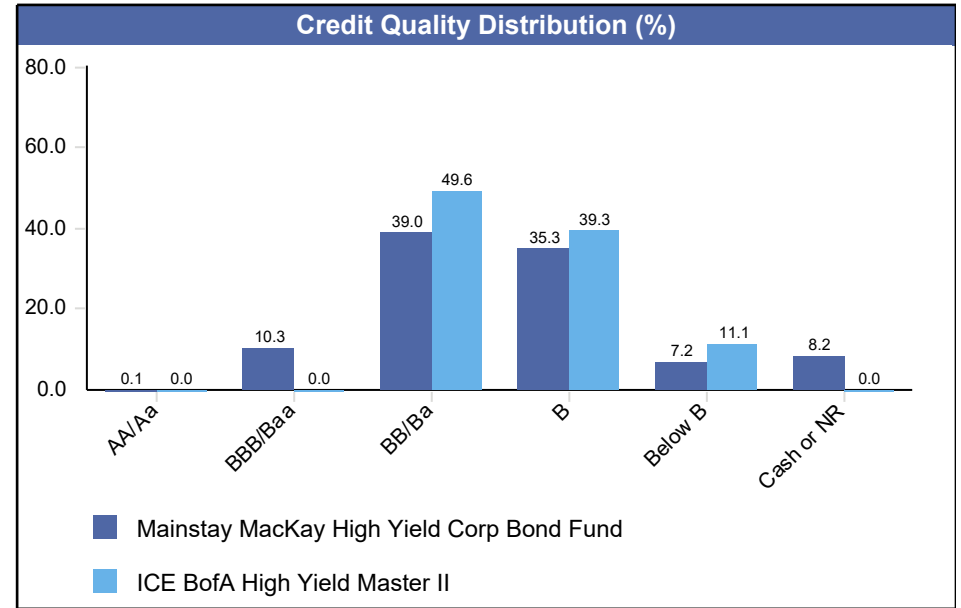
Brandywine High Yield vs. Blmbg. Ba to B U.S. High Yield

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	3.48	3.59
Yield To Maturity (%)	8.47	8.27
Yield To Worst	8.65	8.24
Avg. Maturity	5.25	5.03
Avg. Quality	BB	BB
Coupon Rate (%)	6.19	5.73



Mainstay MacKay High Yield Corp Bond Fund vs. ICE BofA High Yield Master II

Portfolio Characteristics		
	Portfolio	Benchmark
Effective Duration	3.32	3.60
Yield To Maturity (%)	8.47	8.92
Avg. Maturity	5.19	4.88
Avg. Quality	BB	B
Coupon Rate (%)	6.06	5.97



## IMPORTANT DISCLOSURES

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It is not possible to invest directly in an index. The index returns shown throughout this material do not represent the results of actual trading of investor assets. Third-party providers maintain the indices shown and calculate the index levels and performance shown or discussed. Index returns do not reflect payment of any sales charges or fees an investor would pay to purchase the securities they represent. The imposition of these fees and charges would cause investment performance to be lower than the performance shown.

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(^) Performance information is gross of fees and reflects sleeve level information (not specific to this client/investor). It is provided by sub-advisers of the PFM Multi-Manager Equity Fund, PFM Multi-Manager International Equity Fund and PFM Multi-Manager Fixed-Income Fund.

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# Portfolio Update

## EVENT

- **The iShares MSCI Emerging Markets ex China ETF (the “ETF”) has been added to the PFM Multi-Manager International Equity Fund**

## SUMMARY

As the investment advisor for the Fund, PFM Asset Management LLC (“PFMAM”) recently added the ETF to complement the existing sub-advisers in the Fund. The addition of the ETF helps reduce exposure to China, which continues to be impacted by lingering issues such as weakness in real estate, rising corporate debt levels, high unemployment rates among younger workers, and rising geopolitical tensions with the U.S.

The iShares MSCI Emerging Markets ex China ETF (ticker: EMXC) seeks to track the investment results of an index composed of large and mid-capitalization emerging market equities, excluding China. It has assets under management of \$4.9 billion and an expense ratio of 0.25%, as of July 31, 2023. This allocation was primarily sourced from the Schroders Investment Management emerging markets strategy.

We appreciate your continued confidence in the PFM Multi-Manager Series Trust. Should you have any specific questions or wish to discuss this topic in more detail, please contact your client manager directly.

*Investors should carefully consider the investment objectives, risks, charges and expenses before investing. A copy of the Fund's prospectus may be obtained by calling 1-833-736-6678 or is available on the Fund's website at [mmst.pfmam.com](http://mmst.pfmam.com). Please carefully read the summary prospectus or prospectus before investing.*