PERSI
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Meeting of the PERSI Retirement Board

August 19, 2024 │ 2:00 P.M. - 4:30 P.M.
August 20, 2024 │ 8:30 A.M. - 12:00 P.M.
PERSI Office - 607 N. 8th St. Boise, ID 83702

AGENDA

Monday, August 19			
2:00 PM		Call to Order │ Welcome	Jeff Cilek
2:00 PM	I.	Choice 401(k) Plan Annual Review	Diane Kaiser
		A. PERSI Choice 401(k) Plan Day	
		B. Callan Choice Plan Performance Review	Ann O'Bradovich
		C. Callan DC Industry Trends	Ben Taylor
		D. PERSI Choice 401(k) Plan Policy Statement*	Ann O'Bradovich
3:10 PM		Break	
3:20 PM	II.	Choice 401(k) Plan Annual Review (cont.)	
		A. SECURE 2.0 Impact	Diane Kaiser
		B. Empower Then and Now Presentation	Stephanie O'Dear
		C. Empower Choice Plan Review and Update	Dave Ramirez
		D. Choice 401(k) Plan Fees Review	Mike Anderson
4:30 PM	**	Executive Session - Idaho Code § 74-206 (1)(a)(b)(f)*	Jeff Cilek
5:00 PM		Recess	
Tuesday, August 20			
8:30 AM		Reconvene │ Call to Order │ Welcome	Jeff Cilek
	III.	Approval of Minutes	Jeff Cilek
		A. Draft of July 16, 2024 Minutes *	
8:35 AM	IV.	Investments │ Portfolio	Richelle Sugiyama
		A. Callan Quarterly Report	Ann O'Bradovich
		B. Portfolio Monthly Update	Richelle Sugiyama, Chris Brechbuhler
		C. Hamilton Lane Distribution Management*	Richelle Sugiyama, Chris Brechbuhler
		D. PERSI Manager - Mondrian Investment Partners	Liz Desmond, Jim Brecker
9:40 AM	V.	Board Governance	Jeff Cilek
		A. Selection of Vice Chair (GPM § I.8.A) *	
9:45 AM		Break	
10:00 AM	VI.	Operations │ Administration	Mike Hampton
		A. Operations/Administration Update	Alex Simpson
		B. Director Update - NASRA	Mike Hampton
		C. Major Projects - Arrivos Upgrade Progress	Larry Sweat
		D. Contribution Rate Scenarios Update - Milliman	Robert Schmidt
11:00 AM	VII.	Fiscal │ Budget	Mike Anderson
		A. Financial Reports	
		B. FY 2026 Budget Approval *	
11:15 AM	VIII.	Board	Jeff Cilek
		A. Future Agenda Review	
		B. Trustee Call for Future Agenda Items *	
		C. Signature Authorization Form Update *	
11:30 AM	**	Executive Session - Idaho Code § 74-206 (1)(a)(b)(f)*	Jeff Cilek
12:00 PM		Adjournment	

* Decision / Action of the Board Requested
** For the purpose of entering into Executive Session

PUBLIC EMPLOYEE RETIREMENT SYSTEMS OF IDAHO
607 North 8th Street, Boise, Idaho 83702

RETIREMENT BOARD MEETING MINUTES

The Board of the Public Employee Retirement System of Idaho met in-person at 8:30 a.m., July 16, 2024. The following Trustees and PERSI Staff were present:

Jeff Cilek – Chairman
Joy Fisher – Vice Chair
Park Price – Trustee
Darin DeAngeli – Trustee
Michael Hampton - Executive Director
Alex Simpson - Deputy Director
Cheryl George - General Counsel
Richelle Sugiyama - Chief Investment Officer
Chris Brechbuhler - Deputy Chief Investment Officer

Lori Wolff – Trustee; excused absence

Presenters in attendance in-person were:
Andrew Yurkewych – State Street Global Advisors
Simona Mocuta – State Street Global Advisors
Robert Schmidt – Milliman

Presenters in attendance virtually were:
Chris Carpentier – State Street Global Advisors

At 8:33 a.m., Chairman Cilek called the meeting to order.

APPROVAL OF THE BOARD MEETING MINUTES
Trustee DeAngeli moved to approve the minutes of the May 29th Board meeting. Trustee Fisher seconded the motion. The motion passed unanimously.

PORTFOLIO
Monthly Portfolio Update
Chief Investment Officer Richelle Sugiyama presented the fiscal year-end investment report as of June 30, 2024. She highlighted that we exceeded our expected return of +6.3%, noted our manager line-up going forward, and commented on our asset allocation, long-term performance, and strategic biases.

She also summarized the information included in the monthly report and briefly commented on the Fund performance as of July 12th .

Investment Manager Market Overview
Deputy Chief Investment Officer Chris Brechbuhler introduced Andrew Yurkewych and Simona Mocuta, with State Street Global Advisors, who provided a brief update on the firm and performance and presented their views on the US economy.
Trustee Price asked about State Street's return expectations and Chris Carpentier offered that 2023 was a rebound year with a 60/40 portfolio up approximately 16% primarily driven by equity market returns. Momentum has continued through this year, but the State Street team remain cautious on the next year and don't expect similar returns as valuations are stretched and the economic backdrop is weakening.

Chairman Cilek thanked them for their time and perspectives.

OPERATIONS AND ADMINISTRATION

Administrative and Operations Update

Deputy Director Simpson updated the Board on recruiting and hiring efforts within the agency.

He also shared that as of June 30 (2024) that three (3) employers chose to withdraw from PERSI. Withdrawal penalties had either been paid or payment was being pursued.

He mentioned that the new *my*PERSI portal had been upgraded and released to members. There were over one thousand (1000) registrations during the first 24-hours.

The Boise office is modernizing the first and second floors with new cubicles.

One new employer joined PERSI.

Executive Director Hampton discussed his initial outreach conducted since becoming Executive Director. He has met with leaders in education, fire, police and others. He will be setting his fall and winter outreach calendar based upon these meetings.

He provided an update on Idaho Statute 59-1356(6), Public Safety Return to Work. Actuaries will evaluate FY2024 data and determine potential steps going forward.

Base Plan Contribution Rate Options

Mr. Robert Schmidt with Milliman presented an overview and preliminary scenarios of canceling or delaying future proposed contribution rate increases. He pointed out that there are multiple considerations that should be studied before making any decisions. The Board requested that Milliman provide additional preliminary scenarios at a future meeting that included reducing future contribution rate increases.

FISCAL

Fiscal Update/Travel/Expense Report Update

Chief Financial Officer Mike Anderson presented expense reports for the administration, portfolio, and other expenses like travel. All budgets are running under budget as of June 30, 2024.

The preliminary appropriated budget for fiscal year 2026 has been prepared and will be presented at a future meeting.

BOARD

Future Agenda

August agenda reviewed; no other items were proposed.

EXECUTIVE SESSION

At10:37 a.m., Chairman Cilek stated the Board intended to move to executive session in accordance with Idaho Code 74-206(a), (b) and (f). Trustee DeAngeli moved to enter executive session and Trustee Fisher seconded the motion.

At 11:05 a.m., Trustee DeAngeli motioned to exit executive session, and Trustee Fisher seconded the motion.

Regular session: At 11:06 a.m., Trustee DeAngeli moved; Trustee Fisher seconded the motion to terminate the data aggregator contract with Clearwater Analytics. The Board voted unanimously.

At 11:10 a.m., Trustee Price moved; Trustee Fisher seconded the motion to return to executive session in accordance with Idaho Code 74-206(a), (b) and (f).

At 11:55 a.m.; Trustee DeAngeli moved; Trustee Fisher seconded the motion to exit executive session. No decisions were made.

Adjournment: With no further business to discuss, the Board adjourned at 11:56 a.m.

Callan Institute

Second Quarter 2024

Capital Markets Review

Will the Fed Be Able to Stick the Landing?

ECONOMY

2 PAGE

Here we are, on the verge of something that's never been done before: a soft landing for the U.S. economy, where inflation is brought down while growth gradually subsides, but we avoid a recession. After the devastation of the pandemic, it would be a remarkable achievement.

Solid Gains Over Trailing One Year

INSTITUTIONAL INVESTORS

4 PAGE

Continued strong U.S. equity gains helped institutional investors show strong gains over the trailing one year ended 6/30/24, but a lagging bond market and lower global ex-U.S. equity performance held them back from matching a 60% stocks/40% bonds index.

Strong Start to Year in U.S. but Not Globally

EQUITY

6 PAGE

The U.S. equity markets had an exceptional start with the S&P 500 hitting 31 record highs over the first six months of 2024 and gaining 15.3%. Developed non-U.S. markets struggled with growing uncertainty on future economic growth. Emerging markets rebounded.

Slight Gain for Bonds; Markets Await Fed

FIXED INCOME

8 PAGE

The Bloomberg US and Global Aggregate indices both rose 0.1%. Treasury yields were up modestly, to 4.36%. Municipal yields climbed higher than U.S. Treasury yields. Major currencies' weakness against the dollar hurt unhedged returns.

Income Positive but Appreciation Falls

REAL ESTATE/REAL ASSETS

10 PAGE

NPI income returns were positive across sectors and regions but all appreciation returns declined, except for hotels. REITs underperformed equities in the U.S. and globally. ODCE redemption queues have exceeded the levels hit during the Global Financial Crisis.

Signs of Rebound; Challenges Remain

PRIVATE EQUITY

11 PAGE

The number of funds raised in 1Q24 dropped 42% vs. 1Q23, but the dollar amount was flat. This year also saw improving buyout conditions. Valuations rose amid mixed signs of recovery for venture capital and growth equity. Short-term returns lag public equity.

Gains Continue to Top Leveraged Loans

PRIVATE CREDIT

12 PAGE

Private credit has shown a net IRR of 8.0% over the last 10 years, easily topping a leveraged loan benchmark. Sub-investment grade corporate yields rose sharply at the start of 2022 and peaked in September. Yields continued to drop in 1Q24 and spreads contracted.

Managers Capitalizing on Volatility in 2Q24

HEDGE FUNDS/MACs

13 PAGE

The median Callan Institutional Hedge Fund Peer Group manager rose 1.6%. Within the HFRI Indices, the best-performing strategy was relative value, which was up 1.4%. Equity hedge ended the quarter up 1.0%. Macro strategies ended the quarter slightly negative.

DC Index Starts Year with a Big Gain

DEFINED CONTRIBUTION

15 PAGE

The Callan DC Index™ gained 6.6% in 1Q24. Balances rose by 6.6% after a 9.0% increase in 4Q23, driven exclusively by investment gains. Stable value saw large outflows for the sixth straight quarter. U.S. large cap equity saw large percentage increases in allocation.

Broad Market Quarterly Returns

U.S. Equity
Russell 3000

▲ 3.2%

Global ex-U.S. Equity
MSCI ACWI ex USA

▲ 1.0%

U.S. Fixed Income
Bloomberg Agg

▲ 0.1%

Global ex-U.S. Fixed Income
Bloomberg Global Agg ex US

▼ -2.1%

Sources: Bloomberg, FTSE Russell, MSCI

Can the Fed Stick the Landing?

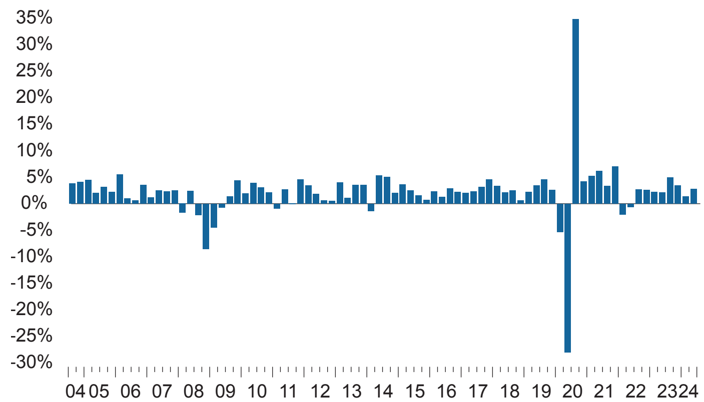
ECONOMY | Jay Kloepfer

The hunt for signs of the much-anticipated slowdown in the U.S. economy continues to be thwarted. Every data release is scrutinized: Is this the one that is finally the sign of a crack in growth? The economy is clearly set to slow compared to the surprise robust growth in the second half of 2023, but key measures like stubborn inflation, a job market that has yet to sag, and persistent growth in consumption spending have kept surprising to the upside. Inflation eased from the worrisome rise in 1Q24, but still sits at 3.0% compared to a year ago, well above the Fed's target. The job market looked like it finally cracked in April, creating just 108,000 jobs after adding 800,000 in the first three months of the year. Then job growth rebounded to 218,000 in May and 206,000 in June, clearly softer than the average monthly rate of 250,000 in 2023 and the surge in 1Q, but still solid. The unemployment rate remains low at 4.1%, although initial unemployment claims have been rising gradually since the recent low set in January. The labor market is indeed softening, which should reduce pressure on wage inflation at some point.

A softer labor market will likely dampen consumer demand, and therefore provide more relief to inflation pressures. Consumer spending slowed from a robust 3% growth rate in the second half of 2023 to 1.5% in 1Q, another potential crack in the façade. Then spending rebounded to a 2.3% gain in 2Q and drove a surprising 2Q GDP growth rate of 2.8%, about double the rate expected for the quarter. In addition to consumer spending, GDP growth was driven by private inventory investment and business fixed investment, particularly in equipment and intellectual property. 1Q GDP growth came in at just 1.4%, the first sure sign of the anticipated slowdown—or so it seemed.

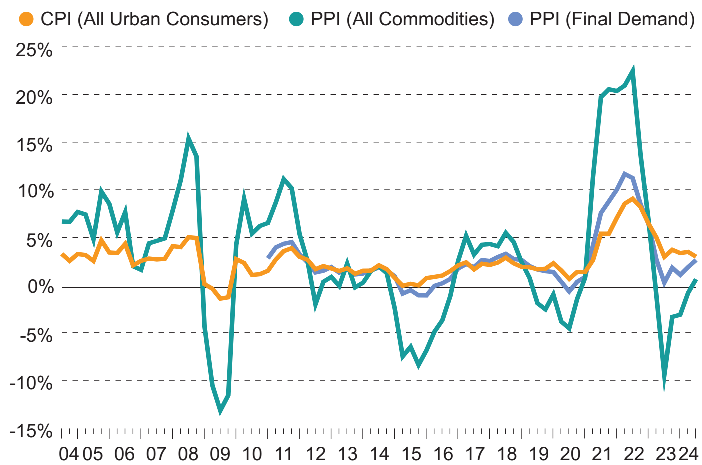
Interest rates have been higher for a longer period than many expected, including the Fed. There are surprisingly few signs that these higher rates have taken the expected toll on the economy. The economy does appear to be gradually slowing, current contradictory indicators like the strong GDP report aside. The cost of borrowing is sharply higher, and delinquencies in auto loans and credit cards are rising. The real estate market is grappling with much higher mortgage rates, although the market is showing a few unexpected features. The sale of existing homes in 2023 fell by one-third from the peak set in 2021, and the rate of sales in 2024 is holding steady at the 2023 rate. However, home prices are rising around the country. As interest rates rose, homeowners were supposedly reluctant to sell and buy again with much higher mortgage rates. However, the supply of homes for sale is rising, alongside higher prices and high mortgage rates compared to 2021, a puzzling market dynamic.

Quarterly Real GDP Growth (20 Years)



Source: Bureau of Economic Analysis

Inflation Year-Over-Year



Source: Bureau of Labor Statistics

Inflation cooled in May and June after throwing a scare into both the Fed and the capital markets during the first four months of 2024. CPI had inched up to an annual rate of 3.5% in March from 3.1% in January. Then gasoline prices fell 3.6% in May and 3.8% in June, enough to bring the monthly change in the CPI to zero in May and slightly negative in June. The annual rate eased to 3.0% in June. Broad inflation may now be headed in the right direction for the Fed to act on rates. However, under the hood, inflation weighs heavily on basic items for lower- and middle-income households: shelter, food, motor vehicle insurance, and medical care. The shelter index rose 5.2% from June 2023 to June 2024 and accounted for over 60% of the increase in headline CPI this past year. While the spike in inflation may be past, the impact of prices now "permanently" higher on household budgets is likely to dampen the consumer spending that has driven the economy.

So what to make of all this contrasting economic data? Putting it in context, four years ago U.S. GDP dropped an incredible 28% in one quarter. While it quickly rebounded, the country suffered a pandemic of stunning cost, both economically and, more importantly, in terms of lost lives, severed social connections, missed education, and worsening mental health. And yet here we are, on the verge of something that's never been done before: a soft landing for the U.S. economy, where inflation is brought down while growth gradually subsides, but we avoid a recession. It would be a remarkable achievement.

The Long-Term View

		Periods Ended 6/30/24			
Index	**2Q24**	**1 Yr**	**5 Yrs**	**10 Yrs**	**25 Yrs**
U.S. Equity					
Russell 3000	3.2	23.1	14.1	12.1	7.8
S&P 500	4.3	24.6	15.0	12.9	7.7
Russell 2000	-3.3	10.1	6.9	7.0	7.6
Global ex-U.S. Equity					
MSCI EAFE	-0.4	11.5	6.5	4.3	4.5
MSCI ACWI ex USA	1.0	11.6	5.5	3.8	--
MSCI Emerging Markets	5.0	12.5	3.1	2.8	--
MSCI ACWI ex USA Small Cap	0.7	11.3	6.1	4.4	6.7
Fixed Income					
Bloomberg Agg	0.1	2.6	-0.2	1.3	3.9
90-Day T-Bill	1.3	5.4	2.2	1.5	1.9
Bloomberg Long G/C	-1.7	-1.6	-2.2	1.6	5.3
Bloomberg Gl Agg ex US	-2.1	-0.7	-3.6	-1.9	2.5
Real Estate					
NCREIF Property	-0.3	-5.5	3.4	6.1	7.8
FTSE Nareit Equity	0.1	7.8	3.9	5.9	9.1
Alternatives					
Cambridge PE*	1.2	5.2	14.6	13.5	13.4
Cambridge Senior Debt*	4.2	10.0	6.9	6.9	4.2
HFRI Fund Weighted	0.5	9.8	6.7	4.8	6.0
Bloomberg Commodity	2.9	5.0	7.2	-1.3	2.7
Inflation – CPI-U	0.6	3.0	4.2	2.8	2.6

*Data for most recent period lags. Data as of 1Q24.
Sources: Bloomberg, Bureau of Economic Analysis, FTSE Russell, Hedge Fund Research, MSCI, NCREIF, Refinitiv/Cambridge, S&P Dow Jones Indices

Recent Quarterly Economic Indicators

	2Q24	1Q24	4Q23	3Q23	2Q23	1Q23
Employment Cost: Total Compensation Growth	4.1%	4.2%	4.2%	4.3%	4.5%	4.8%
Nonfarm Business: Productivity Growth	2.3%	0.4%	3.5%	4.6%	3.3%	-0.3%
GDP Growth	2.8%	1.4%	3.4%	4.9%	2.1%	2.2%
Manufacturing Capacity Utilization	77.5%	77.1%	77.6%	78.1%	78.4%	78.7%
Consumer Sentiment Index (1966=100)	71.1	78.4	64.9	69.6	62.3	64.6

Sources: Bureau of Economic Analysis, Bureau of Labor Statistics, Federal Reserve, IHS Economics, Reuters/University of Michigan

Investors Show Gains but Still Lag Benchmark

INSTITUTIONAL INVESTORS

- Continued strong U.S. equity gains helped institutional investors show robust gains over the trailing one year ended 6/30/24, but a lagging bond market and lower global ex-U.S. equity performance held them back from matching a 60% stocks/40% bonds benchmark.
- Still, most investor types showed double-digit gains.
- Corporate plans, with their typically bond-heavy portfolios, were the exception.
- Even over longer periods, the gap between institutional investor returns and the 60%/40% benchmark continued.
- Institutional investors are focused on a handful of major macroeconomic issues:
  - Interest rates and inflation
  - The U.S. election
  - Geopolitics

Public defined benefit (DB) plans

- The median discount rate, according to the most recent NASRA survey, is 7.00%.
- A 7.00% return expectation can be achieved with 50% in core fixed income.
- Public DB plans have reviewed their allocations to fixed income and generally either confirmed the amount or made an increase.
- Plans are starting to review their fixed income structures, specifically the need for risk in a higher-rate environment.
- Plans are also starting to evaluate their exposure to risk assets, with some wondering why invest in anything besides U.S. large cap stocks and others debating whether to take risk off the table.

Quarterly Returns, Callan Database Groups (6/30/24)

	Public	Corporate	Nonprofit	Taft-Hartley	Insurance Assets
10th Percentile	2.1	1.7	2.1	2.2	1.5
25th Percentile	1.9	1.2	1.9	2.1	1.3
Median	1.4	0.6	1.3	1.6	1.0
75th Percentile	1.0	0.1	1.0	1.1	0.7
90th Percentile	0.5	-0.3	0.7	0.8	0.6

Source: Callan

Callan Database Median and Index Returns* for Periods Ended 6/30/24

Database Group	Quarter	1 Year	3 Years	5 Years	10 Years	20 Years
Public Database	**1.4**	**11.1**	**3.2**	**7.7**	**7.0**	**7.1**
Corporate Database	**0.6**	**7.5**	**-0.7**	**4.6**	**5.3**	**6.5**
Nonprofit Database	**1.3**	**11.9**	**3.1**	**7.6**	**6.5**	**7.0**
Taft-Hartley Database	**1.6**	**11.0**	**3.4**	**7.5**	**6.9**	**6.9**
Insurance Assets Database	**1.0**	**7.8**	**1.0**	**3.5**	**3.7**	**4.5**
All Institutional Investors	**1.2**	**10.8**	**2.8**	**7.2**	**6.5**	**6.9**
Large (>$1 billion)	**1.1**	**9.8**	**2.9**	**7.5**	**6.8**	**7.1**
Medium ($100mm - $1bn)	**1.2**	**10.9**	**2.9**	**7.3**	**6.6**	**7.0**
Small (<$100 million)	**1.3**	**11.6**	**2.6**	**7.0**	**6.2**	**6.7**
60% S&P 500/40% Bloomberg Agg	2.6	15.5	4.8	9.2	8.4	7.7

*Returns less than one year are not annualized.

Source: Callan. Callan's database includes the following groups: public defined benefit (DB) plans, corporate DB plans, nonprofits, insurance assets, and Taft-Hartley plans. Approximately 10% to 15% of the database constituents are Callan's clients. All database group returns presented gross of fees. Past performance is no guarantee of future results. Reference to or inclusion in this report of any product, service, or entity should not be construed as a recommendation, approval, affiliation, or endorsement of such product, service, or entity by Callan.

Corporate DB plans

- Interest rate hedging continues to work.
- Funded status continues to be a major, if not the major, issue. Funded ratios for some corporate DB plans improved as the equity market increased.
- As closed plans' liabilities shorten, intermediate fixed income will continue to attract interest.
- As credit spreads have tightened, it is important to manage or reduce any overweight to credit.

Nonprofits

- Nonprofits indicated that they had noticeable uncertainty about allocations to private markets in general.
- For plans that had increased the risk in their fixed income sleeves to gain a higher yield (in the lower-rate environment), they too are reviewing the need for risk in a higher-rate environment.
- Others are worried about concentration in their growth portfolios.

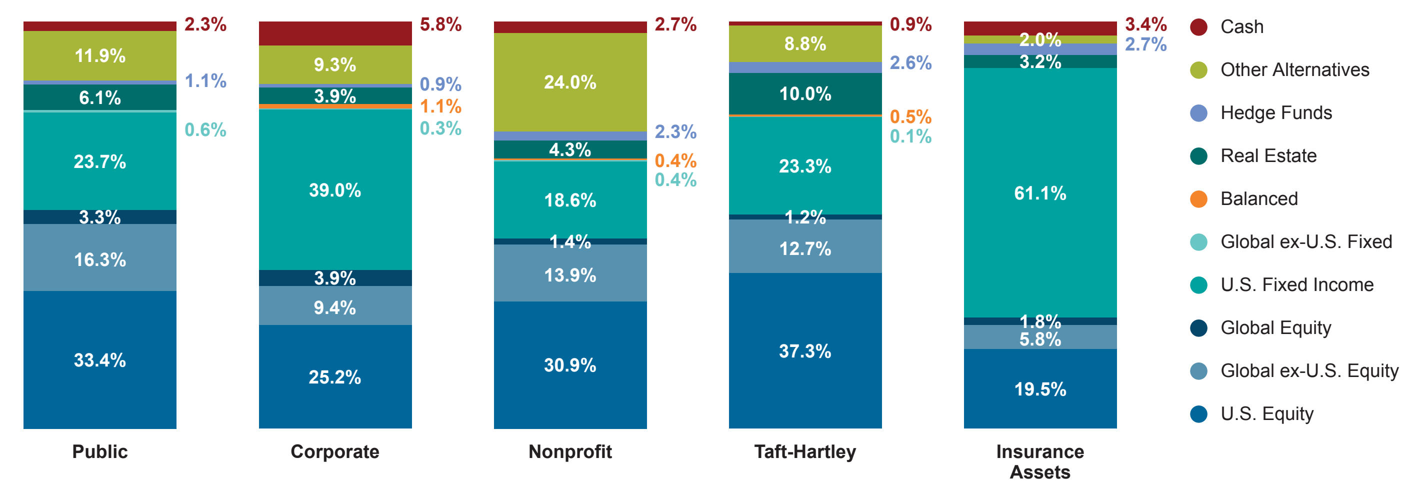
Insurance asset pools

- They are still benefiting from higher yields on short-term fixed income.
- Claims costs are higher from experienced inflation.
- Risk-based capital charges must be considered when investing in alternative investments.

Defined contribution (DC) plans

- The Callan DC Index™ gained 6.6% in 1Q24 due to the strong equity market.
- Turnover (i.e., net transfer activity) increased slightly to 0.44% from the prior quarter's 0.24%. The index's historical average remained at 0.55% and is a good reminder that participants tend to set their allocation and not make many changes.
- Automatic features typically result in target date funds (TDFs) receiving the largest net inflows in the index, as they did in 1Q24, garnering 80% of quarterly net flows. Stable value, money market, and company stock saw the largest outflows during the quarter.
- The gap in returns between money market and stable value funds continues to concern DC plans.
- Discussions are ongoing around how or whether to help participants with retirement income.

Average Asset Allocation, Callan Database Groups



Note: Charts may not sum to 100% due to rounding. Other alternatives include but is not limited to: diversified multi-asset, private credit, private equity, and real assets.
Source: Callan

Equity

U.S. Equities

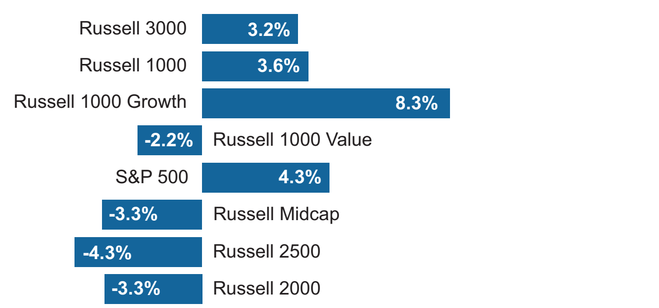
Broad indices exhibit strong start to 2024

– The U.S. equity markets had an exceptional start with the S&P 500 hitting 31 record highs over the first six months of 2024 and gaining 15.3%.
– Index returns continue to be driven by a handful of stocks, especially the “Magnificent Seven,” which comprised 33% of the S&P 500 as of quarter-end. As a group, the cohort gained 33% in the first six months of the year, far exceeding the S&P 493 gain of only 5%.

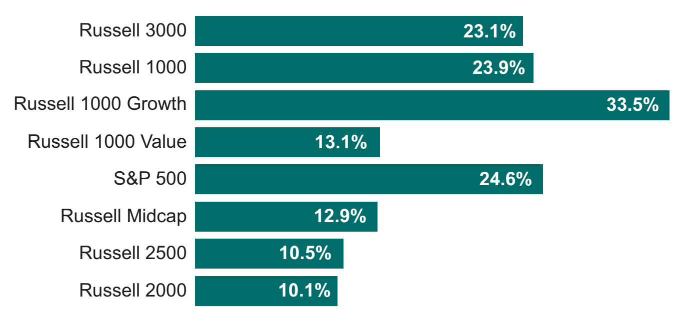
Performance underlying indices is uneven

– 2Q returns for the broad index were modest at 4.3%, but sector performance was quite mixed, ranging from -4.5% (Materials) to +13.8% (Technology), with 6 of the 11 S&P 500 sectors posting negative returns during the period.
– During 2Q, value (R1000V: -2.2%) continued to underperform growth (R1000G: +8.3%) and small cap (R2000: -3.3%) continued to underperform large cap (R1000: +3.6%).
– The “Magnificent Seven” stocks pushed large cap indices to record highs while the rest of the market traded sideways.
– Magnificent Seven stocks accounted for 116% of S&P 500 total return in 2Q24.
– YTD 2024, the bucket of Magnificent Seven stocks handily outperformed the equal weight S&P 500 Index and small cap Russell 2000 Index returns.
– Magnificent Seven returns over the trailing 3½ years (dating back to 2021) drove a large contribution of total index returns relative to the remaining ~493 stocks in the S&P 500.
– Market concentration has hit its highest level since 1972. The top 10 stocks have broken away from stocks #11-#50 to an even greater degree than in the tech bubble in 2000-01.
– The largest and most successful stocks were generating more earnings, earnings growth, and cash relative to the smaller stocks in the index. Price appreciation for the largest stocks is supported by strong earnings growth and robust economic profits.

U.S. Equity: Quarterly Returns (6/30/24)

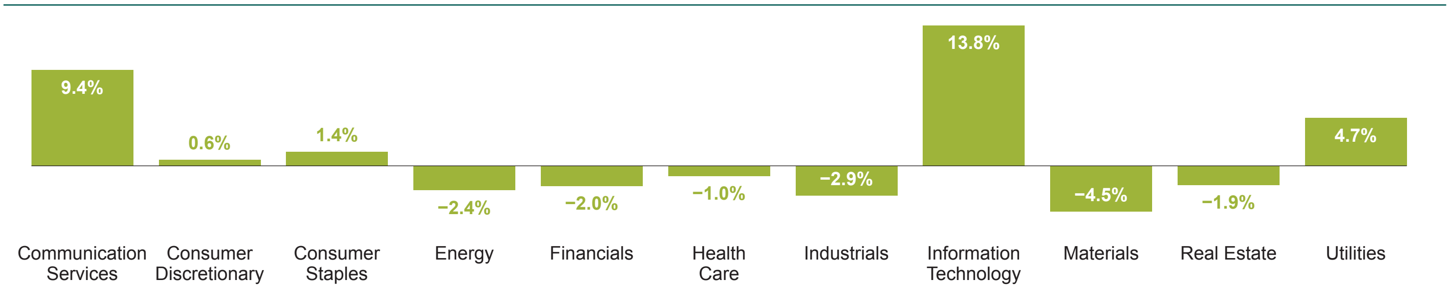


U.S. Equity: One-Year Returns (6/30/24)



Sources: FTSE Russell and S&P Dow Jones Indices

Quarterly Performance of Industry Sectors (6/30/24)



Source: S&P Dow Jones Indices

Global Equities

Broad market

- The U.S. continued its lead over developed non-U.S. markets resulting in a positive ACWI return.
- Developed non-U.S. markets struggled with growing uncertainty on future economic growth, political instability, and divergent central bank policies.
- Small caps once again trailed large caps in a higher interest rate environment and amid exchange rate volatility.

Emerging markets

- Emerging markets rebounded, snapping a two-quarter losing streak relative to developed markets as both China and India produced strong returns.
- China's GDP growth exceeded expectations with a rebound in industrial production, manufacturing, and exports. Further, the Chinese government implemented several measures to support capital markets.

Growth vs. value

- Growth and value saw little difference, as much of the caution was driven around macro concerns about future growth and a growing risk of a recession.

U.S. dollar strength

- The U.S. Dollar Index (DXY), was relatively flat in 2Q due to a balancing act of increased global uncertainty but a more likely 2024 U.S. central bank rate cut.

China experiences significant decline

- Mainland China's allocation within the MSCI EM Index and active EM equity strategies has steadily declined since peaking in 2020. Sluggish growth with weak home sales and deflationary pressures combined with heightened geopolitical risks have been contributors.

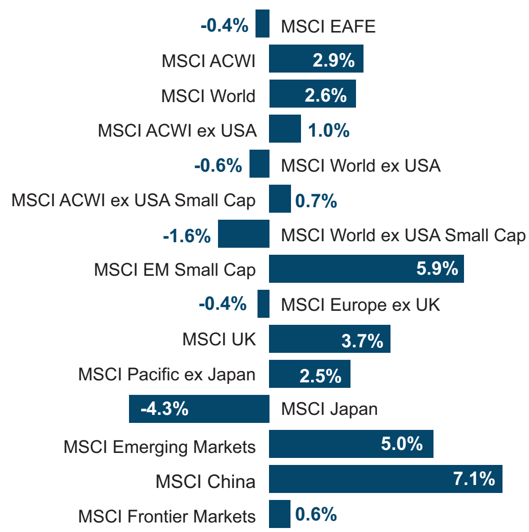
Taiwan increases with Taiwan Semiconductor strength

- Despite Taiwan's related geopolitical concerns to mainland China, Taiwan has seen increasing allocations in the index and across managers. The largest stock in the MSCI Taiwan Index, Taiwan Semiconductor, which accounts for ~50% of the index, continues to exhibit robust growth as the global leader in semiconductor manufacturing.

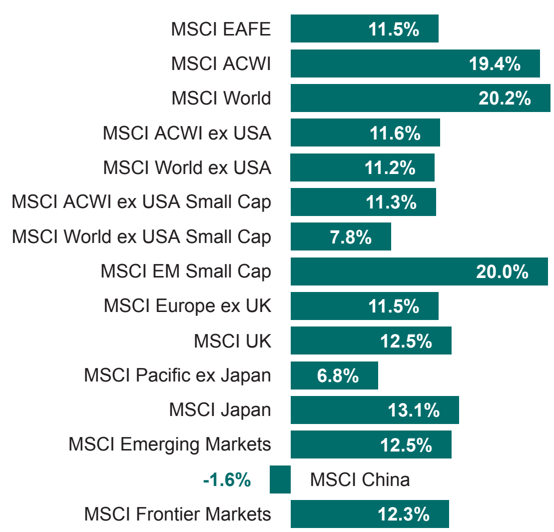
India continues rapid growth

- Benefiting from positive demographics with a large growing working population, India has experienced one of the highest real GDP growth rates globally in recent years when compared to other major countries/regions.
- India's growth within the MSCI EM Index and manager allocations has been nearly the mirror image to China's allocations since 2020.

Global ex-U.S. Equity: Quarterly Returns (U.S. Dollar, 6/30/24)



Global ex-U.S. Equity: One-Year Returns (U.S. Dollar, 6/30/24)



Source: MSCI

Fixed Income

U.S. Fixed Income

Macro environment

- Fed on hold awaiting more evidence that inflation is under control as economy remained resilient
- 10-year U.S. Treasury yield up modestly from 4.21% to 4.36%
- Curve remained inverted

Performance and drivers

- The Bloomberg US Aggregate Index rose 0.1% amid higher rates.
- Corporates and most securitized sectors were roughly flat vs. U.S. Treasuries on a duration-adjusted basis.
- Lower quality outperformed, with high yield corporates and leveraged loans posting the best returns.
- Longer maturity underperformed short and intermediate strategies as curve steepened from 5 years out to 30.

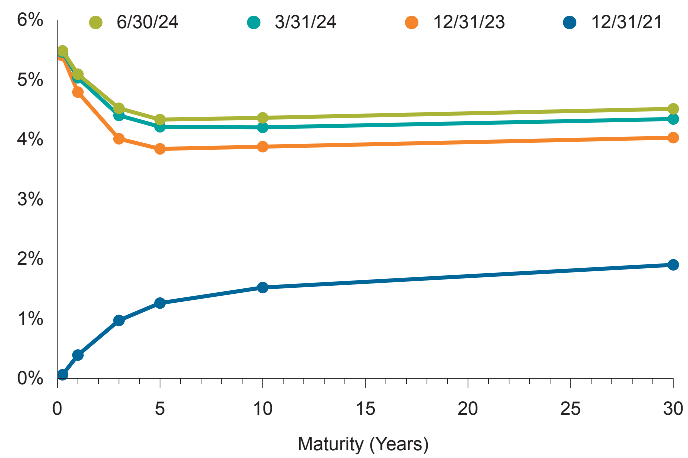
Valuations

- Corporate credit remains rich with spreads near historical tights.
- Default rates fell to just 1.2% for HY and 1.1% for bank loans.
- Corporate bond issuance remained robust
- IG corporate new issuance slowed from record highs in 1Q but remained robust with $349 billion in new debt, bringing YTD total to $886 billion.
- HY new issuance in 2Q nearly matched 1Q with $83 billion, bringing YTD total to $172 billion.
- Both were met with strong investor demand.

Rate cut expectations

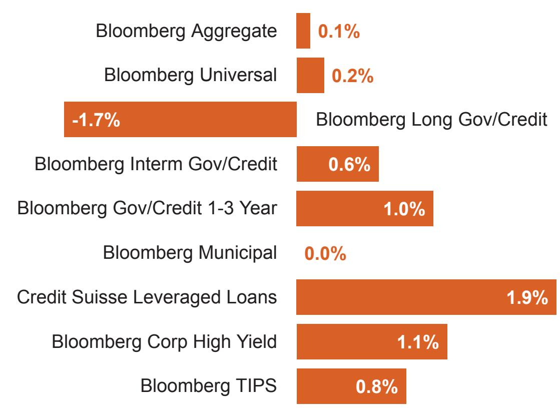
- Strong April jobs reports and sticky inflation readings initially drove intermediate- and long-term rates higher, sending the 10-year Treasury 50 bps higher and reducing the 2s10s inversion to just -24 bps.
- Markets reacted with reduced expectations for Fed rate cuts. Entering 2024, Fed Funds futures priced in at least six cuts for the year; that declined to around one as of April.
- However, subsequent data, including easing inflation, brought rates back close to where they started, with the 10-year Treasury ending the quarter 16 bps higher.

U.S. Treasury Yield Curves

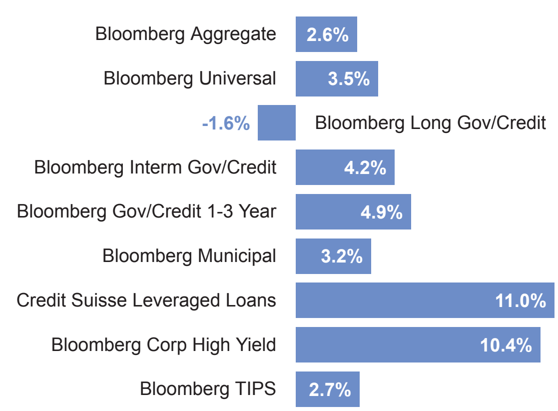


Source: Bloomberg

U.S. Fixed Income: Quarterly Returns (6/30/24)



U.S. Fixed Income: One-Year Returns (6/30/24)



Sources: Bloomberg and Credit Suisse

Municipal Bonds

Higher quality municipal bonds post flat returns in 2Q

- Muni bond yields climbed more than U.S. Treasury yields.
- 10-year AAA municipal bond yield rose 33 bps to 2.84%.
- 10-year U.S. Treasury yield ended 2Q at 4.36% from 4.21%.
- YTD issuance ($235 billion, up 37% YOY) has been met by strong demand with $11.4 billion in positive flows to municipal bond funds.

BBB performs best for the quarter and year

- AAA: -0.28%
- AA: -0.11%
- A: +0.22%
- BBB: +0.68%

Muni valuations vs. U.S. Treasuries remain rich

- 10-year AAA Muni/10-year U.S. Treasury yield ratio increased to 65%, but remains below the 10-year median
- Fundamentals for state and local governments remain sound as upgrades continue to surpass downgrades.
- The need for increased infrastructure spending could benefit municipal bond issuance in years to come.

Global Fixed Income

Macro environment

- Developed market rates rose further in 2Q.
- In June, the Bank of Canada lowered its overnight rate, and the European Central bank cut rates for the first time in five years as growth and inflation moderated.
- Japan's 10-year government bond yield rose above 1% for the first time since 2013.

U.S. dollar continues to strengthen

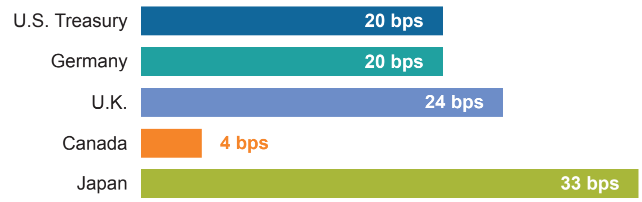
- Major currencies generally continued to weaken relative to the U.S. dollar, albeit at a slower pace from 2Q, detracting from unhedged returns.
- Hedged investors were flat for the quarter following the increase in yields.

Emerging market debt is similarly lackluster

- India was added to the JPM GBI-EM suite of indices in June.

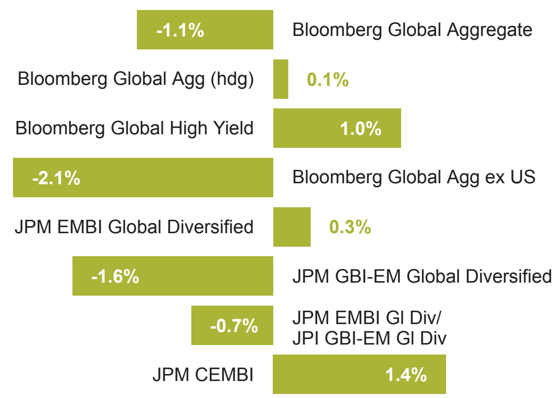
Change in 10-Year Global Government Bond Yields

1Q24 to 2Q24



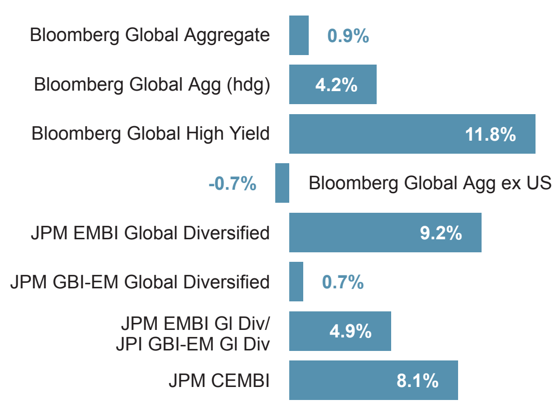
Source: Bloomberg

Global Fixed Income: Quarterly Returns (6/30/24)



Sources: Bloomberg and JPMorgan Chase

Global Fixed Income: One-Year Returns (6/30/24)



Sources: Bloomberg and JPMorgan Chase

- EM hard currency rose 0.3% while the local currency JPM EMBI Global Diversified Index declined 1.6% as the U.S. dollar generally if modestly strengthened relative to local currencies.

Income Positive but Appreciation Falls

REAL ESTATE/REAL ASSETS | Munir Iman

Valuations reflect higher interest rates

- NCREIF Property Index income returns were positive across sectors and regions.
- All property sectors and regions experienced negative appreciation, except for hotels.
- Valuations are reflective of higher interest rates, which have put upward pressure on capitalization rate and discount rate assumptions.
- Both the NPI and the NCREIF ODCE Index fell in the quarter and have produced negative returns over the last year.

Observations

- Global REITs underperformed in 2Q24, declining 2.4% compared to a 2.6% increase for global equities (MSCI World).
- U.S. REITs gained 0.1% in 2Q24, in contrast with the S&P 500 Index, which rose 4.3%.
- REITs continue to trade at a discount to NAV (-4.2%) and offer some relative value given this spread.
- Historically, global REITS have traded at a -4.0% discount to NAV.

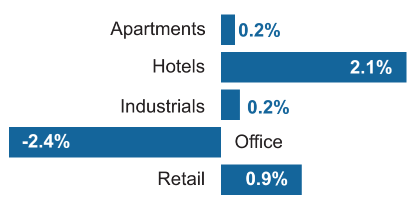
Redemption queues

- Current ODCE redemption queues are approximately 17.3% of net asset value, with a median queue of 13.9%. This compares to the GFC when queues peaked at approximately 15% of NAV.
- Outstanding redemption requests for most large ODCE funds are approximately 11% to 20% of net asset value.
- For a large proportion of funds, these redemptions are partial redemptions, due to portfolio rebalancing and liquidity needs. For a smaller underperforming subset, redemption requests are full redemptions indicative of manager termination.

Transaction activity

- Transaction volume has flattened on a rolling four-quarter basis and remains well below five-year averages.
- In 2Q24, transaction volume increased slightly on a quarter-over-quarter basis. Transaction volume remains significantly lower compared to 2022.
- The volatile rise in interest rates is the driving force behind the slowdown in transactions.

Sector Quarterly Returns by Property Type (6/30/24)



Source: NCREIF

Callan Database Median and Index Returns* for Periods Ended 6/30/24

Private Real Assets	Quarter	Year to Date	1 Year	3 Years	5 Years	10 Years	20 Years
Real Estate ODCE Style	**-0.4**	**-2.8**	**-9.6**	**1.6**	**2.8**	**6.0**	**5.4**
NFI-ODCE (value-weighted, net)	-0.7	-3.2	-10.0	1.0	2.3	5.5	5.8
NCREIF Property	-0.3	-1.2	-5.5	2.3	3.4	6.1	7.3
NCREIF Farmland	-0.2	0.5	2.5	6.8	5.8	6.9	12.1
NCREIF Timberland	1.7	3.9	9.8	11.0	7.2	5.9	7.1
Public Real Estate							
Global Real Estate Style	**-1.7**	**-2.1**	**6.6**	**-3.1**	**2.0**	**4.5**	**7.1**
FTSE EPRA Nareit Developed	0.5	1.2	2.7	1.8	2.6	4.7	--
Global ex-U.S. Real Estate Style	**-3.3**	**-4.9**	**6.4**	**-7.5**	**-0.2**	**3.0**	**--**
FTSE EPRA Nareit Dev ex US	-5.6	-7.6	3.1	-9.6	-4.4	-0.5	--
U.S. REIT Style	**-0.2**	**-0.6**	**7.1**	**-0.1**	**4.9**	**6.6**	**8.6**
FTSE EPRA Nareit Equity REITs	0.1	-0.1	7.8	0.3	3.9	5.9	7.7

*Returns less than one year are not annualized. Sources: Callan, FTSE Russell, NCREIF

Some Early Signs of a Rebound, but Challenges Remain

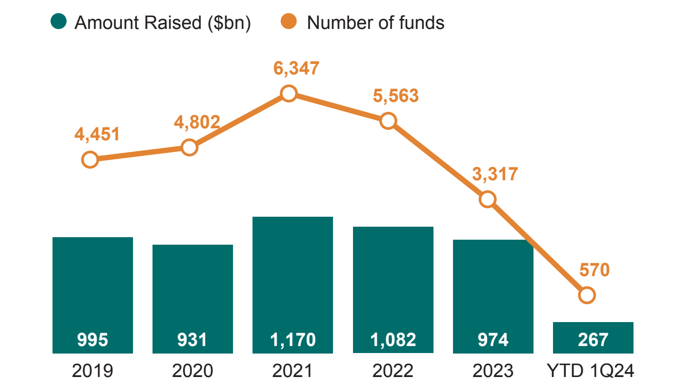
PRIVATE EQUITY | Ashley Kahn

Fundraising ▶ The 2023 vintage year experienced the full impact of the denominator effect, with sharp declines in fundraising for the year. The number of funds raised dropped by ~50% from the highs of 2021–22. Heading into 2024, fundraising continues to fall. The number of funds raised in 1Q24 was down by 42% compared to 1Q23, although the dollar amount raised is consistent.

Buyouts ▶ 2023 represented the trough in buyout dealmaking, with early 2024 seeing improved liquidity conditions and higher public markets comps. Buyout activity was up by 7% in 1Q24 compared to 4Q23. Lower valuations, reflecting higher interest rates and a narrowing of the bid-ask spread, have led to greater activity.

Venture Capital and Growth Equity ▶ Venture capital and growth equity have shown mixed signs of recovery but no large snapback, yet. 1Q24 deal activity was down by 9% from 4Q23. While venture capital activity was steady, there was a significant slowdown in growth equity, with no large growth equity deals during the quarter. 1Q24 exhibited a notable recovery in late-stage valuations. Similarly, early-stage valuations in 2024 also increased by 21% from the prior year.

Annual Fundraising (3/31/24)



Source: PItchbook

Exits ▶ In 2023, private equity exits declined dramatically by over 50% compared to their all-time record in 2021. Exit activity is up so far in 2024, by 15% compared to early 2023. IPO activity remains depressed, and the public offerings that do occur tend to be smaller in scale.

Returns ▶ Public equity's exceptional start to 2024 (led by the "Magnificent Seven" technology stocks) has left private equity in its wake. Over the long-term, private equity has outperformed public equity by 1%-3%.

Private Equity Performance (%) (Pooled Horizon IRRs through 3/31/24*)

Strategy	Quarter	1 Year	3 Years	5 Years	10 Years	20 Years
All Venture	1.4	-1.5	0.6	16.1	15.3	12.5
Growth Equity	1.0	3.9	3.5	14.2	13.3	13.4
All Buyouts	1.1	7.6	10.8	15.4	13.8	14.1
Mezzanine	1.8	10.4	11.1	11.5	10.9	11.3
Credit Opportunities	1.9	8.2	8.8	8.4	7.3	9.2
Control Distressed	0.8	4.5	12.9	13.8	11.0	11.3
All Private Equity	**1.2**	**5.1**	**7.3**	**14.7**	**13.4**	**13.2**

Note: Private equity returns are net of fees. Sources: LSEG/Cambridge and S&P Dow Jones Indices
*Most recent data available at time of publication

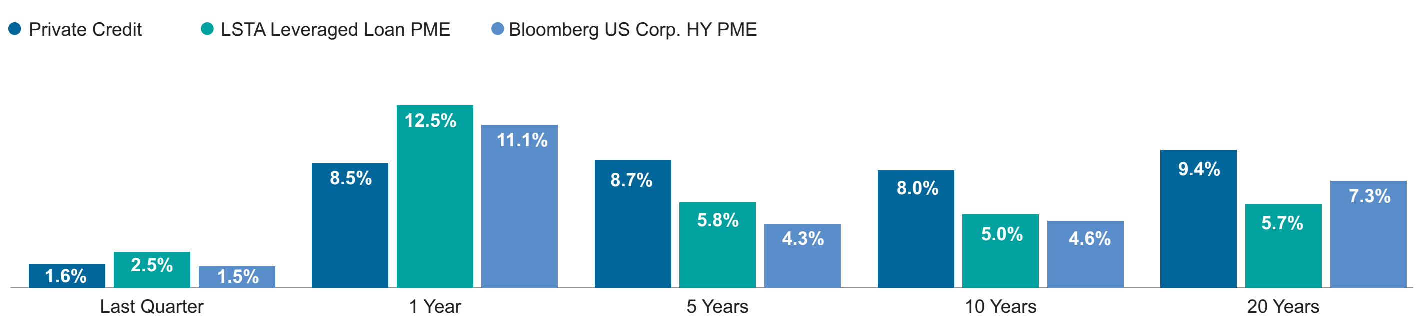
Note: Transaction count and dollar volume figures across all private equity measures are preliminary figures and are subject to update in subsequent versions of the *Capital Markets Review* and other Callan publications.

Gains Outpace Leveraged Loans Over Time; Spreads Contract

PRIVATE CREDIT | Cos Braswell and Daniel Brown

- Over the past 10 years private credit has generated a net IRR of 8.0%, outperforming leveraged loans as of 1Q24.
- Higher-risk strategies have performed better than lower-risk strategies.
- U.S. sub-investment grade corporate yields rose dramatically at the beginning of 2022 with yields peaking in September. This was a combination of higher interest rates due to tighter Fed policy and a widening of high yield spreads. Effective yields continued to drop in 1Q24.
- Spreads contracted during 1Q24, a continuation from late 2023, due to stronger credit conditions as the U.S. economic outlook improved.
- Default rates for U.S. corporate bonds and loans in 2024 continued to slightly rise but remained in the historical average of 3% – 4%.
- The Corporate Bond Market Distress Index (CMDI) rose rapidly during 2022, especially for investment grade bonds, but has fallen since then. In 2024, both the investment grade distress and high yield bond indicator continued to fall, a trend that has proceeded since last year.
- Private credit assets under management (AUM) stood at over $1.5 trillion at the end of 2023, with Preqin forecasting the asset class will grow to over $2.5 trillion by 2028 at a 11.13% compound annual growth rate from 2023 to 2028.
- Direct lending is expected to grow steadily through 2028 as investors increase their private credit allocations. Distressed exposure should grow a bit more slowly with other strategies such as opportunistic, special situations, and other niche diversifiers growing more quickly.

Private Credit Performance (%) (Pooled Horizon IRRs through 3/31/24*)



Private Credit Performance (%) (Pooled Horizon IRRs by Strategy through 3/31/24*)

Strategy	Quarter	1 Year	5 Years	10 Years	20 Years
Senior Debt	0.7	7.7	7.0	7.0	7.2
Mezzanine	1.8	10.4	11.6	10.9	11.3
Credit Opportunities	1.9	8.2	8.4	7.3	9.2
Total Private Credit	1.6	8.5	8.7	8.0	9.4

Source: LSEG/Cambridge
*Most recent data available at time of publication

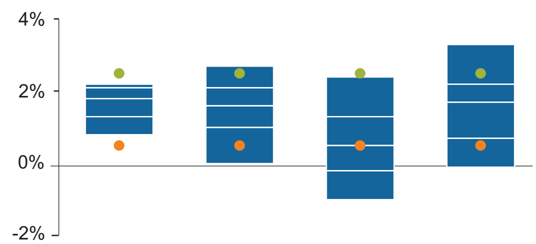
Hedge Funds Gain, Capitalizing on Volatility

HEDGE FUNDS/MACs | Sean Lee and Joe McGuane

U.S. equity markets moved higher during 2Q24, driven by a few large technology and AI-related companies along with generally healthy corporate earnings. Interest rates were volatile during the quarter, as signs of sticky inflation drove bond yields sharply higher, but as the quarter wore on, softer macroeconomic data points and lower inflation readings reversed much of the move. The 10-year U.S. Treasury rose from 4.21% to 4.36%, and the 30-year from 4.34% to 4.51%, as Fed minutes indicate an eagerness to cut rates in September, driven primarily by concerns about the employment outlook despite reasonably good current data.

The S&P 500 rose 4.3% during 2Q, as Technology, Communication Services, and Utilities were the best sectors. Materials, Energy, and Real Estate were down on concerns of higher rates for longer and the slowing economy. Highlighting the AI theme during 2Q, the top six technology stocks in the S&P 500 rose 17% on average primarily due to EPS revisions and multiple expansion, while the remaining 494 S&P 500 stocks saw a slight upward earnings-per-share revision and larger multiple compression driving a 1% decline on average.

Hedge Fund Style Group Returns (6/30/24)



	Absolute Return FOF	Core Div. FOF	Long/Short Equity FOF	Institutional Hedge Funds
10th Percentile	2.2	2.7	2.4	3.3
25th Percentile	2.1	2.1	1.3	2.2
Median	1.8	1.6	0.5	1.7
75th Percentile	1.3	1.0	-0.2	0.7
90th Percentile	0.8	0.0	-1.0	-0.1
HFRI Fund Wtd Index ●	0.5	0.5	0.5	0.5
90-Day T-Bills +5% ●	2.5	2.5	2.5	2.5

Sources: Callan, Credit Suisse, Federal Reserve

Hedge funds ended 2Q higher, as strategies with a higher correlation and a material beta to equities were successfully able to capitalize on volatility in markets. Equity hedge funds again saw positive performance, as managers that focused on technology saw the biggest gains. Managers with more

Callan Peer Group Median and Index Returns* for Periods Ended 6/30/24

Hedge Fund Universe	Quarter	1 Year	3 Years	5 Years	10 Years	15 Years
Callan Institutional Hedge Fund Peer Group	**1.7**	**10.1**	**5.7**	**7.3**	**6.3**	**7.4**
Callan Fund-of-Funds Peer Group	**1.3**	**9.8**	**3.8**	**5.7**	**4.4**	**5.4**
Callan Absolute Return FOF Style	**1.8**	**8.8**	**5.1**	**5.4**	**4.0**	**5.1**
Callan Core Diversified FOF Style	**1.6**	**10.0**	**4.2**	**5.9**	**4.5**	**5.6**
Callan Long/Short Equity FOF Style	**0.5**	**11.1**	**0.8**	**5.6**	**5.3**	**5.6**
HFRI Fund Weighted Index	0.5	9.8	2.9	6.7	4.8	5.3
HFRI Fixed Convertible Arbitrage	1.2	7.5	4.1	6.6	5.0	6.5
HFRI Distressed/Restructuring	2.1	10.5	2.9	6.5	4.1	6.4
HFRI Emerging Markets	1.8	8.6	-1.3	4.1	3.3	4.2
HFRI Equity Market Neutral	2.0	11.2	5.1	4.2	3.4	3.1
HFRI Event-Driven	0.2	10.5	2.7	6.2	4.5	6.1
HFRI Relative Value	1.4	8.4	3.7	4.6	3.9	5.6
HFRI Macro	-0.8	5.9	4.4	5.7	3.5	2.8
HFRI Equity Hedge	1.0	11.8	1.9	7.8	5.6	6.2
HFRI Multi-Strategy	1.1	11.0	-0.3	5.0	2.9	4.5
HFRI Merger Arbitrage	0.0	8.3	3.4	5.5	4.5	4.4
90-Day T-Bill + 5%	2.5	10.4	8.0	7.2	6.5	6.0

*Net of fees. Sources: Callan, Credit Suisse, Hedge Fund Research directional equity exposure and those with more of a market-neutral focus also had a solid quarter. Relative value strategies also gained, as credit relative value and merger arbitrage strategies added to that performance. Macro strategies ended the quarter lower, as long positioning in developed market front-end rates detracted from performance, along with shorts in U.S. equities and long Japanese yen exposure.

Serving as a proxy for large, broadly diversified hedge funds with low-beta exposure to equity markets, the median Callan Institutional Hedge Fund Peer Group rose 1.7%. Within this style group of 50 peers, the average hedged credit manager gained 1.6%, driven by interest rate volatility. Meanwhile, the average hedged equity manager added 2.4%, as those focused on the Technology, Energy, and Health Care sectors drove performance. The median Callan Institutional hedged rates manager rose 1.6%, largely driven by relative value fixed income trades.

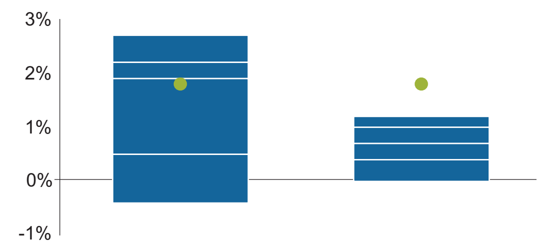
Within the HFRI Indices, the best-performing strategy was relative value, which was up 1.4%, as managers were positioned to profit off interest rate volatility during the quarter. Equity hedge gained 1.0%, as managers that were focused on tech, media, and telecom drove performance. Macro strategies ended the quarter slightly negative, as rates trading and long U.S. equities drove performance lower.

Across the Callan Hedge FOF database, the median Callan Long-Short Equity FOF ended 0.5% higher, as managers with a focus on the Technology sector drove performance. Meanwhile, the median Callan Core Diversified FOF rose 1.6%, driven by equity and event-driven strategies. The Callan Absolute Return FOF ended up 1.8%; equity beta strategies were behind this move.

Since the Global Financial Crisis, liquid alternatives to hedge funds have become popular among investors for their attractive risk-adjusted returns that are similarly uncorrelated with traditional stock and bond investments but offered at a lower cost. Much of that interest is focused on rules-based, long-short strategies that isolate known risk premia such as value, momentum, and carry found across the various capital markets. These alternative risk premia are often embedded, to varying degrees, in hedge funds as well as other actively managed investment products.

Within Callan's database of liquid alternative solutions, the median Callan MAC Long Biased manager rose 1.9%, as the strong equity rally pushed performance higher. The Callan MAC Risk Parity peer group rose 0.7%, as equities and fixed income drove the gains.

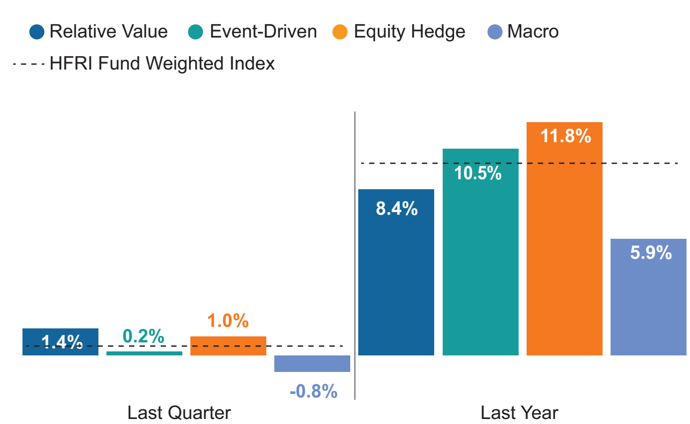
MAC Style Group Returns (6/30/24)



	Long Biased	Risk Parity
10th Percentile	2.7	1.2
25th Percentile	2.2	1.0
Median	1.9	0.7
75th Percentile	0.5	0.4
90th Percentile	-0.4	0.0
60% ACWI / 40% Bloomberg Agg ●	1.7	1.7

Sources: Bloomberg, Callan, Eurekahedge, S&P Dow Jones Indices

HFRI Hedge Fund-Weighted Strategy Returns (6/30/24)



Source: HFRI

DC Index Starts Year with a Big Gain

DEFINED CONTRIBUTION | Scotty Lee

Performance: Index kicks off 2024 with a gain

– The Callan DC Index™ gained 6.6% in 1Q24, which brought the Index's trailing one-year gain to 18.8%.

Growth Sources: Investment gains lead to rise in balances

– Balances within the DC Index rose by 6.6% after a 9.0% increase in the previous quarter.
– Investment gains (6.6%) were the sole driver of the gain, while net flows (0.03%) had a negligible effect.

Turnover: Net transfers increase

– Turnover (i.e., net transfer activity levels within DC plans) in the DC Index increased to 0.44% from the previous quarter's measure of 0.24%.

Net cash flow analysis: Stable value declines sharply

– Automatic features and their appeal to "do-it-for-me" investors typically result in target date funds (TDFs) receiving the largest net inflows in the DC Index, which was the case in 1Q24 as the asset allocation funds garnered 79.5% of quarterly net flows.
– Within equities, investors withdrew assets from U.S. small/mid-cap equity (-12.7%) and company stock (-15.6%).
– Notably, stable value (-50.9%) saw relatively large outflows for the sixth consecutive quarter.

Equity allocation: Exposure rises

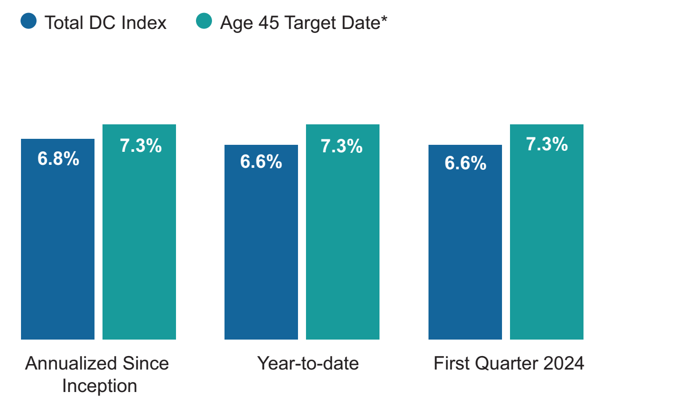
– The Index's overall allocation to equity (73.5%) rose slightly from the previous quarter's level (72.5%). The current equity allocation continues to sit above the Index's historical average (68.6%).

Asset allocation: Fixed income exposure falls

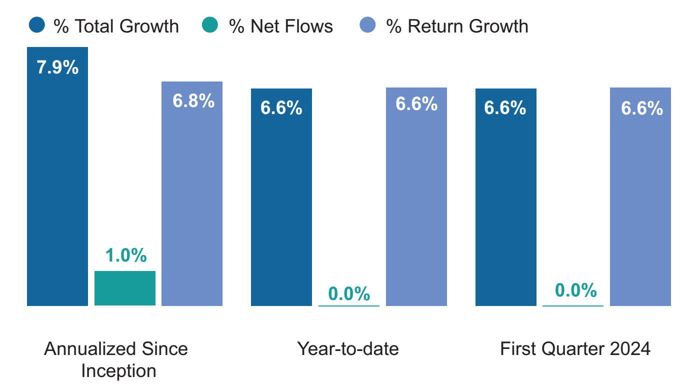
– U.S. large cap equity (27.8%) and target date funds (35.3%) were among the asset classes with the largest percentage increases in allocation.
– Stable value (6.6%) had the largest decrease in allocation from the previous quarter due to net outflows.

Underlying fund performance, asset allocation, and cash flows of more than 100 large defined contribution plans representing approximately $400 billion in assets are tracked in the Callan DC Index.

Investment Performance (3/31/24)



Growth Sources (3/31/24)



Net Cash Flow Analysis 1Q24)
(Top Two and Bottom Two Asset Gatherers)

Asset Class	Flows as % of Total Net Flows
Target Date Funds	79.5%
U.S. Large Cap	10.5%
Company Stock	-15.6%
Stable Value	-50.9%
Total Turnover**	**0.4%**

Data provided here is the most recent available at time of publication.
Source: Callan DC Index
Note: DC Index inception date is January 2006.
* The Age 45 Fund transitioned from the average 2035 TDF to the 2040 TDF in June 2018.
** Total Index "turnover" measures the percentage of total invested assets (transfers only, excluding contributions and withdrawals) that moved between asset classes.

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The *Capital Markets Review* is a quarterly macroeconomic indicator newsletter that provides thoughtful insights on the economy and recent performance in the equity, fixed income, alternatives, real estate, and other capital markets.

If you have any questions or comments, please email institute@callan.com.

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Callan was founded as an employee-owned investment consulting firm in 1973. Ever since, we have empowered institutional clients with creative, customized investment solutions that are backed by proprietary research, exclusive data, and ongoing education. Today, Callan advises clients with more than $3 trillion in total assets, which makes it among the largest independently owned investment consulting firms in the U.S. Callan uses a client-focused consulting model to serve pension and defined contribution plan sponsors, endowments, foundations, independent investment advisers, investment managers, and other asset owners. Callan has six offices throughout the U.S. For more information, please visit callan.com.

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The Callan Institute, established in 1980, is a source of continuing education for those in the institutional investment community. The Institute conducts conferences and workshops and provides published research, surveys, and newsletters. The Institute strives to present the most timely and relevant research and education available so our clients and our associates stay abreast of important trends in the investments industry.

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August 20, 2024

Public Employee Retirement System of Idaho

Second Quarter 2024

Performance Evaluation

Ann O'Bradovich
Senior Vice President

Agenda

- Market Overview and Summary
- DB Performance
- DC Performance *(Presented during DC Workshop)*
- Sick Leave Plan Performance
- Callan Updates

Equity and Bond Markets Mixed in 2Q

Many sectors still have ground to make up to recover losses of 2022

S&P 500 climbed 4.3% in 2Q24

- Emerging markets and non-U.S. small cap equities also posted gains but U.S. small cap and developed non-U.S. stocks fell.

Core fixed income eked out a gain

- The Bloomberg Aggregate rose 0.1% despite rates rising over the quarter due to coupon income offsetting price losses.
- Long duration fixed income and non-U.S. bonds fell.
- Interest rates have been volatile as the markets assess when and how swiftly the Fed will begin easing.
- CPI-U came in at 3.0% (year-over-year) in 2Q, falling sharply from last quarter's 3.5%, and improving the prospects for a rate cut later this year.

Economy reignites in second quarter

- After a weak 1.4% rise in 1Q24, the initial estimate for 2Q24 GDP came in at a brisk 2.8%, with consumer spending and business investment fueling the climb.

Returns for Periods ended 6/30/24

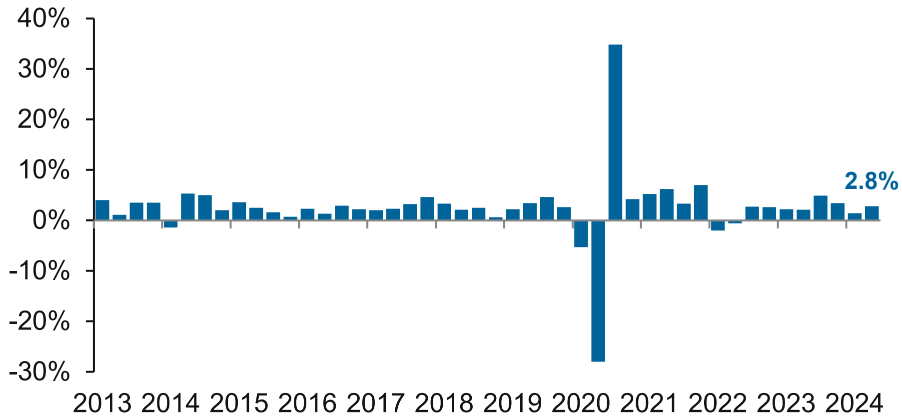
	Quarter	1 Year	3 Years	5 Years	10 Years	25 Years
U.S. Equity						
Russell 3000	3.22	23.13	8.05	14.14	12.15	7.82
S&P 500	4.28	24.56	10.01	15.05	12.86	7.67
Russell 2000	-3.28	10.06	-2.58	6.94	7.00	7.60
Global ex-U.S. Equity						
MSCI World ex USA	-0.60	11.22	2.82	6.55	4.27	4.63
MSCI Emerging Markets	5.00	12.55	-5.07	3.10	2.79	--
MSCI ACWI ex USA Small Cap	0.66	11.26	-1.45	6.13	4.44	6.74
Fixed Income						
Bloomberg Aggregate	0.07	2.63	-3.02	-0.23	1.35	3.88
90-day T-Bill	1.32	5.40	3.03	2.16	1.51	1.91
Bloomberg Long Gov/Credit	-1.73	-1.58	-8.51	-2.22	1.65	5.29
Bloomberg Global Agg ex-US	-2.11	-0.66	-7.48	-3.56	-1.86	2.46
Real Estate						
NCREIF Property	-0.26	-5.53	2.33	3.39	6.07	7.75
FTSE Nareit Equity	0.06	7.79	0.30	3.90	5.90	9.06
Alternatives						
HFRI Fund Weighted	0.67	9.95	2.92	6.70	4.79	6.00
Bloomberg Commodity	2.89	5.00	5.65	7.25	-1.29	2.69
CPI-U	0.59	2.97	4.96	4.17	2.80	2.58

*Cambridge Private Equity and Cambridge Senior Debt data as of 3/31/24.
Returns greater than one year are annualized. Sources: Bloomberg, Callan, Cambridge, FTSE Russell, HFRI, MSCI, NCREIF, S&P Dow Jones Indices

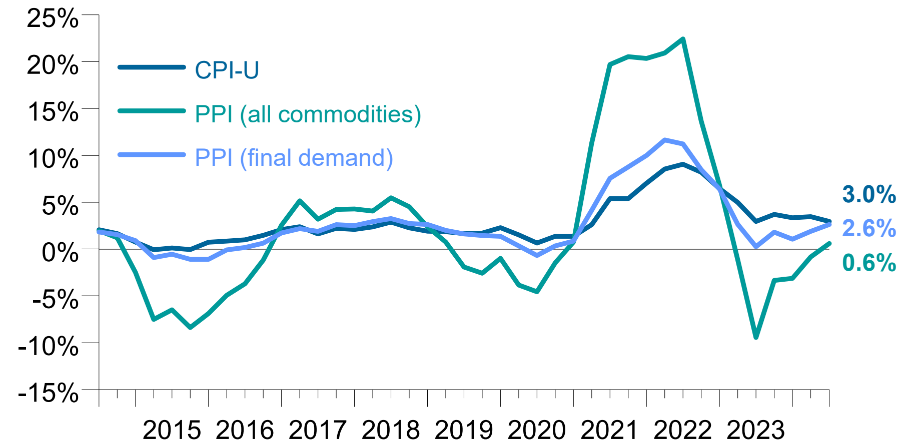
U.S. Economy—Summary

For periods ended 6/30/24

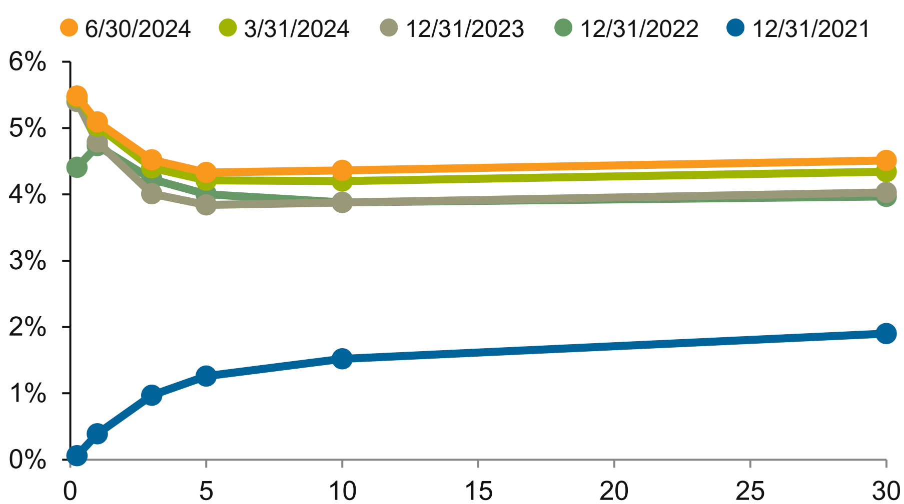
Quarterly Real GDP Growth



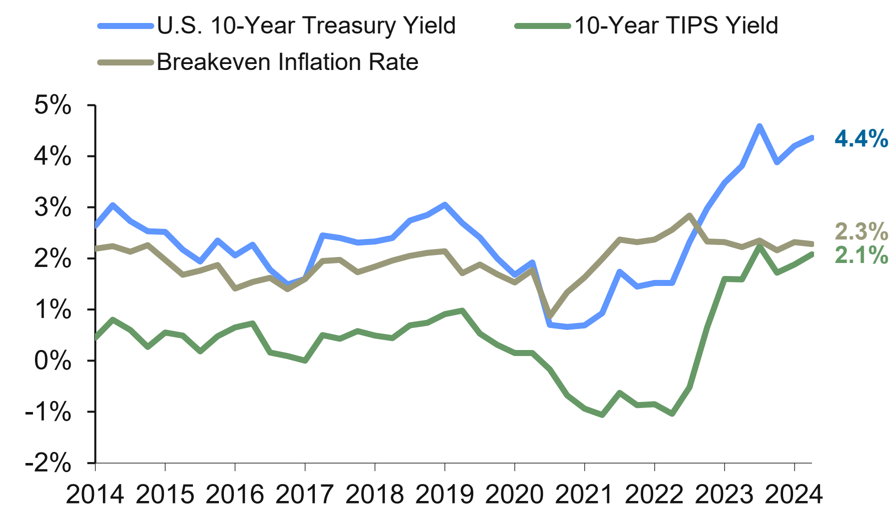
Inflation Year-Over-Year



U.S. Treasury Yield Curves



Historical 10-Year Yields



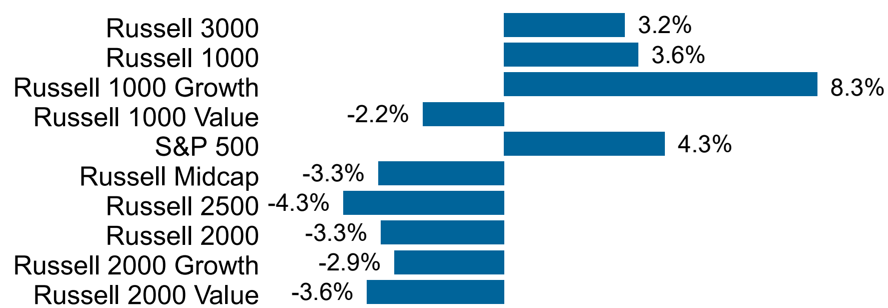
Sources: Bureau of Labor Statistics, Callan, Federal Reserve

U.S. Equity Performance: 2Q24

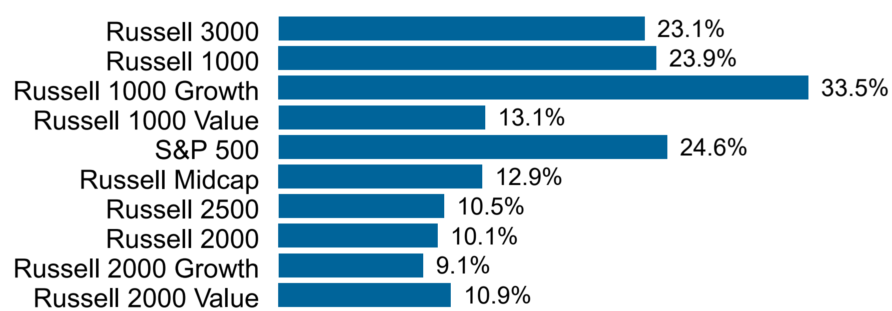
Broad indices exhibited a strong start to 2024, but performance was uneven

- The U.S. equity market had an exceptional start with the S&P 500 hitting 31 record highs over the first six months of 2024 and gaining 15.3%.
- Index returns continued to be driven by a handful of stocks, especially the "Magnificent Seven," which comprised 33% of the S&P 500 as of quarter-end. As a group, the cohort gained 33% in the first six months of the year, far exceeding the S&P 493 gain of only 5%.
- 2Q returns for the broad S&P 500 Index were modest at 4.3%, but sector performance was quite mixed, ranging from -4.5% (Materials) to +13.8% (Technology), with 6 of the 11 S&P 500 sectors posting negative returns during the period.
- During 2Q, value (R1000V: -2.2%) continued to underperform growth (R1000G: +8.3%) and small cap (R2000: -3.3%) continued to underperform large cap (R1000: +3.6%).
- In the first half of 2024, the 12.5% performance difference in small cap (Russell 2000) versus large cap (Russell 1000) was the widest since 1973.

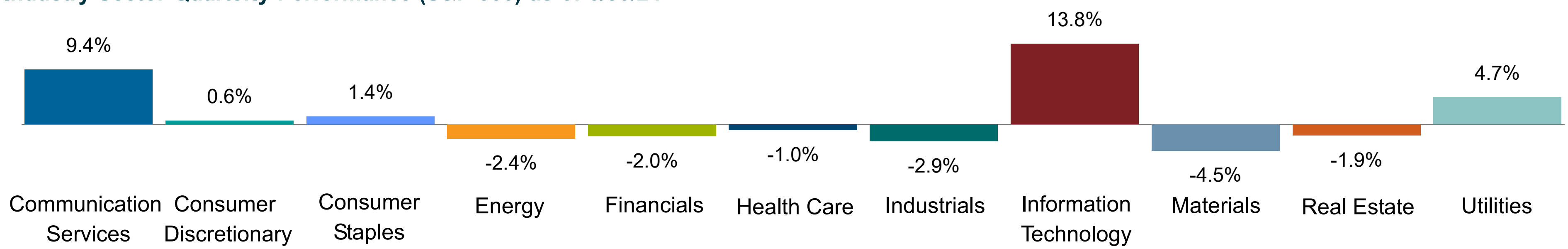
U.S. Equity: Quarter Ended 6/30/24



U.S. Equity: One Year Ended 6/30/24



Industry Sector Quarterly Performance (S&P 500) as of 6/30/24



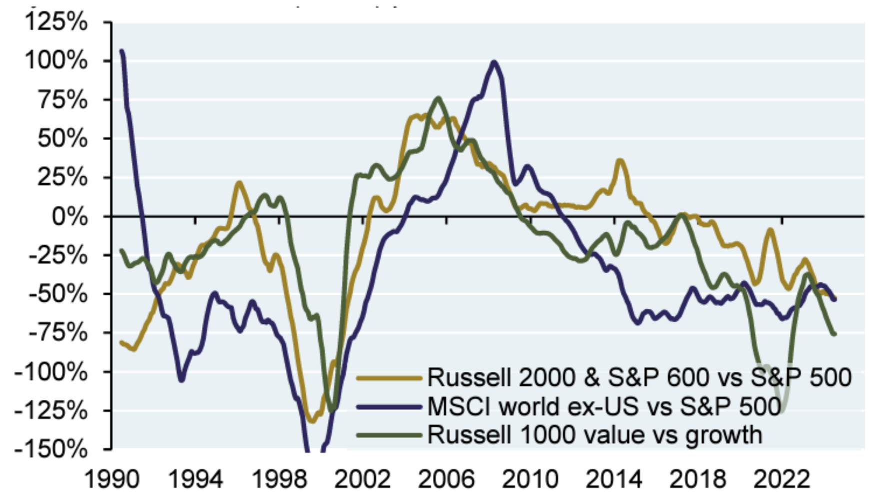
Sources: FTSE Russell, S&P Dow Jones Indices

U.S. Equity: Small cap vs. large cap performance history

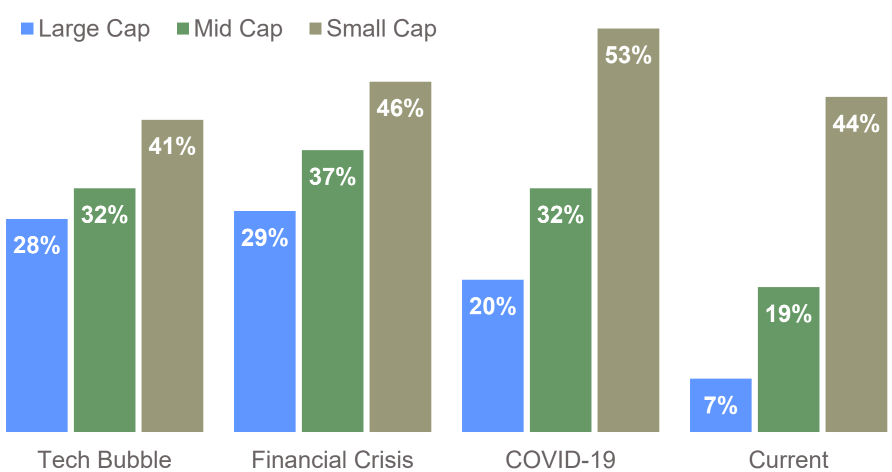
- Since 2010, small cap has been one of the big three underperforming portfolio strategies alongside value vs. growth and non-U.S. stocks vs. U.S.

Why has small cap underperformed broadly?
- **Lower quality:** Small cap (R2000) continues to have a higher proportion of unprofitable companies and lower earnings growth.
- **Tech dominance:** Large cap tech stocks have tripled the performance of small cap tech since YE 2010, with most of that excess performance occurring post-2019.
- **Non-Tech underperformance:** No small cap sector meaningfully outperformed large cap since 2010.

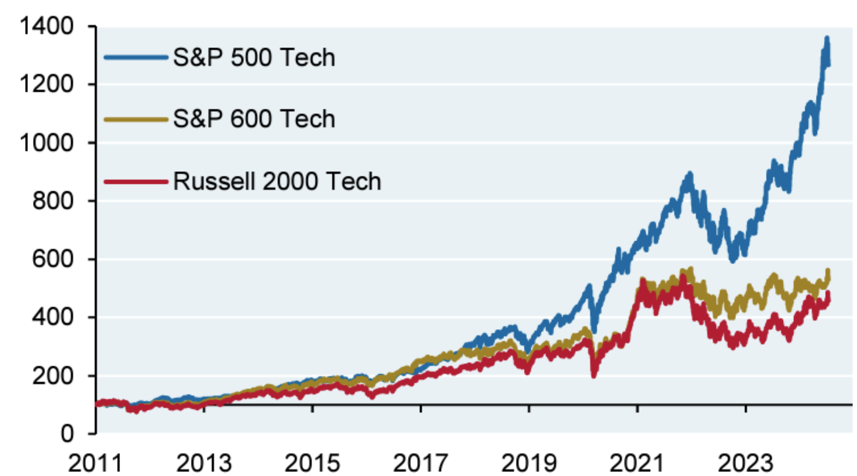
Five Year Cumulative Out-/Under-Performance (as of July 2024)



Percent of Unprofitable Companies (as of July 2024)



Large Cap vs Small Cap Tech Sector Performance (as of July 2024)



Sources: Bloomberg, J.P. Morgan

Global/Global ex-U.S. Equity Performance: 2Q24

Reversal as China snaps back and Japan lags; India continues to outperform

Broad market

- The U.S. continued its lead over developed non-U.S. markets
- Developed non-U.S. markets struggled with growing uncertainty on future economic growth, political instability, and divergent central bank policies.

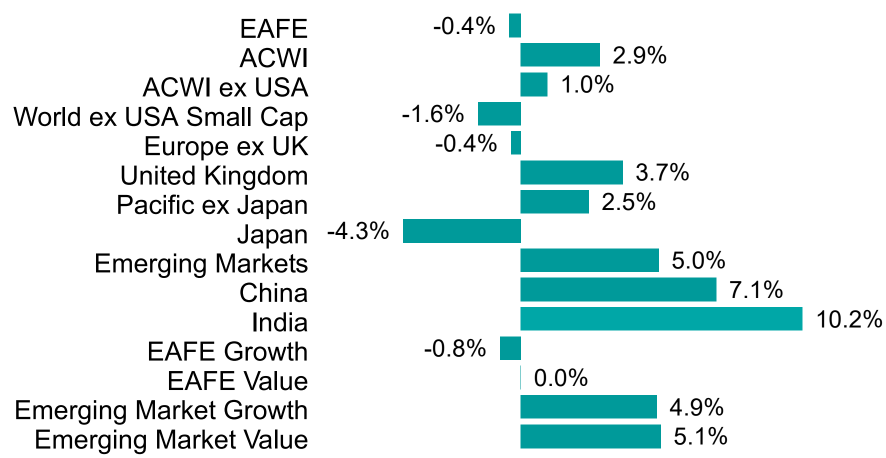
Emerging markets

- Emerging markets rebounded, snapping a two-quarter losing streak relative to developed markets as both China and India produced strong returns.
- China's GDP growth exceeded expectations with a rebound in industrial production, manufacturing, and exports. Further, the Chinese government implemented several measures to support capital markets.

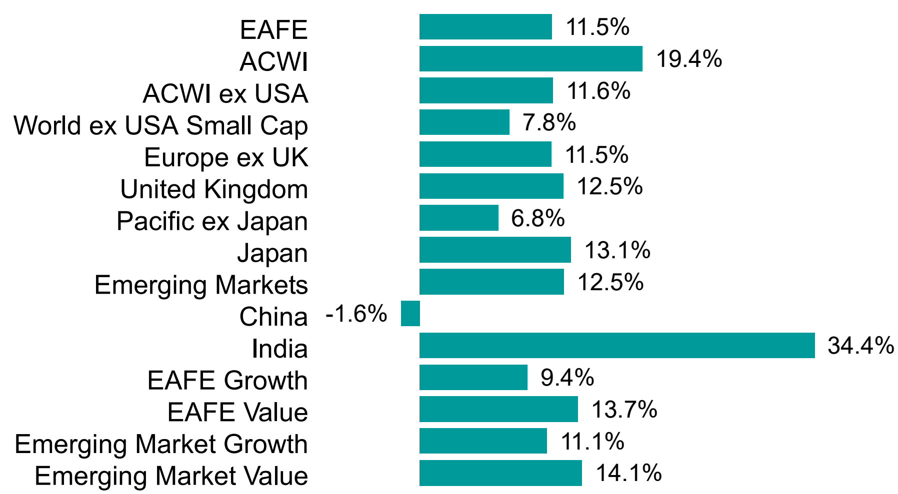
U.S. dollar strength

- The U.S. Dollar Index (DXY), was relatively flat in 2Q due to a balancing act of increased global uncertainty but a more likely 2024 U.S. central bank rate cut.

Global Equity Returns: Quarter Ended 6/30/24



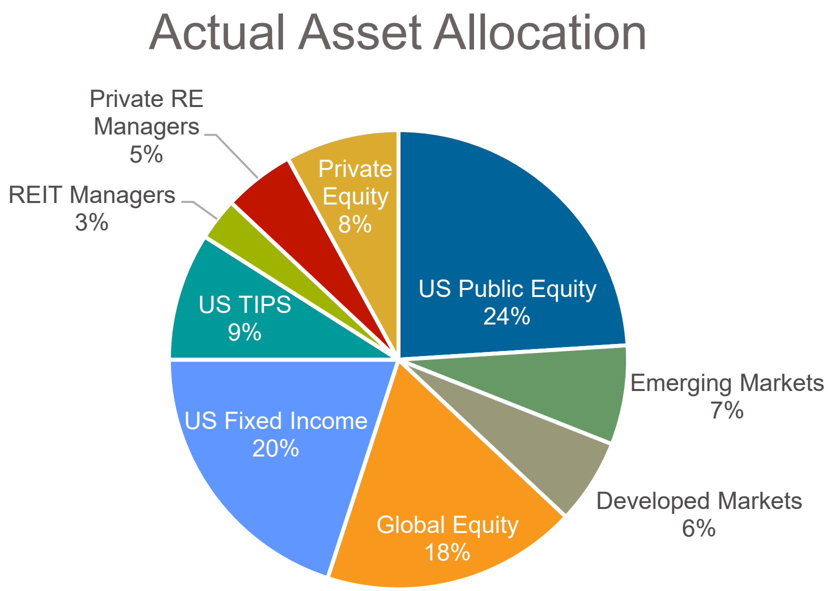
Global Equity Returns: One Year Ended 6/30/24

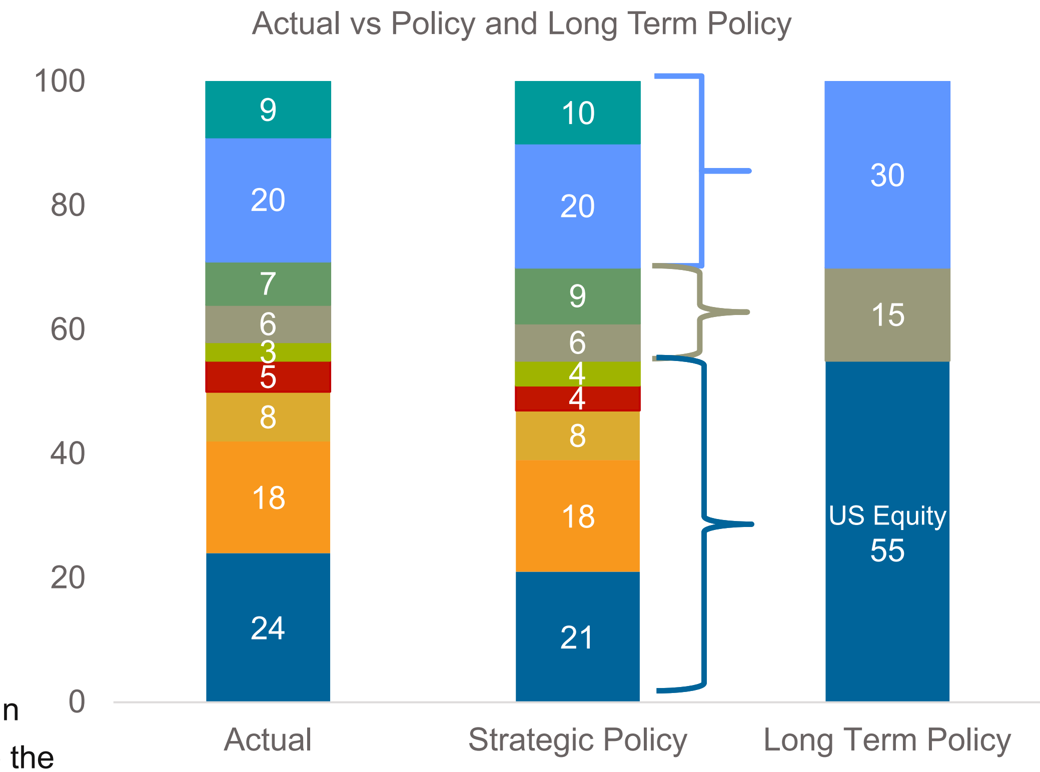


Source: MSCI

DB Plan Asset Allocation vs. Policy Target

Periods ended June 30, 2024





- Target asset allocation reflects strategic policy decisions to invest in Private Equity, Real Estate, Global Equity, and US TIPS relative to the Long-Term Target of 55% US Equity, 15% Non-US Equity, and 30% Bonds.
- The Fund was overweight to US Public Equity and Private Real Estate, and underweight to REITS, Emerging Markets Equity, and US TIPS relative to the Strategic Policy Target. Actual weights are within acceptable ranges
- Relative to the median public plan, PERSI has a strategic underweight to US Equity and overweight to Emerging Markets and TIPS.

Asset Class	Current	Target	Ranges
Equities	71%	70%	66% - 77%
Broad Domestic Equity	58%	55%	50% - 65%
International Developed Equity	13%	15%	10% - 20%
Fixed Income	29%	30%	23% - 33%
Cash	0%	0%	0% - 5%

PERSI DB: 2nd Quarter 2024 Performance Summary*

Total Fund ended the 2nd quarter 2024 with $23.9 B, a net increase of $0.1 B

- Net withdrawals: - $0.132 B
- Investment growth: + $0.070 B

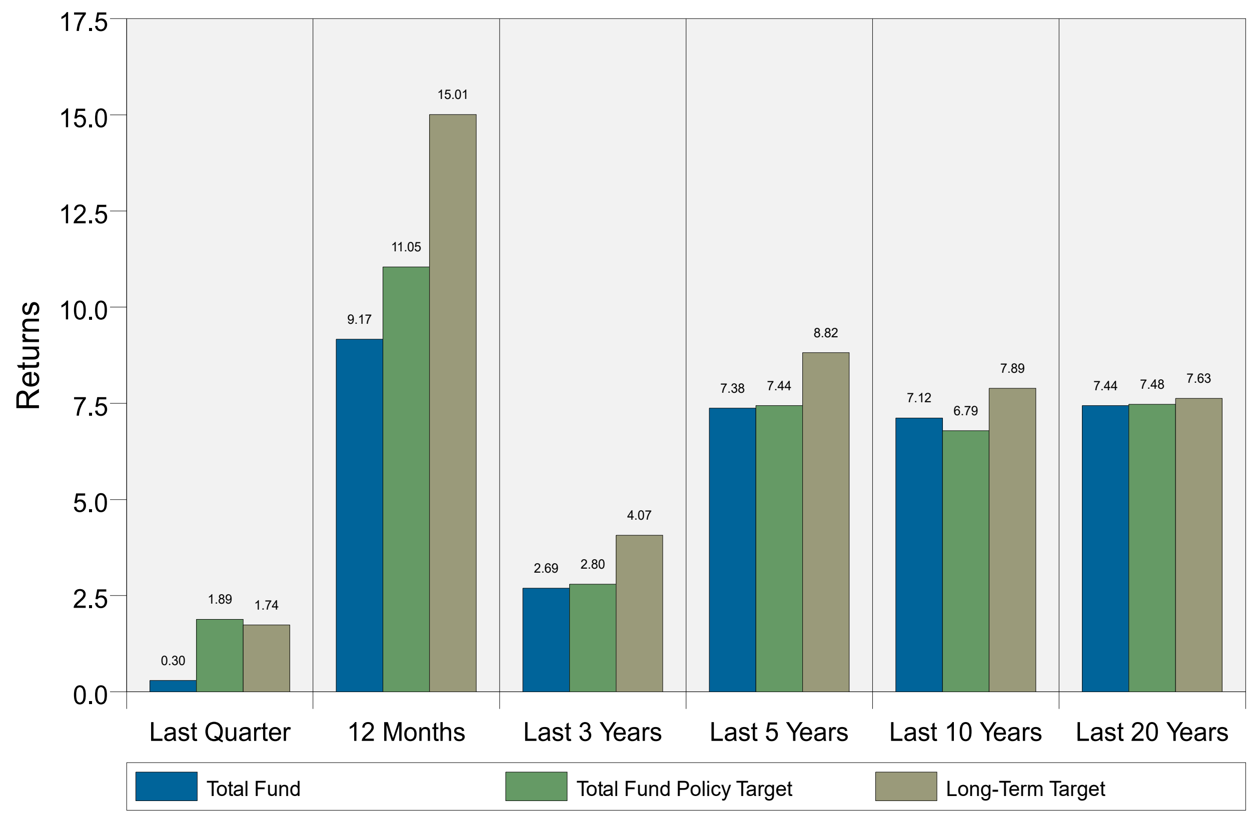
Fiscal year 2024: PERSI Total Fund earned a return of +9.2%, trailing the Policy and Long-Term Target returns

- In aggregate the managers underperformed their benchmarks by 167 bps.
- Variations from policy detracted 22 bps.

Over the last three years, the Total Fund returned 2.69%, trailing the Policy Target return of 2.80%. Over the last five years, the Total Fund gained 7.38% vis-à-vis the Policy Target return of 7.44%

Last 20 years: Total Fund has earned an average annual return of 7.44%

Total Fund Returns
Periods Ending June 30, 2024

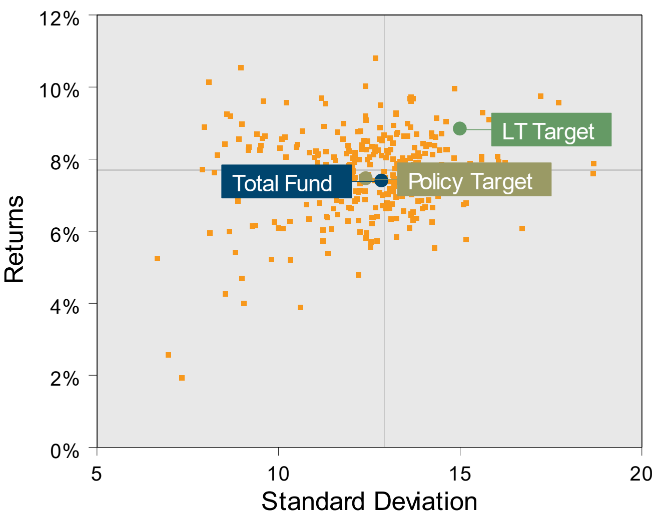


* Total Fund Returns are Gross of Fees

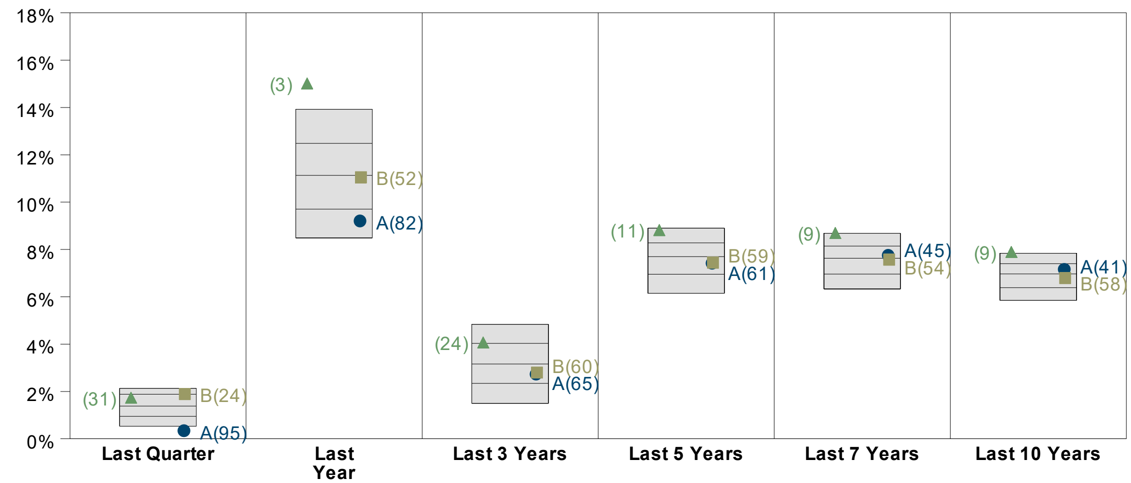
DB Plan Total Return Rankings

As of June 30, 2024

Callan Public Fund Sponsor Database (Gross)
Annualized Five Year Risk vs Return



Performance vs Callan Public Fund Sponsor Database (Gross)



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	2.13	13.92	4.84	8.90	8.68	7.84
25th Percentile	1.88	12.48	4.03	8.28	8.14	7.40
Median	1.38	11.13	3.16	7.70	7.63	6.96
75th Percentile	0.95	9.71	2.34	6.95	6.96	6.39
90th Percentile	0.53	8.49	1.50	6.15	6.33	5.85
Total Fund ● A	0.30	9.17	2.69	7.38	7.71	7.12
Policy Target ■ B	1.89	11.05	2.80	7.44	7.57	6.79
LT Target ▲	1.74	15.01	4.07	8.82	8.70	7.89

Over longer time periods (7- and 10-year) the PERSI Total Fund ranked above the median

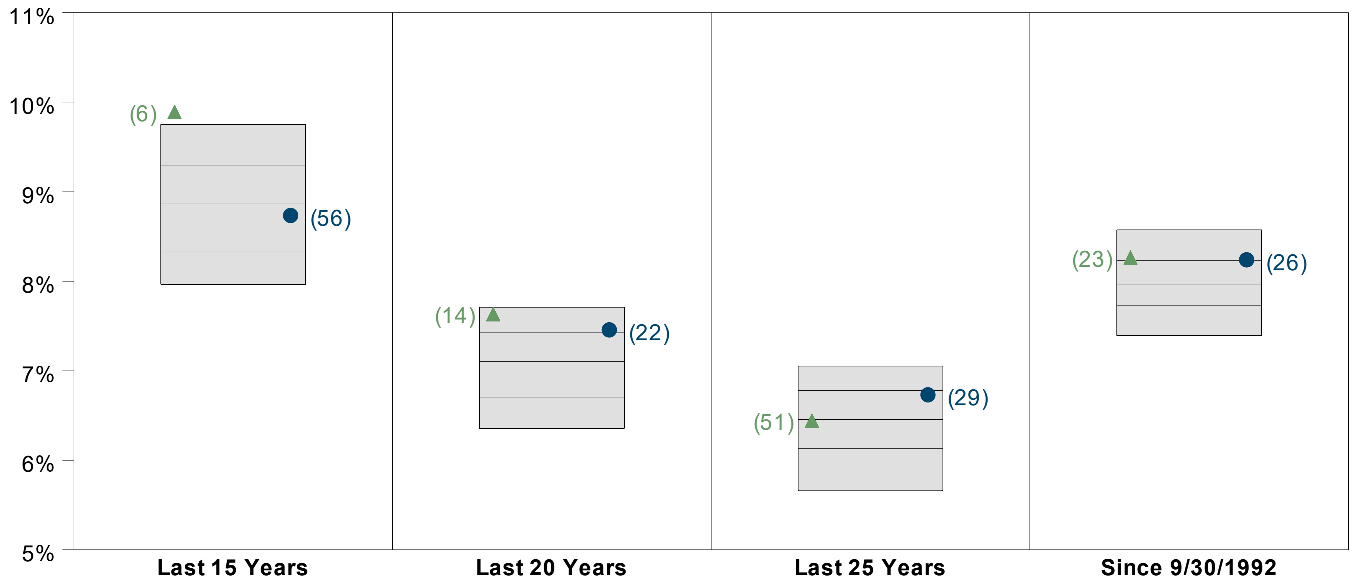
The Long-Term Target has outperformed due to the relatively high allocation to US Equity. The Policy Target's more diversified allocation has provided lower volatility

DB Plan Total Return Rankings

As of June 30, 2024

PERSI Total Fund ranked above median for the last 20 years, 25 years and since Sept 30, 1992

Performance vs Callan Public Fund Sponsor Database (Gross)



	Last 15 Years	Last 20 Years	Last 25 Years	Since 9/30/1992
10th Percentile	9.75	7.71	7.05	8.57
25th Percentile	9.30	7.42	6.78	8.23
Median	8.86	7.10	6.46	7.96
75th Percentile	8.34	6.71	6.13	7.73
90th Percentile	7.97	6.36	5.66	7.39
Total Fund ●	8.72	7.44	6.72	8.23
LT Target ▲	9.89	7.63	6.44	8.27

DB Plan Total Fund Attribution*

Quarter ended June 30, 2024

Relative Attribution Effects for Quarter ended June 30, 2024

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Style Allocation	Total Relative Return
US Public Equity	23%	21%	0.25%	3.22%	(0.67%)	0.02%	(0.65%)
Developed Markets	7%	6%	0.29%	(0.42%)	0.04%	(0.02%)	0.03%
Emerging Markets	8%	9%	4.23%	5.00%	(0.06%)	(0.05%)	(0.11%)
Global Equity	18%	18%	(1.31%)	2.87%	(0.76%)	(0.01%)	(0.77%)
US TIPS	9%	10%	0.96%	0.79%	0.02%	0.01%	0.02%
US Fixed Income	20%	20%	0.17%	0.07%	0.02%	(0.00%)	0.02%
REIT Managers	3%	4%	(0.30%)	(0.90%)	0.02%	0.01%	0.03%
Private Real Estate	5%	4%	(3.95%)	(0.82%)	(0.15%)	(0.02%)	(0.17%)
Private Equity	8%	8%	2.77%	2.77%	0.00%	(0.00%)	(0.00%)
Cash/Transition	0%	0%	1.22%	1.22%	0.00%	(0.00%)	(0.00%)
Total			**0.30% =**	**1.89% +**	**(1.53%) +**	**(0.06%)**	**(1.59%)**

- Total Fund underperformed the Policy Target by 159 basis points during the past quarter.
- Manager Performance: - 153 bps
  - + Developed Markets, US TIPS, US Fixed Income, and REITs outperformed.
  - - US Public Equity, Emerging Markets, Global Equity, and Private Real Estate underperformed
- Allocation Impacts: - 6 bps
  - + Overweight US Equity
  - + Underweight TIPs and REITs
  - - Overweight Developed Markets and Private Real Estate
  - - Underweight Emerging Markets

* Total Fund Returns are Gross of Fees

DB Plan Total Fund Attribution*

1 Year ended June 30, 2024

One Year Relative Attribution Effects

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Style Allocation	Total Relative Return
US Public Equity	21%	21%	24.21%	23.13%	0.11%	(0.09%)	0.02%
Developed Markets	6%	6%	11.48%	11.54%	(0.01%)	(0.01%)	(0.02%)
Emerging Markets	8%	9%	11.14%	12.55%	(0.11%)	(0.06%)	(0.16%)
Global Equity	20%	18%	10.44%	19.38%	(1.67%)	0.20%	(1.47%)
US TIPS	10%	10%	2.55%	2.71%	(0.02%)	0.03%	0.02%
US Fixed Income	19%	20%	3.07%	2.63%	0.09%	0.08%	0.17%
REIT Managers	4%	4%	8.17%	5.78%	0.09%	0.00%	0.09%
Private Real Estate	5%	4%	(13.07%)	(10.32%)	(0.15%)	(0.31%)	(0.46%)
Private Equity	8%	8%	4.96%	4.96%	0.00%	(0.03%)	(0.03%)
Cash/Transition	0%	0%	4.59%	4.59%	0.00%	(0.02%)	(0.02%)
Total			**9.17%**	**= 11.05%**	**+ (1.67%)**	**+ (0.22%)**	**(1.88%)**

- Total Fund underperformed the Policy Target by 188 basis points during the past 12 months.

- Manager Performance: - 167 bps
  - \+ US Equity, Fixed Income, and REITs outperformed
  - \- Developed Markets, Emerging Markets, Global Equity, TIPs, and Private RE underperformed.

- Allocation Impacts: - 22 bps
  - \+ Overweight Global Equity
  - \+ Underweight Fixed Income
  - \- Overweight Private Real Estate
  - \- Underweight Emerging Markets

* Total Fund Returns are Gross of Fees

DB Plan Total Fund Attribution*

5 Years ended June 30, 2024

Five Year Annualized Relative Attribution Effects

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Style Allocation	Total Relative Return
US Public Equity	22%	21%	13.97%	14.14%	(0.06%)	0.01%	(0.06%)
Developed Markets	6%	6%	6.45%	6.46%	0.00%	(0.02%)	(0.02%)
Emerging Markets	8%	9%	2.91%	3.10%	(0.01%)	0.03%	0.02%
Global Equity	18%	18%	10.41%	10.76%	(0.06%)	0.01%	(0.05%)
US TIPS	10%	10%	1.99%	2.07%	(0.01%)	0.01%	0.00%
US Fixed Income	19%	20%	0.28%	(0.23%)	0.10%	0.12%	0.22%
Private Real Estate	5%	4%	5.57%	2.58%	0.20%	(0.13%)	0.07%
REIT Managers	4%	4%	4.51%	3.40%	0.04%	(0.03%)	0.01%
Private Equity	7%	8%	14.51%	14.51%	0.00%	(0.20%)	(0.20%)
Cash/Transition	0%	0%	2.12%	2.12%	0.00%	(0.07%)	(0.07%)

Total 7.38% = 7.44% + 0.21% + (0.27%) (0.06%)

- Total Fund underperformed the Policy Target by 6 basis points for the past 5 years.

\+ Manager Performance: + 21 bps
- \+ Fixed Income, Private RE, and REITs outperformed.
- \- US Equity, Emerging Markets, Global Equity, and TIPs underperformed.

\- Allocation Impacts: - 27 bps
- \+ Overweight US Equity
- \+ Underweight Emerging Markets and Fixed Income
- \- Overweight Private RE
- \- Underweight Private Equity

* Total Fund Returns are Gross of Fees

DB Plan Total Fund Attribution*

10 Years ended June 30, 2024

Ten Year Annualized Relative Attribution Effects

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return	Target Return	Manager Effect	Style Allocation	Total Relative Return
US Public Equity	24%	21%	12.30%	12.15%	0.02%	0.11%	0.13%
Developed Markets	6%	6%	4.42%	4.33%	0.00%	(0.03%)	(0.02%)
Emerging Markets	8%	9%	2.65%	2.79%	(0.01%)	0.01%	0.00%
Global Equity	17%	18%	9.22%	8.43%	0.12%	(0.02%)	0.11%
US TIPS	10%	10%	1.84%	1.91%	(0.01%)	0.00%	(0.00%)
US Fixed Income	18%	20%	1.92%	1.35%	0.11%	0.07%	0.18%
REIT Managers	4%	4%	6.87%	6.11%	0.02%	(0.02%)	(0.00%)
Private Real Estate	5%	4%	9.54%	5.80%	0.19%	(0.07%)	0.13%
Private Equity	7%	8%	12.37%	12.37%	0.00%	(0.15%)	(0.15%)
Cash/Transition	0%	0%	2.17%	2.17%	0.00%	(0.04%)	(0.04%)
Total			**7.12% =**	**6.79% +**	**0.46% +**	**(0.13%)**	**0.33%**

+ Total Fund outperformed the Policy Target by 33 basis points for the past 10 years.

+ Manager Performance: + 46 bps
  + US Equity, Global Equity, Fixed Income, REITs, and Private RE outperformed.
  - Emerging Markets and TIPS underperformed.

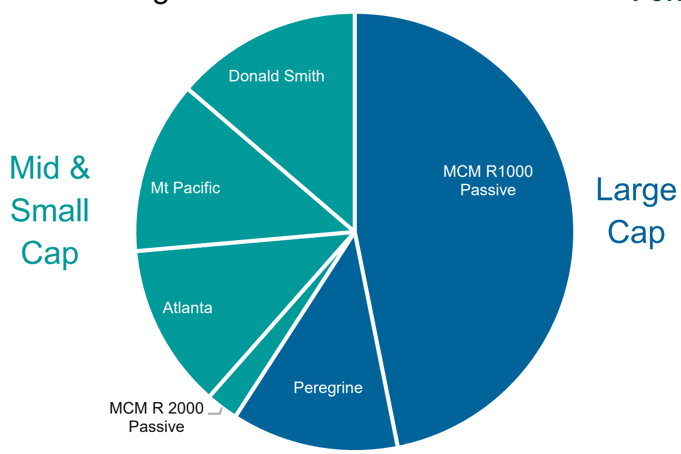
- Allocation Impacts: -13 bps
  + Overweight US Equity
  + Underweight Emerging Markets and Fixed Income
  - Overweight Private RE
  - Underweight Global Equity and Private Equity

* Total Fund Returns are Gross of Fees

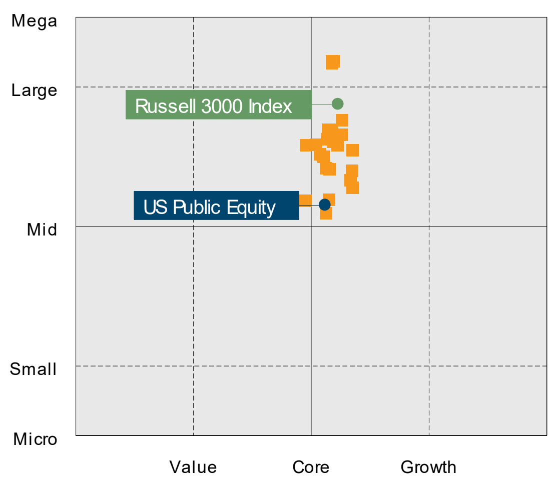
U.S. Equity Portfolio vs. Public Plan Domestic Equity Database

Periods ended June 30, 2024

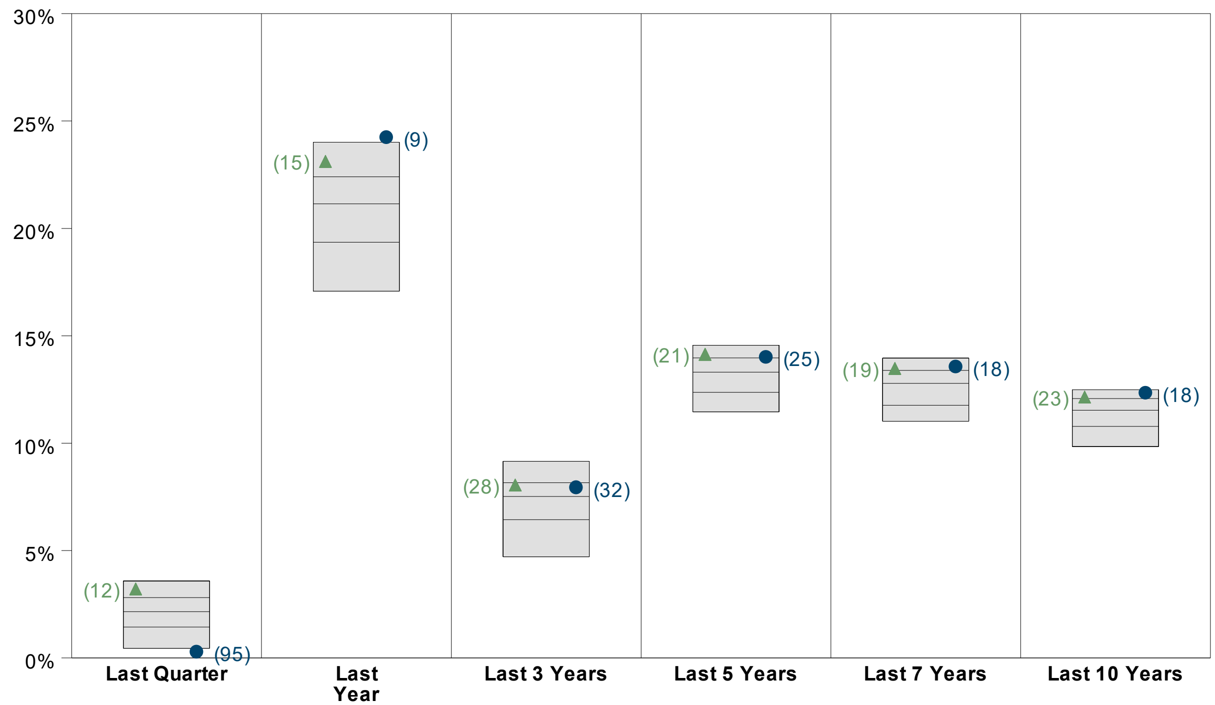
Manager Structure: 49% Active



Style Map vs Pub Pln- Dom Equity
Holdings as of June 30, 2024



Performance vs Public Fund - Domestic Equity (Gross)

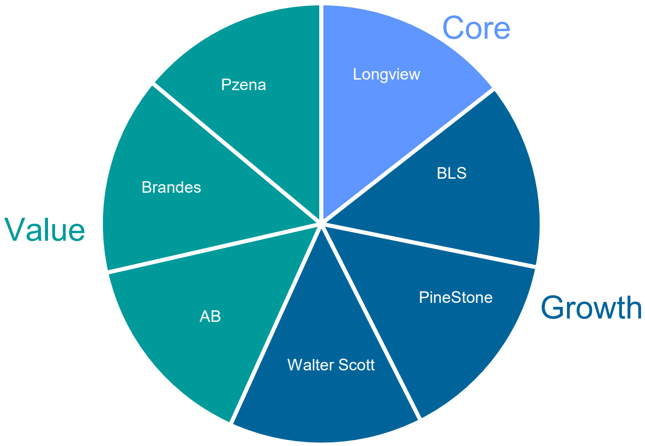


	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	3.59	24.01	9.16	14.56	13.97	12.49
25th Percentile	2.81	22.41	8.16	13.97	13.39	12.08
Median	2.16	21.15	7.52	13.31	12.79	11.54
75th Percentile	1.44	19.36	6.44	12.37	11.77	10.79
90th Percentile	0.45	17.08	4.71	11.47	11.02	9.85
US Public Equity ●	0.25	24.21	7.89	13.98	13.52	12.31
Russell 3000 Index ▲	3.22	23.13	8.05	14.14	13.48	12.15

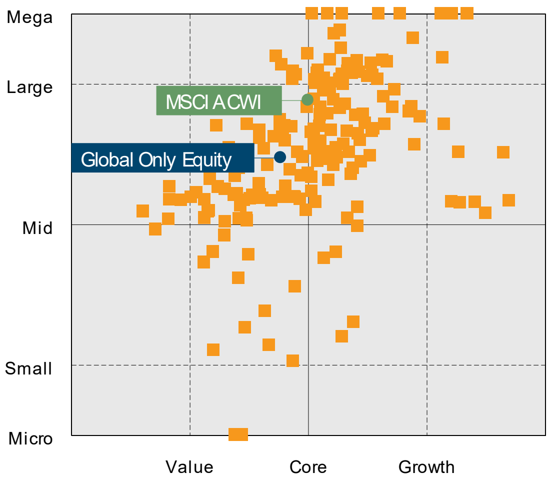
Global Equity Portfolio vs. Global Equity Database

Periods ended June 30, 2024

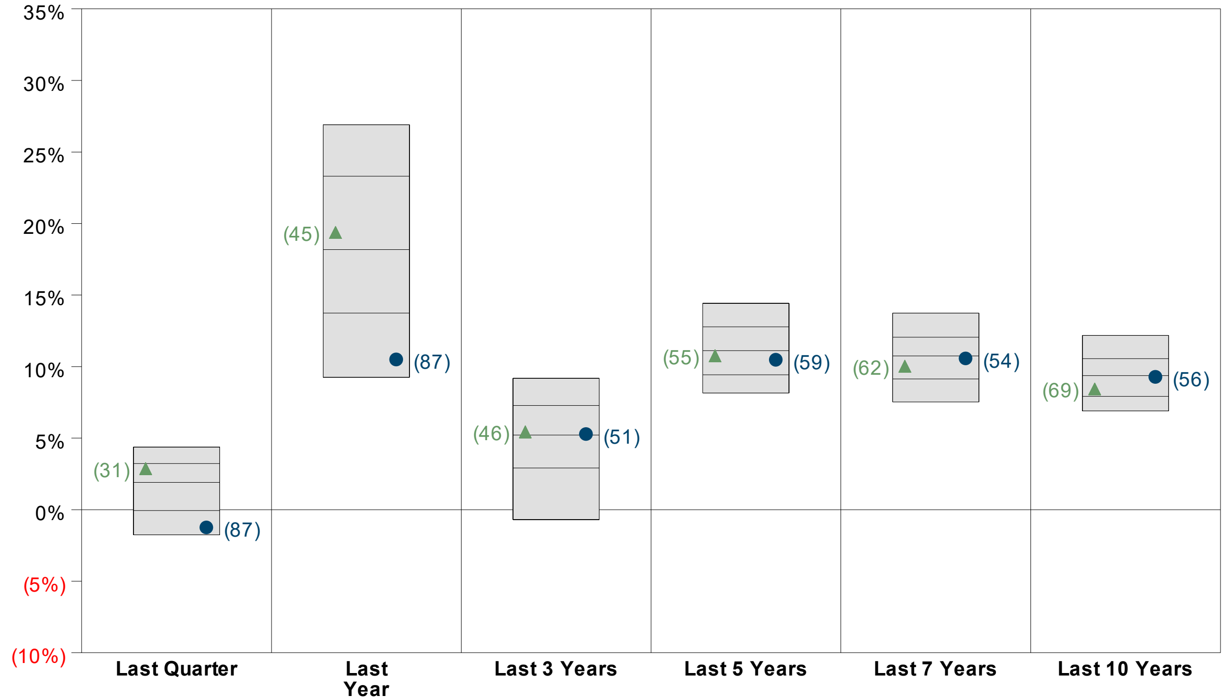
Manager Structure: 100% Active



Style Map vs Callan Global Equity
Holdings as of June 30, 2024



Performance vs Callan Global Equity (Gross)

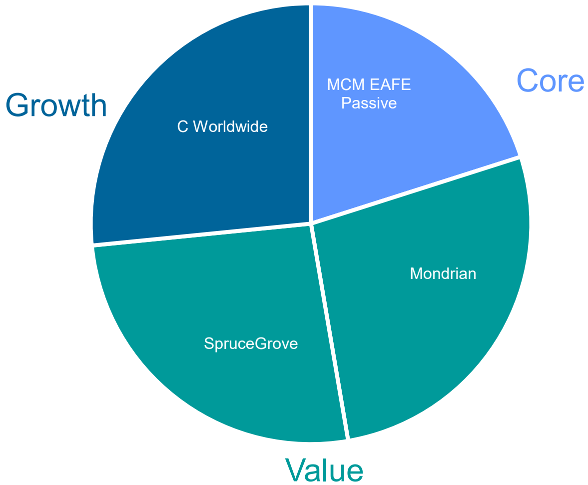


	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	4.37	26.90	9.18	14.42	13.74	12.18
25th Percentile	3.23	23.31	7.27	12.77	12.06	10.55
Median	1.91	18.18	5.22	11.11	10.75	9.37
75th Percentile	(0.06)	13.73	2.91	9.43	9.13	7.91
90th Percentile	(1.76)	9.25	(0.70)	8.16	7.53	6.90
Global Equity ●	(1.31)	10.44	5.21	10.41	10.50	9.22
MSCI ACWI ▲	2.87	19.38	5.43	10.76	10.02	8.43

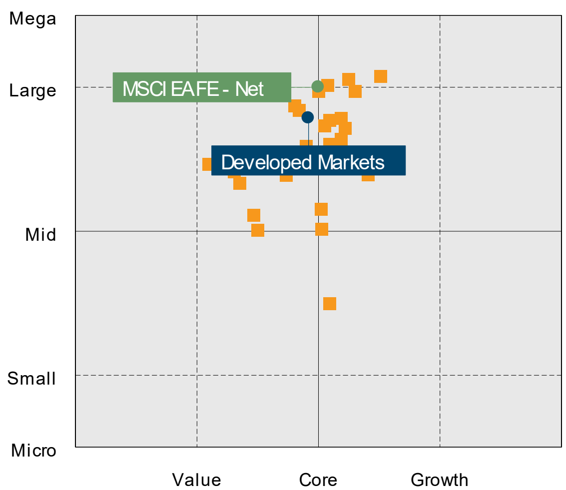
Developed Markets Portfolio vs. Non-US Dev Core Database

Periods ended June 30, 2024

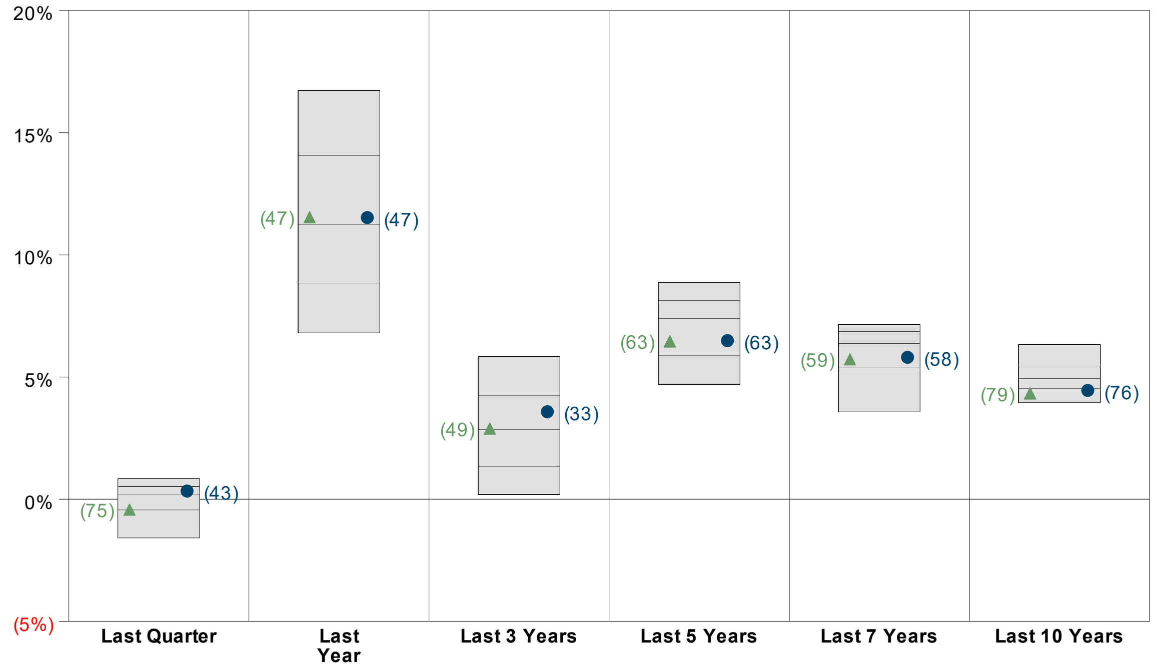
Manager Structure: 80% Active



Style Map vs Callan NonUS Dev Core Eq
Holdings as of June 30, 2024



Performance vs Callan Non-US Developed Core Equity (Gross)

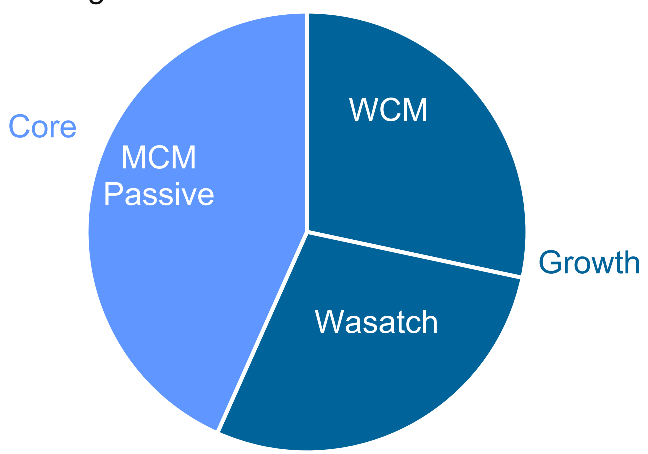


	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	0.84	16.73	5.83	8.88	7.15	6.34
25th Percentile	0.52	14.08	4.23	8.14	6.86	5.42
Median	0.18	11.26	2.85	7.39	6.37	4.93
75th Percentile	(0.44)	8.85	1.32	5.87	5.37	4.52
90th Percentile	(1.58)	6.81	0.19	4.70	3.57	3.95
Developed Markets ●	0.29	11.48	3.54	6.45	5.77	4.42
MSCI EAFE - Net ▲	(0.42)	11.54	2.89	6.46	5.73	4.33

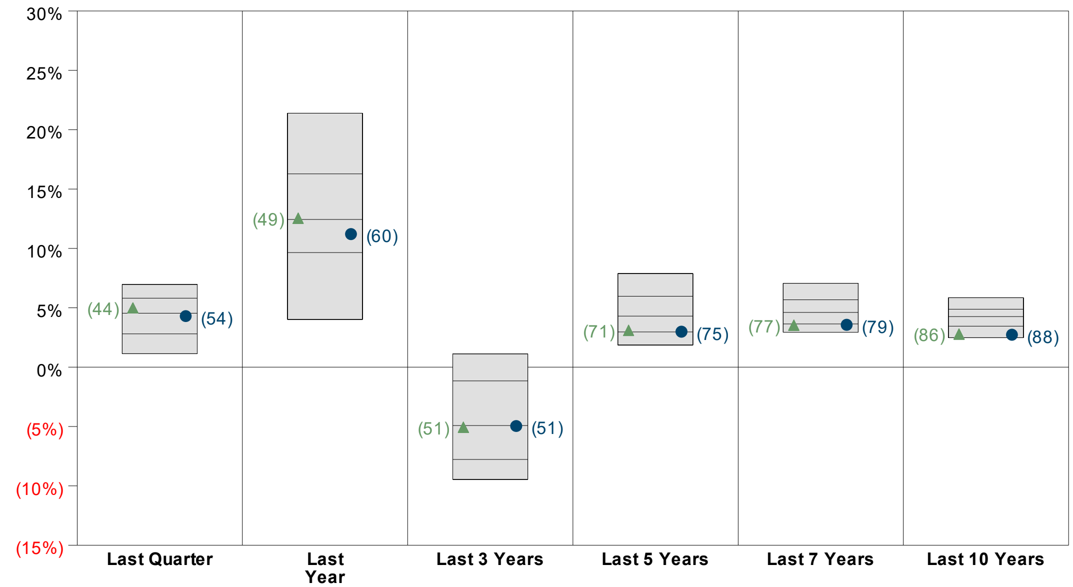
Emerging Markets Portfolio vs. Emerging Broad Database

Periods ended June 30, 2024

Manager Structure: 56% Active

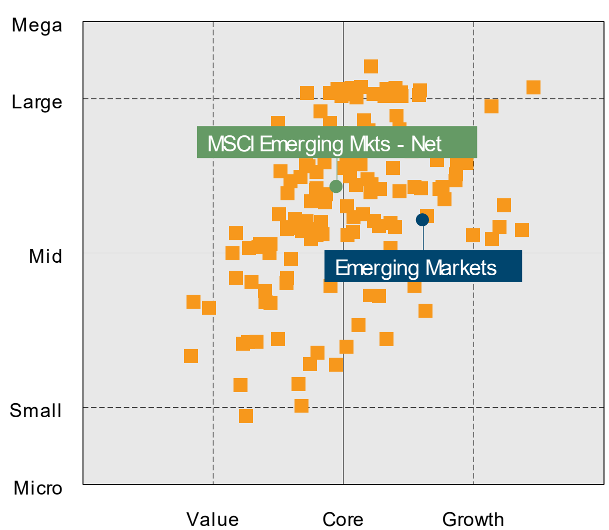


Performance vs Callan Emerging Broad (Gross)



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	6.97	21.39	1.13	7.88	7.07	5.86
25th Percentile	5.81	16.28	(1.16)	5.98	5.67	4.88
Median	4.54	12.44	(4.92)	4.30	4.61	4.26
75th Percentile	2.80	9.66	(7.78)	2.97	3.64	3.46
90th Percentile	1.13	4.01	(9.46)	1.86	2.94	2.47
Emerging Markets ●	4.23	11.14	(5.04)	2.91	3.49	2.65
MSCI Emerging Mkts - Net ▲	5.00	12.55	(5.07)	3.10	3.54	2.79

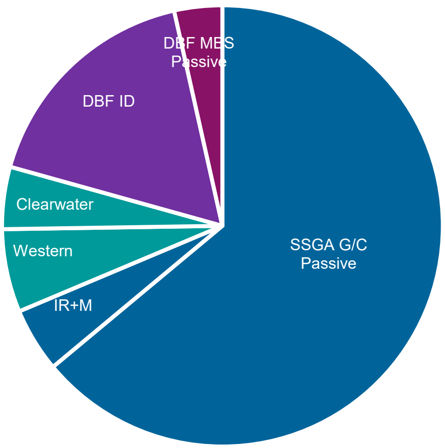
Style Map vs Callan Emerging Broad
Holdings as of June 30, 2024



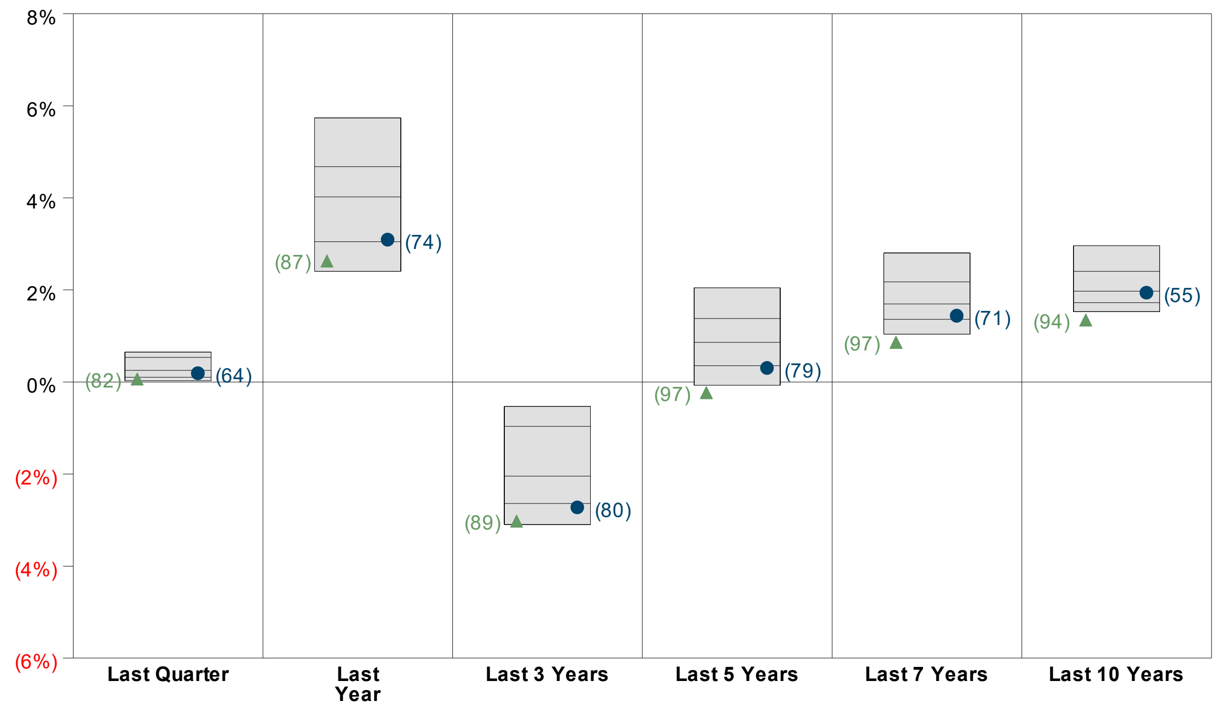
US Fixed Income Portfolio vs. Public Plan Fixed Income Database

Periods ended June 30, 2024

Manager Structure: 33% Active



Performance vs Public Fund - Domestic Fixed (Gross)

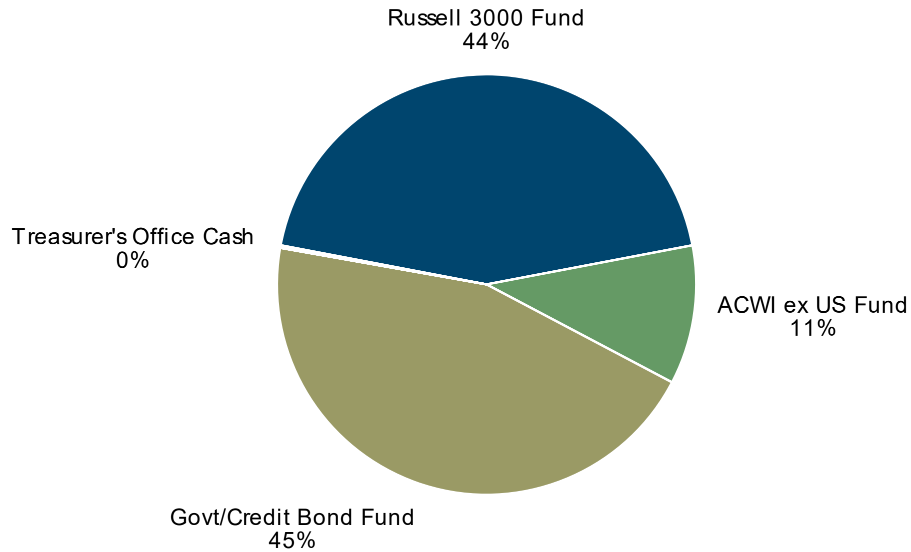


	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years
10th Percentile	0.65	5.74	(0.53)	2.05	2.81	2.96
25th Percentile	0.53	4.68	(0.96)	1.38	2.17	2.40
Median	0.25	4.02	(2.04)	0.86	1.70	1.97
75th Percentile	0.10	3.05	(2.64)	0.35	1.36	1.72
90th Percentile	0.03	2.40	(3.10)	(0.07)	1.04	1.53
US Fixed Income ●	0.17	3.07	(2.75)	0.28	1.42	1.92
Blmbg:Aggregate ▲	0.07	2.63	(3.02)	(0.23)	0.86	1.35

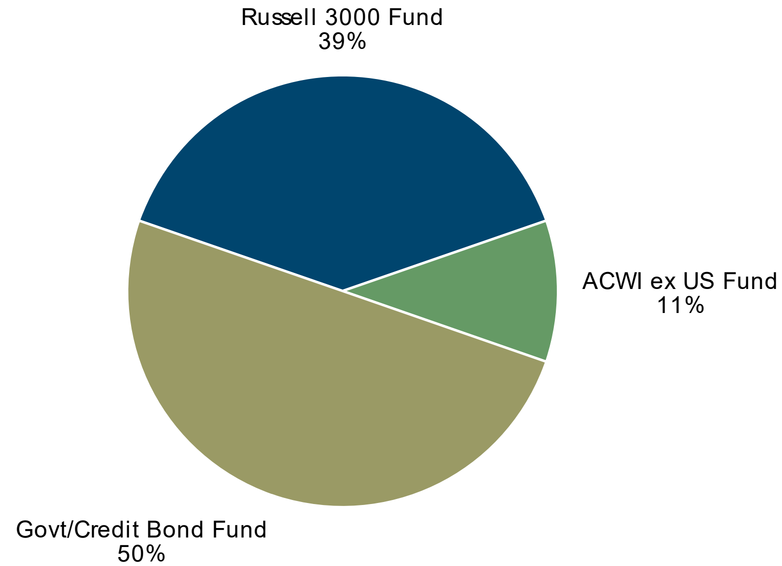
PERSI Sick Leave Funds Asset Allocation vs. Policy Target*

As of June 30, 2024

Actual Asset Allocation



Target Asset Allocation



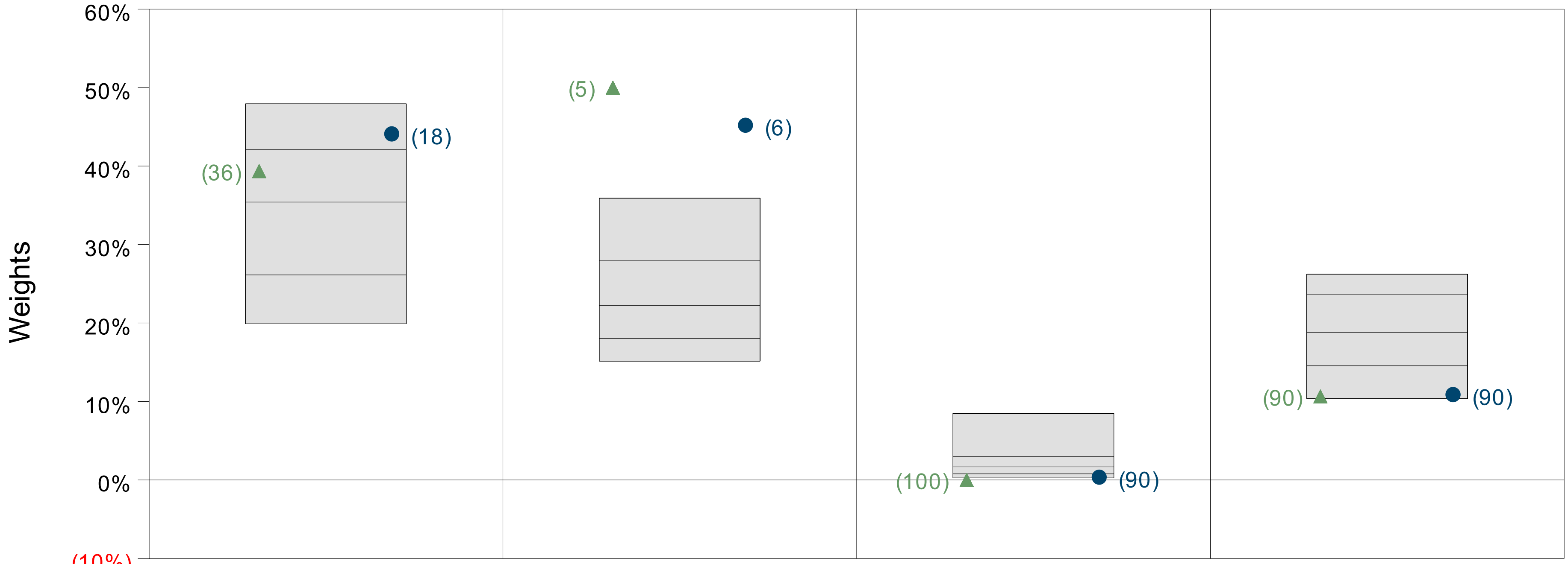
Asset Class	$000s Actual	Weight Actual	Target	Percent Difference	$000s Difference
Russell 3000 Fund	300,695	44.0%	39.4%	4.6%	31,467
ACWI ex US Fund	73,436	10.7%	10.6%	0.1%	656
Govt/Credit Bond Fund	308,354	45.1%	50.0%	(4.9%)	(33,654)
Treasurer's Office Cash	1,531	0.2%	0.0%	0.2%	1,531
Total	684,015	100.0%	100.0%		

* Historical targets:
- Through Nov 2007: 100% Russell 3000
- From Dec 2007 through Aug 2011: 67% Russell 3000 + 33% Bloomberg Gov/Credit.
- From Sep 2011 through Oct 2020: 55% Russell 3000 + 15% MSCI ACWI ex US + 30% Bloomberg Gov/Credit
- Current policy is 50% Equity/50% Fixed Income

PERSI Sick Leave Funds Asset Allocation vs Other Public Funds

Periods ended June 30, 2024

Asset Class Weights vs Callan Public Fund Sponsor Database

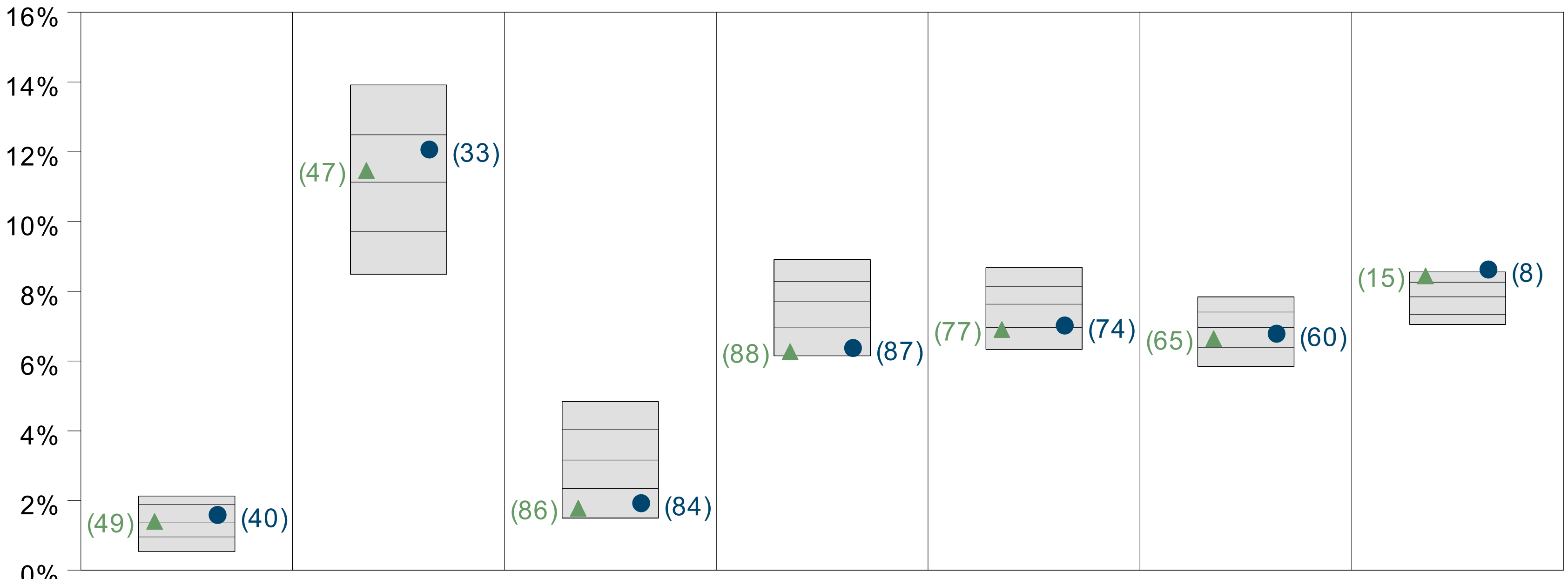


	Russell 3000 Fund	Govt/ Credit Bond Fund	Treasurer's Office Cash	ACWI ex US Fund
10th Percentile	47.92	35.92	8.50	26.21
25th Percentile	42.11	27.99	2.98	23.61
Median	35.40	22.25	1.67	18.77
75th Percentile	26.12	18.04	0.77	14.56
90th Percentile	19.89	15.15	0.25	10.38
Fund ●	43.96	45.08	0.22	10.74
Target ▲	39.36	50.00	0.00	10.64

PERSI Sick Leave Funds Total Return Rankings

Periods ended June 30, 2024

Performance vs Callan Public Fund Sponsor Database (Gross)



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 7 Years	Last 10 Years	Last 21-1/4 Years
10th Percentile	2.13	13.92	4.84	8.90	8.68	7.84	8.56
25th Percentile	1.88	12.48	4.03	8.28	8.14	7.40	8.26
Median	1.38	11.13	3.16	7.70	7.63	6.96	7.84
75th Percentile	0.95	9.71	2.34	6.95	6.96	6.39	7.33
90th Percentile	0.53	8.49	1.50	6.15	6.33	5.85	7.05
Total Sick Leave Funds ●	1.55	12.03	1.89	6.34	6.98	6.75	8.59
Long-Term Target ▲	1.40	11.47	1.78	6.27	6.90	6.64	8.44

PERSI Sick Leave Funds Performance Attribution

2nd Quarter 2024

Relative Attribution Effects for Quarter ended June 30, 2024

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return		Target Return		Manager Effect		Style Allocation	Total Relative Return
Russell 3000 Fund	43%	39%	3.21%		3.22%		(0.00%)		0.07%	0.07%
ACWI ex US Fund	11%	11%	0.97%		0.96%		0.00%		(0.00%)	(0.00%)
Govt/Credit Bond Fund	46%	50%	0.11%		0.05%		0.03%		0.06%	0.08%
Treasurer's Office Cash	0%	0%	1.38%		1.32%		0.00%		(0.00%)	(0.00%)
Total			**1.55%**	**=**	**1.40%**	**+**	**0.03%**	**+**	**0.12%**	**0.15%**

- Sick Leave Funds exceeded the Target by 15 bps during the quarter.
- Passive funds outperformed their benchmarks by 3 bps.
- Variations from target weights gained 12 bps.

PERSI Sick Leave Funds Performance Attribution

12.75 years since September 2011

Twelve and Three-Quarter Year Annualized Relative Attribution Effects

Style Class	Effective Actual Weight	Effective Target Weight	Actual Return		Target Return		Manager Effect		Style Allocation	Total Relative Return
Russell 3000 Fund	53%	51%	14.92%		14.89%		0.02%		0.08%	0.10%
ACWI ex US Fund	13%	14%	6.48%		6.19%		0.04%		(0.01%)	0.03%
Govt/Credit Bond Fund	34%	36%	1.81%		1.77%		0.02%		0.01%	0.03%
Treasurer's Office Cash	0%	0%	1.15%		1.20%		0.00%		(0.00%)	(0.00%)
Total			**8.92%**	**=**	**8.77%**	**+**	**0.08%**	**+**	**0.08%**	**0.15%**

- Sick Leave Funds earned a return of 8.92%, which exceeded the target return of 8.77% by 15 bps.
- Passive funds slightly outperformed, contributing 8 bps of value-added, while rebalancing added another 8 bps.

Callan Update

Published Research Highlights: 2Q24

Quantifying Sequence-of-Returns Risk

Sector-Specialist Strategies and Large LPs' Portfolios

2024 Asset Manager DEI Study

2024 Defined Contribution Trends Survey

Recent Blog Posts

Commercial Real Estate Capital Markets and Institutional Investors

Christine Mays

A Look at How We Did With Our Capital Markets Assumptions

Greg Allen and Julia Moriarty

Is This a Time for Active Managers to Shine?

Tony Lissuzzo

Additional Reading

Active vs. Passive quarterly charts

Capital Markets Review quarterly newsletter

Monthly Updates to the Periodic Table

Market Pulse Flipbook quarterly markets update

Market Intelligence (clients-only)

Real Estate Indicators market outlook

Callan Institute Events

Upcoming conferences, workshops, and webinars

Callan College

Intro to Investments—Learn the Fundamentals

This course is for institutional investors, including trustees and staff members of public plans, corporate plans, and nonprofits. This session familiarizes trustees and staff with basic investment theory, terminology, and practices.

– September 24-26, 2024 – Virtual Session via Zoom

Please visit our website at callan.com/events-education as we add dates to our 2024 calendar!

Mark Your Calendar

2024 Regional Workshops

October 22, 2024 – Denver

October 23, 2024 – Chicago

Watch your email for further details and an invitation.

2025 National Conference

Mark your calendars for this event in Scottsdale on April 27-29, 2025

Our annual conference will feature mainstage speakers and Callan lead workshops on a variety of topics.

This year we welcome Zanny Minton Beddoes to the stage.

Registration for this event will open in January 2025!

Introducing CODE: Callan On-Demand Education

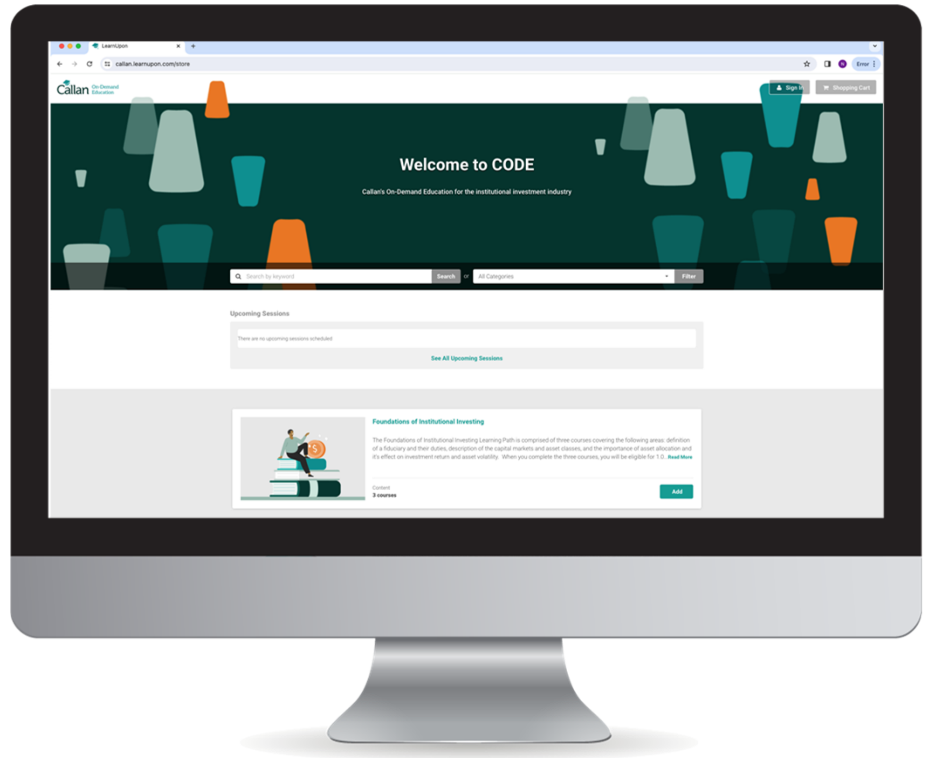
Callan On-Demand Education

- ▶ Variety of educational courses
- ▶ Interactive and engaging
- ▶ Self-guided modules
- ▶ Eligible for continuing education credits
- ▶ Learning at your own pace

CODE courses are designed for investment professionals of all levels—and they're self-guided. Access them anytime, from anywhere, and get continuing education credits for each completed course.

CODE is for you, your colleagues, your new hires, and your interns. It's for anyone interested in learning about institutional investing.

callan.com/code



3 Reasons to Take CODE Courses

1. **Become a better fiduciary**
2. **Showcase your skills and knowledge**
3. **Learn from Callan's investment experts**

Callan Updates

Firm updates by the numbers, as of June 30, 2024

Total Associates: ~200

Company Ownership:
- ▶ 100% employees
- ▶ ~70% of employees are equity owners
- ▶ ~55% of shareholders identify as women or minority

Total General and Investment Consultants: 50+

Total Specialty and Research Consultants: 65+

Total CFA/CAIA/FRMs: 60+

Total Institutional Investor Clients: 475+

Provides advisory services to institutional investor clients with assets over $4+ trillion

OUT NOW: Callan's First Diversity, Equity & Belonging (DEB) Advancement Report

Our inaugural report highlights Callan's commitment to advancing diversity, equity, and belonging (DEB) within the institutional investment community. While we've achieved many milestones in this area since the firm's founding over five decades ago, our recent work is a testament to our steadfast dedication to promoting DEB in all aspects of our business.

"Not only is our DEB initiative critical to Callan's success, but we hope it will ultimately influence our entire industry. Supporting this initiative from the position of CEO is the best way for me to ensure its success. As the executive sponsor, I can make sure our team has the support and resources to effect real change."

— Greg Allen, CEO, Chief Research Officer and the executive sponsor of Callan's DEB program

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Callan's performance measurement service reports estimated returns for a portfolio and compares them against relevant benchmarks and peer groups, as appropriate; such service may also report on historical portfolio holdings, comparing them to holdings of relevant benchmarks and peer groups, as appropriate ("portfolio holdings analysis"). To the extent that Callan's reports include a portfolio holdings analysis, Callan relies entirely on holdings, pricing, characteristics, and risk data provided by third parties including custodian banks, record keepers, pricing services, index providers, and investment managers. Callan reports the performance and holdings data as received and does not attempt to audit or verify the holdings data. Callan is not responsible for the accuracy or completeness of the performance or holdings data received from third parties and such data may not have been verified for accuracy or completeness.

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Any decision made on the basis of this document is sole responsibility of the client, as the intended recipient, and it is incumbent upon the client to make an independent determination of the suitability and consequences of such a decision.

Callan undertakes no obligation to update the information contained herein except as specifically requested by the client.

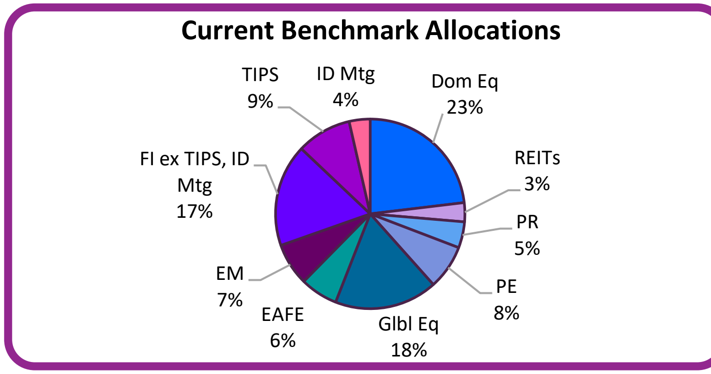
Past performance is no guarantee of future results.

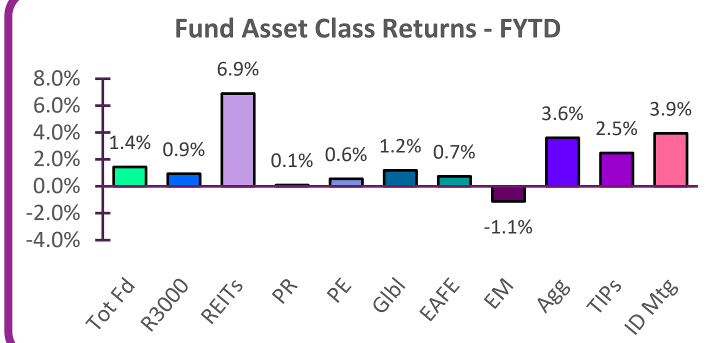
PERSI Investment Report

August 13, 2024

Current Value of the Fund	24,204,145,871
Previous Day Market Value	24,001,882,318
One Day Change in NAV	202,263,552

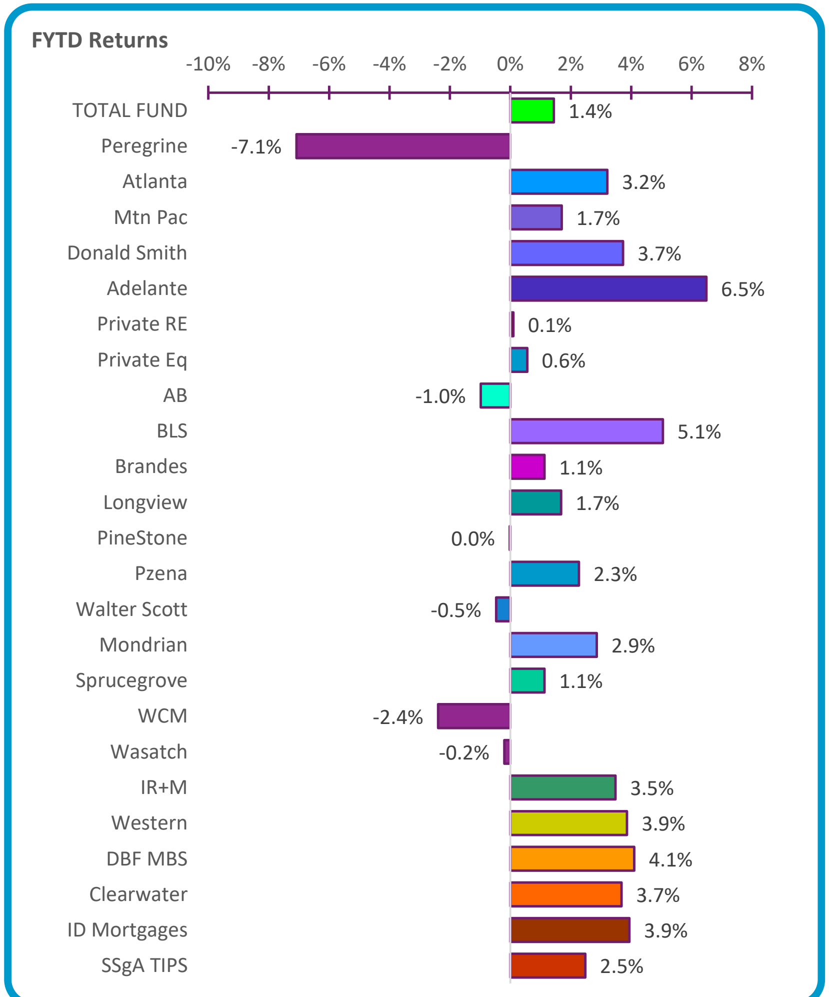
MTD Return		FYTD Return		Five-year Return	
Total Fund	-0.7%	Total Fund	1.4%	Total Fund	7.9%
55-15-30	-1.1%	55-15-30	1.0%	55-15-30	9.1%
U.S. Equity	-1.4%	U.S. Equity	0.8%	U.S. Equity	11.9%
R3000	-2.0%	R3000	-0.2%	R3000	14.2%
Global Equity	-1.9%	Global Equity	1.2%	Global Equity	11.4%
MSCI World	-1.9%	MSCI World	-0.2%	MSCI World	12.7%
Int'l Equity	-1.0%	Int'l Equity	-0.3%	Int'l Equity	5.7%
MSCI EAFE	-2.9%	MSCI EAFE	0.0%	MSCI EAFE	8.0%
Fixed Income	1.2%	Fixed Income	3.3%	Fixed Income	1.1%
Aggregate	1.3%	Aggregate	3.7%	Aggregate	0.1%

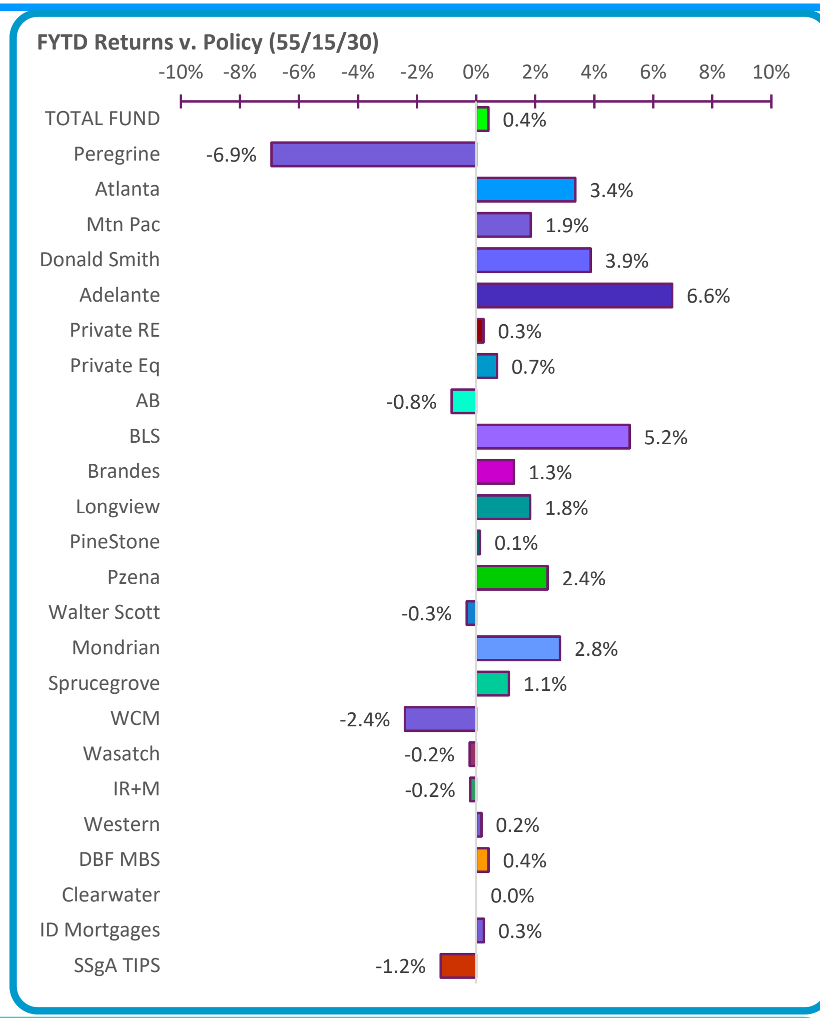


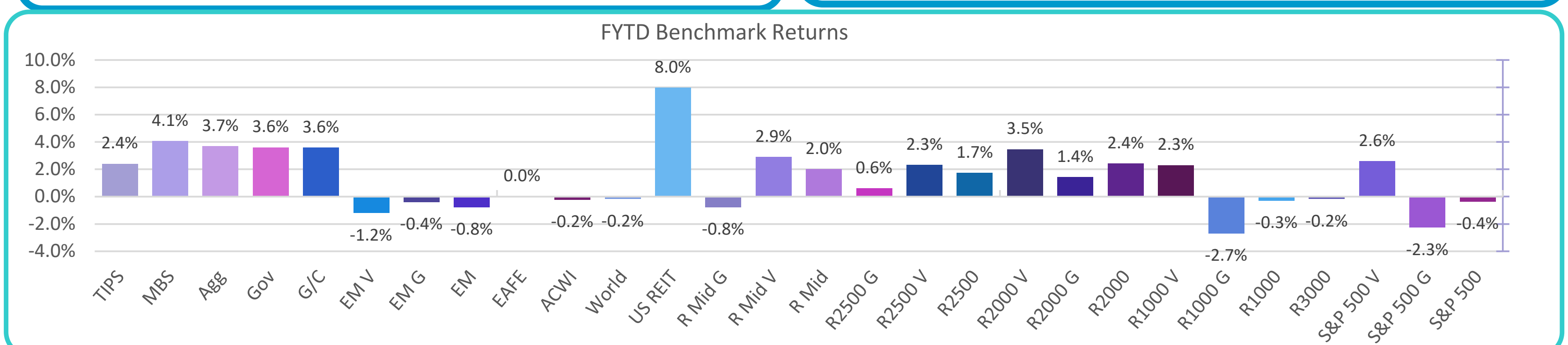


For the FYTD, the Total Fund is up +1.4% at $24 billion, outperforming the broad (55/15/30) policy benchmark by 40 basis points. The sick leave funds are +1.6% at $692 million. US equities (R000) are down -0.2%, global equities (MSCI World) are down -0.2%, international developed markets (MSCI EAFE) are flat, and investment grade bonds are up +3.7%. REITs (DJ US Select) are up +7.6%, emerging markets (MSCI EM) are down -0.8%, and TIPS are up +2.4%. Private real estate is up +0.1% and private equity is up +0.6%.

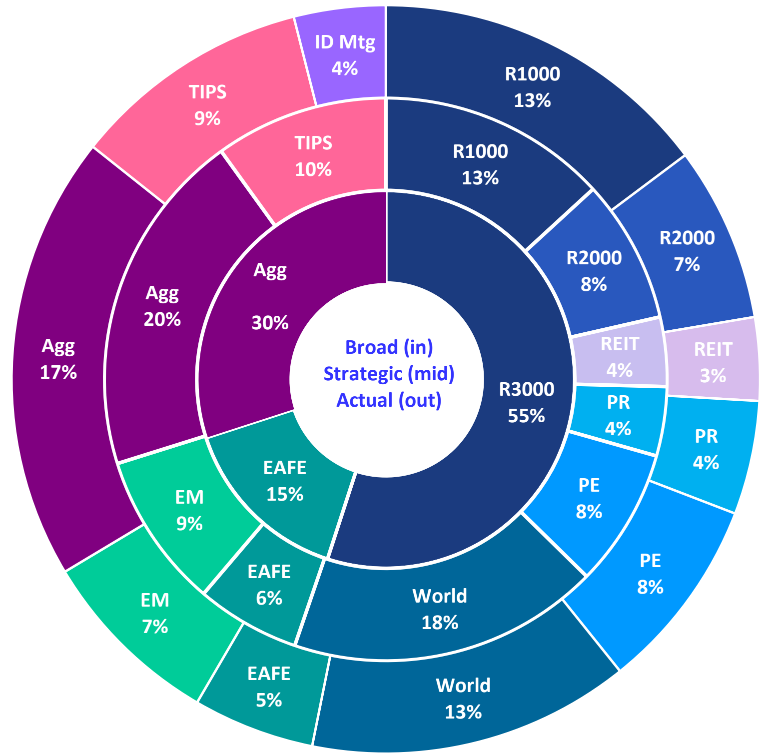
Adelante has the best absolute and relative returns while Peregrine has the worst. REITs, private equity, private real estate, global equity, non-US developed markets, and Idaho Commercial Mortgages are adding value while our emerging markets and TIPS exposures are detracting from performance.


FYTD Returns
-10% -8% -6% -4% -2% 0% 2% 4% 6% 8%
TOTAL FUND 1.4%
Peregrine -7.1%
Atlanta 3.2%
Mtn Pac 1.7%
Donald Smith 3.7%
Adelante 6.5%
Private RE 0.1%
Private Eq 0.6%
AB -1.0%
BLS 5.1%
Brandes 1.1%
Longview 1.7%
PineStone 0.0%
Pzena 2.3%
Walter Scott -0.5%
Mondrian 2.9%
Sprucegrove 1.1%
WCM -2.4%
Wasatch -0.2%
IR+M 3.5%
Western 3.9%
DBF MBS 4.1%
Clearwater 3.7%
ID Mortgages 3.9%
SSgA TIPS 2.5%


FYTD Returns v. Policy (55/15/30)
-10% -8% -6% -4% -2% 0% 2% 4% 6% 8% 10%
TOTAL FUND 0.4%
Peregrine -6.9%
Atlanta 3.4%
Mtn Pac 1.9%
Donald Smith 3.9%
Adelante 6.6%
Private RE 0.3%
Private Eq 0.7%
AB -0.8%
BLS 5.2%
Brandes 1.3%
Longview 1.8%
PineStone 0.1%
Pzena 2.4%
Walter Scott -0.3%
Mondrian 2.8%
Sprucegrove 1.1%
WCM -2.4%
Wasatch -0.2%
IR+M -0.2%
Western 0.2%
DBF MBS 0.4%
Clearwater 0.0%
ID Mortgages 0.3%
SSgA TIPS -1.2%


FYTD Benchmark Returns
10.0% 8.0% 6.0% 4.0% 2.0% 0.0% -2.0% -4.0%
TIPS 2.4%
MBS 4.1%
Agg 3.7%
Gov 3.6%
G/C 3.6%
EM V -1.2%
EM G -0.4%
EM -0.8%
EAFE 0.0%
ACWI -0.2%
World -0.2%
US REIT 8.0%
R Mid G -0.8%
R Mid V 2.9%
R Mid 2.0%
R2500 G 0.6%
R2500 V 2.3%
R2500 1.7%
R2000 V 3.5%
R2000 G 1.4%
R2000 2.4%
R1000 V 2.3%
R1000 G -2.7%
R1000 -0.3%
R3000 -0.2%
S&P 500 V 2.6%
S&P 500 G -2.3%
S&P 500 -0.4%

	FYTD		Mkt Value	Allocation %	
TOTAL FUND	**1.4%**	**$**	**24,204,145,871**	100%	
U.S. EQUITY	**0.8%**	**$**	**9,292,516,595**	**38.4%**	56%
Mellon R1000	-0.3%	$	2,593,410,347	10.7%	
Peregrine	-7.1%	$	640,008,040	2.6%	
Mellon R2000	2.3%	$	129,348,678	0.5%	
Atlanta	3.2%	$	702,969,334	2.9%	
Mtn Pac	1.7%	$	726,876,948	3.0%	
Donald Smith	3.7%	$	799,019,727	3.3%	
Adelante	6.5%	$	483,528,764	2.0%	
MCM REIT	7.6%	$	302,698,831	1.3%	
Private RE	0.1%	$	1,076,458,249	4.4%	
Private Eq	0.6%	$	1,838,194,680	7.6%	
GLOBAL EQUITY	**1.2%**	**$**	**4,251,366,349**	**17.6%**	
AB	-1.0%	$	610,128,902	2.5%	
BLS	5.1%	$	604,856,467	2.5%	
Brandes	1.1%	$	619,962,908	2.6%	
Longview	1.7%	$	616,521,984	2.5%	
PineStone	0.0%	$	604,211,485	2.5%	
Pzena	2.3%	$	598,941,987	2.5%	
Walter Scott	-0.5%	$	593,504,339	2.5%	
INT EQUITY	**-0.3%**	**$**	**3,305,876,155**	**13.7%**	14%
Mellon EAFE	0.1%	$	309,758,382	1.3%	
C Worldwide	-1.3%	$	405,495,401	1.7%	
Mondrian	2.9%	$	432,063,853	1.8%	
Sprucegrove	1.1%	$	409,070,635	1.7%	
Mellon EM	-0.9%	$	759,568,941	3.1%	
WCM	-2.4%	$	490,000,000	2.0%	
Wasatch	-0.2%	$	499,780,471	2.1%	



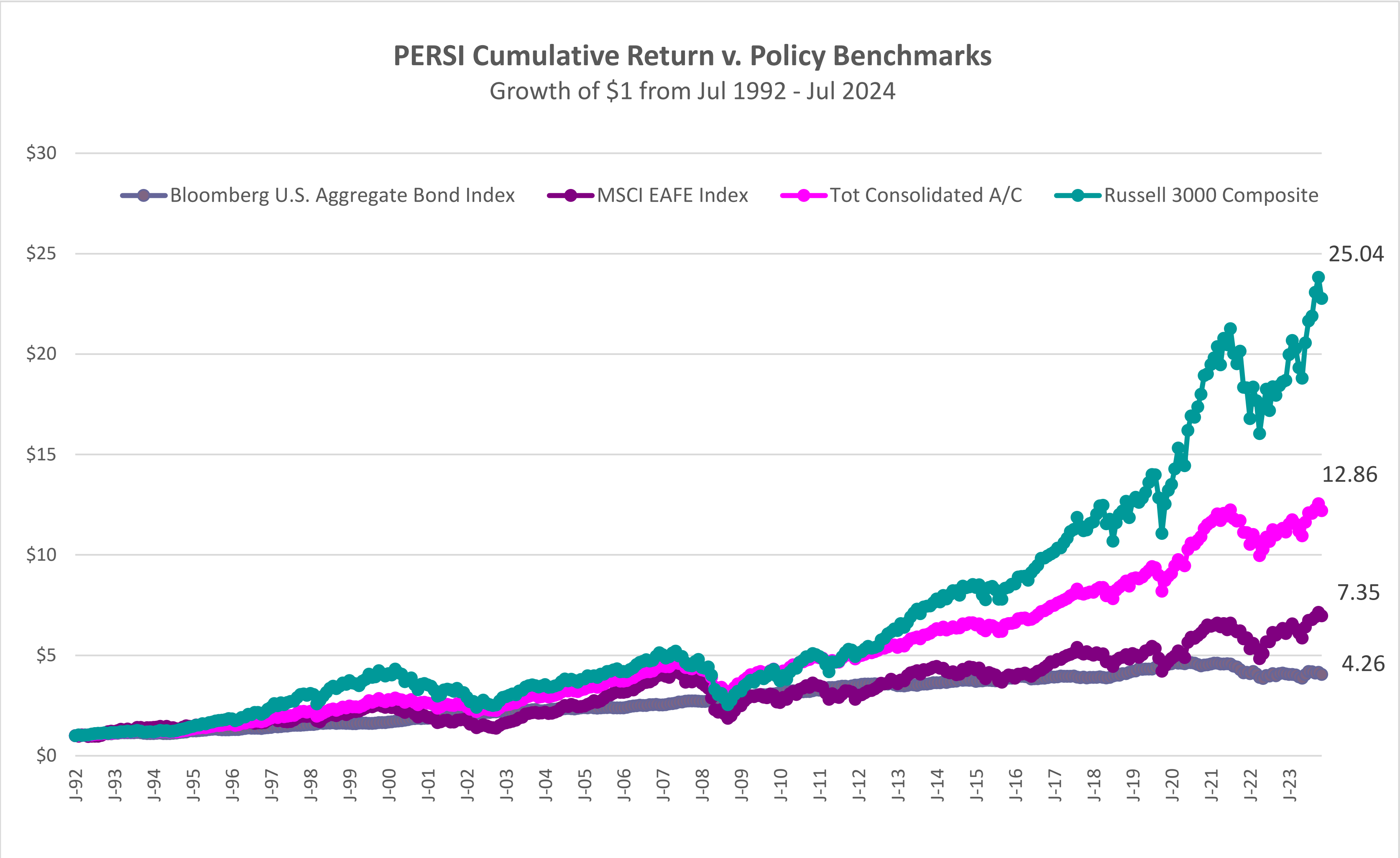
	FYTD		Mkt Value	Allocation %	
FIXED INCOME	**3.3%**	**$**	**7,255,432,383**	**30.0%**	30%
SSgA G/C	3.5%	$	3,188,193,597	13.2%	
IR+M	3.9%	$	233,606,963	1.0%	
Western	4.1%	$	305,390,329	1.3%	
DBF MBS	3.7%	$	166,877,797	0.7%	
Clearwater	3.9%	$	227,176,958	0.9%	
ID Mortgages	0.8%	$	866,535,389	3.6%	
SSgA TIPS	2.5%	$	2,267,651,349	9.4%	
Cash & Other	0.8%	**$**	**98,954,389**	**0.4%**	

PERSI Total Fund Returns

August 13, 2024

		MTD	FYTD	1 Yr	2 Yr	3 Yr	4 Yr	5 Yr	7 Yr	10 Yr	15 Yr	20 Yr
TOTAL FUND		-0.7%	1.4%	11.0%	6.8%	2.4%	7.3%	7.9%	7.8%	7.3%	8.3%	7.7%
Broad Policy (55/15/30)		-1.1%	1.0%	16.4%	9.6%	3.5%	8.2%	9.1%	8.6%	8.0%	9.3%	7.7%
US Public Equity (US+REIT)		-2.2%	0.9%	21.7%	12.9%	5.7%	12.3%	12.6%	12.4%	11.6%	13.3%	10.6%
US Equity (US+RE+PE)		-1.4%	0.8%	13.3%	7.7%	5.8%	12.2%	11.9%	12.0%	11.3%	12.0%	10.0%
US/Glbl Equity (US+RE+PE+Glbl)		-1.6%	0.9%	12.7%	8.9%	5.3%	12.0%	11.7%	11.6%	10.8%	11.5%	9.6%
US/Glbl ex RE/PE		-2.4%	0.6%	17.4%	13.3%	5.4%	12.1%	12.8%	12.2%	11.2%	12.2%	9.9%
R 3000		-2.0%	-0.2%	22.2%	13.2%	6.9%	13.6%	14.2%	13.4%	12.2%	13.7%	10.6%
LARGE CAP												
S&P 500		-1.6%	-0.4%	23.6%	14.5%	8.4%	14.4%	15.0%	14.1%	12.9%	14.0%	10.6%
Mellon R1000	07/1988	-1.7%	-0.3%	22.8%	13.8%	7.3%	13.8%	14.5%	13.7%	12.5%	13.9%	10.8%
R 1000		-1.7%	-0.3%	22.9%	13.8%	7.3%	13.9%	14.6%	13.8%	12.6%	13.9%	10.7%
Peregrine	10/2004	-1.8%	-7.1%	9.7%	7.8%	-4.8%	1.0%	8.7%	12.9%	14.1%	14.2%	
R 1000 Growth		-1.0%	-2.7%	30.9%	18.8%	8.7%	14.7%	18.4%	17.9%	16.1%	16.4%	
SMALL/MID CAP												
Mellon R2000	10/1999	-7.0%	2.3%	10.2%	3.6%	-0.5%	8.8%	8.3%	7.7%	7.8%	10.6%	8.7%
R 2000		-7.0%	2.4%	10.5%	3.5%	-0.6%	8.7%	8.2%	7.7%	7.7%	10.5%	8.7%
Atlanta	04/2024	-2.5%	3.2%									
Mtn Pac	03/1987	-3.5%	1.7%	19.7%	10.4%	3.7%	11.2%	11.7%	11.9%	11.9%	14.0%	11.5%
R 2500		-5.3%	1.7%	10.7%	4.6%	0.7%	9.9%	9.2%	9.0%	8.5%	11.5%	9.6%
Donald Smith	06/2004	-5.5%	3.7%	36.9%	33.1%	24.8%	28.6%	21.1%	15.7%	12.1%	14.1%	12.1%
R 3000		-2.0%	-0.2%	22.2%	13.2%	6.9%	13.6%	14.2%	13.4%	12.2%	13.7%	10.6%
REITS												
Mellon REIT	01/2013	1.6%	7.6%	14.8%	1.2%	0.6%	9.8%	3.7%	5.3%	5.7%		
DJ US Select REIT		1.6%	7.6%	14.8%	1.2%	0.5%	9.8%	3.7%	5.3%	5.7%		
Adelante	02/1991	1.9%	6.5%	14.7%	1.6%	1.2%	9.7%	5.8%	7.6%	8.1%	12.2%	8.8%
MSCI US REIT Index		1.6%	8.0%	15.6%	1.8%	1.1%	9.6%	4.9%	6.2%	6.4%	10.5%	8.1%
PRIVATE EQUITY		0.4%	0.6%	4.7%	3.4%	10.7%	19.4%	14.7%	15.0%	12.3%	13.5%	12.3%
PRIVATE REAL ESTATE		0.2%	0.1%	-9.4%	2.8%	3.0%	4.8%	5.6%	4.1%	6.2%		
R 3000		-2.0%	-0.2%	22.2%	13.2%	6.9%	13.6%	14.2%	13.4%	12.2%	13.7%	10.6%
GLOBAL EQUITY (MSCI ACWI)		-1.9%	1.2%	11.7%	11.2%	4.2%	11.6%	11.4%	10.6%	9.6%	10.2%	8.8%
R 3000		-2.0%	-0.2%	22.2%	13.2%	6.9%	13.6%	14.2%	13.4%	12.2%	13.7%	10.6%
AB	06/2004	-3.9%	-1.0%	12.4%	10.4%	1.8%	10.3%	8.6%	5.3%	5.6%	7.1%	5.8%
BLS	04/2017	0.9%	5.1%	1.6%	6.9%	1.8%	9.7%	10.7%	11.9%			
Brandes	06/1996	-3.0%	1.1%	18.2%	17.1%	9.0%	16.3%	13.3%	9.5%	7.8%	9.3%	7.3%
Longview	06/2011	-1.2%	1.7%	14.0%	11.5%	6.5%	13.1%	11.2%	10.3%	10.3%		
PineStone	04/2017	-1.1%	0.0%	19.8%	14.1%	5.7%	13.0%	14.1%	14.1%			
Pzena	04/2024	-3.8%	2.3%									
Walter Scott	04/2017	-1.1%	-0.5%	14.7%	12.6%	3.6%	10.4%	11.6%	12.4%			
MSCI World		-1.9%	-0.2%	20.1%	13.5%	6.0%	12.2%	12.7%	11.2%	9.9%	10.9%	9.1%
MSCI ACWI		-1.8%	-0.2%	19.1%	12.6%	5.0%	11.1%	11.8%	10.3%	9.1%	10.1%	

		MTD	FYTD	1 Yr	2 Yr	3 Yr	4 Yr	5 Yr	7 Yr	10 Yr	15 Yr	20 Yr
INT'L EQUITY		-1.0%	-0.3%	10.5%	8.6%	-0.8%	4.9%	5.7%	4.0%	3.5%	5.2%	6.5%
MSCI EAFE		-2.9%	0.0%	12.0%	12.1%	2.3%	8.1%	8.0%	6.0%	5.2%	6.4%	6.4%
MSCI EAFE Net Div		-2.9%	0.0%	11.5%	11.5%	1.8%	7.6%	7.5%	5.4%	4.7%	5.9%	5.9%
INT'L - Developed Mkts		-2.6%	0.7%	12.2%	12.3%	2.9%	8.6%	7.8%	5.6%			
Mellon EAFE	08/1995	-2.7%	0.1%	12.1%	12.0%	2.2%	8.0%	7.9%	5.9%	5.1%	6.3%	6.2%
C Worldwide	04/2024	-1.7%	-1.3%									
Mondrian	06/2004	-2.8%	2.9%	14.5%	13.7%	4.7%	9.9%	8.0%	5.4%	4.7%	6.3%	6.6%
Sprucegrove	04/2024	-3.1%	1.1%									
INT'L - Emerging Mkts		0.5%	-1.1%	9.2%	5.8%	-3.6%	2.2%	4.1%	2.8%	2.4%	4.3%	7.8%
Mellon EM	01/2013	-1.1%	-0.9%	9.2%	4.9%	-3.7%	1.7%	4.6%	2.9%	2.5%		
WCM	06/2024	1.1%	-2.4%									
Wasatch	06/2024	2.3%	-0.2%									
MSCI EM		-1.1%	-0.8%	10.5%	5.7%	-2.8%	2.3%	5.0%	3.3%	2.8%	4.4%	7.7%
FIXED INCOME		1.2%	3.3%	7.6%	1.6%	-1.8%	-0.8%	1.1%	2.1%	2.2%	3.4%	3.8%
B Aggregate		1.3%	3.7%	7.9%	1.8%	-2.1%	-1.7%	0.1%	1.3%	1.7%	2.6%	3.2%
SSgA G/C	11/1988	1.3%	3.6%	7.8%	2.1%	-2.3%	-1.8%	0.3%	1.5%	1.9%	2.9%	3.4%
B Gov/Credit		1.3%	3.6%	7.9%	2.1%	-2.3%	-1.8%	0.2%	1.4%	1.8%	2.8%	3.3%
DBF MBS	10/1989	1.4%	4.1%	8.6%	1.5%	-1.4%	-1.1%	0.1%	0.9%	1.3%	2.0%	2.9%
B MBS		1.4%	4.1%	8.1%	1.2%	-1.8%	-1.4%	-0.1%	0.8%	1.3%	2.1%	3.0%
ID Mortgages	07/1988	1.7%	3.9%	9.5%	3.4%	-0.1%	-0.1%	1.9%	3.0%	3.4%	4.1%	4.9%
SSgA TIPS	11/1999	0.7%	2.5%	6.2%	0.3%	-1.6%	0.4%	2.1%	2.6%	2.1%	4.0%	4.1%
B US TIPS		0.6%	2.4%	6.2%	0.4%	-1.3%	0.6%	2.2%	2.6%	2.1%	3.3%	
IR+M	04/2017	1.2%	3.5%	8.3%	2.7%	-1.9%	-1.3%	0.8%	2.0%			
Western	12/2004	1.6%	3.9%	7.7%	1.7%	-3.8%	-2.4%	-0.1%	1.3%	2.3%	4.4%	
Clearwater	07/2002	1.3%	3.7%	8.5%	2.5%	-1.9%	-1.3%	0.5%	1.6%	2.0%	2.5%	3.2%
B Aggregate		1.3%	3.7%	7.9%	1.8%	-2.1%	-1.7%	0.1%	1.3%	1.7%	2.6%	3.2%


PERSI Cumulative Return v. Policy Benchmarks
Growth of $1 from Jul 1992 - Jul 2024
$30
$25
$20
$15
$10
$5
$0
Bloomberg U.S. Aggregate Bond Index
MSCI EAFE Index
Tot Consolidated A/C
Russell 3000 Composite
25.04
12.86
7.35
4.26
J-92
J-93
J-94
J-95
J-96
J-97
J-98
J-99
J-00
J-01
J-02
J-03
J-04
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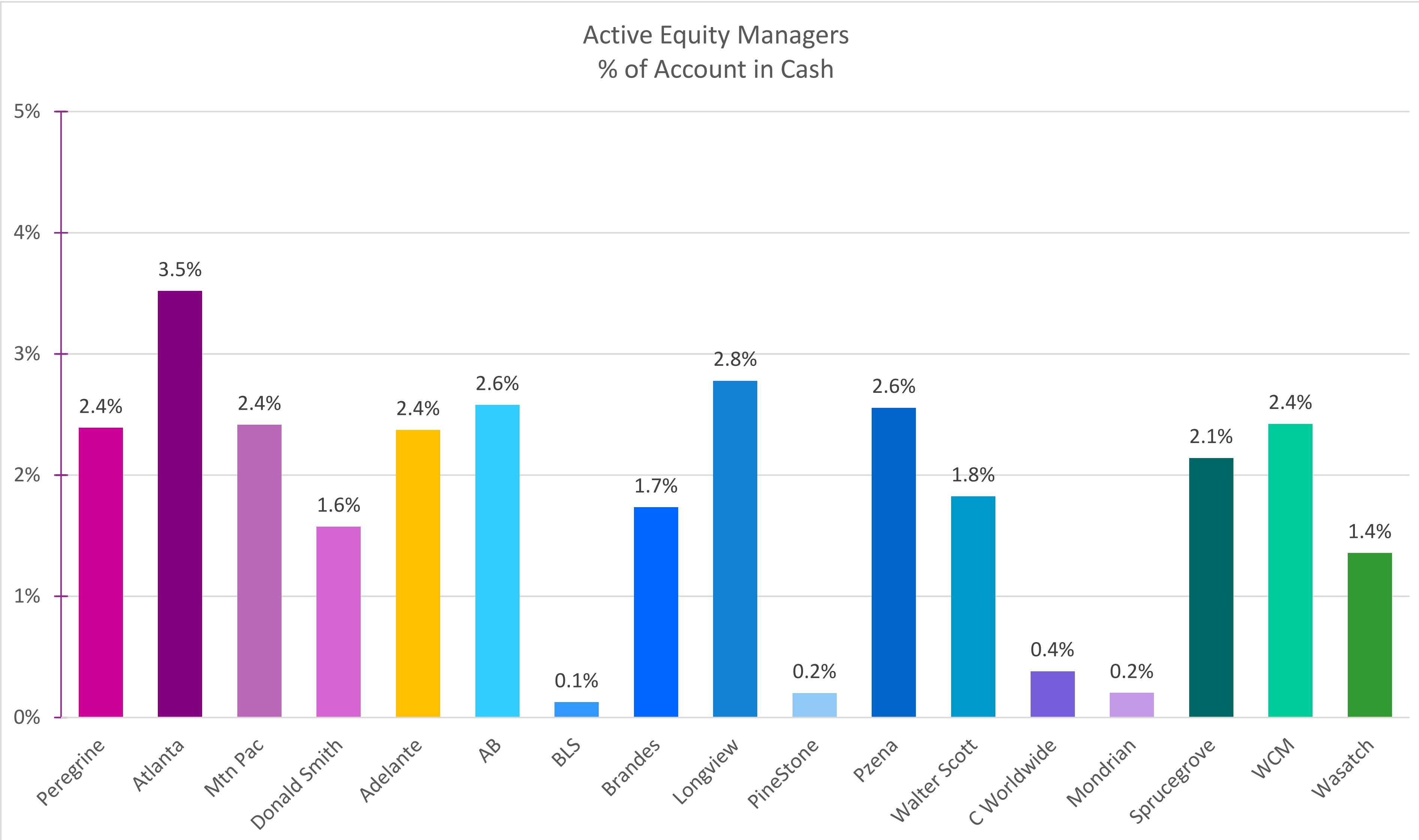

as of date: 8/13/2024

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Total Fund Summary — Jul 2024

Preliminary Performance Summary

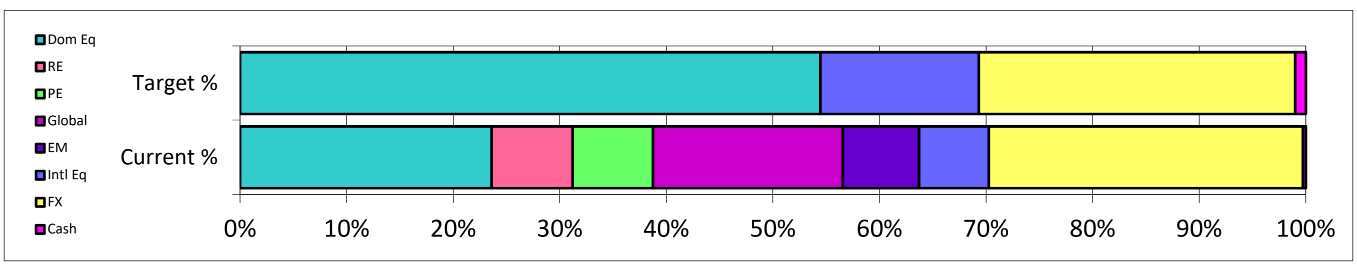
blue = outperform by 50 bp; **red** = underperform by 50 bp *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total Fund	**2.1%**	**5.4%**	**9.4%**	**3.0%**	**7.8%**
Strategic Policy ☆	2.3%	6.7%	10.7%	3.2%	7.7%
Policy *(55-15-30)*	2.2%	7.8%	14.9%	4.3%	9.1%
Total Domestic Equity *(Russell 3000)*	**2.5%**	**6.2%**	**12.1%**	**6.5%**	**11.7%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
U.S. Equity *(Russell 3000)*	**3.2%**	**9.3%**	**21.1%**	**6.8%**	**12.8%**
Real Estate *(NCREIF)*	**2.0%**	**2.6%**	**-4.1%**	**2.3%**	**5.1%**
Private Equity *(Russell 3000*1.35)*	**0.1%**	**2.4%**	**4.6%**	**11.4%**	**14.6%**
Global Equity *(Russell 3000)*	**3.2%**	**6.2%**	**11.8%**	**5.4%**	**11.1%**
Total International Equity *(MSCI EAFE)*	**0.7%**	**3.6%**	**7.0%**	**-0.1%**	**4.8%**
MSCI EAFE	2.9%	5.4%	11.8%	4.2%	7.9%
Total Fixed Income *(BB Aggregate)*	**2.1%**	**4.8%**	**5.1%**	**-2.2%**	**1.2%**
Bloomberg Aggregate	2.3%	5.1%	5.1%	-2.6%	0.2%

Asset Allocation

blue = over allowable target range; **red** = under allowable target range

		Month-End MV	Current %	Target %
U.S. Equity	$ 5,748		23.6 %	
Real Estate	$ 1,856		7.6 %	
Private Equity	$ 1,834		7.5 %	
Global Equity	$ 4,334		17.8 %	
Total Domestic Equity		$ 13,772	56.6 %	55.0%
Emerging Markets Equity	$ 1,741		7.1 %	
Total International Equity		$ 3,338	13.7 %	15.0%
Total Fixed Income		$ 7,173	29.5 %	29.0%
Cash		$ 67	0.3 %	1.0%
Total Fund		$ 24,351	100.0 %	100.0%



Performance Commentary:

During the month, the Total Fund underperformed the Strategic and Broad Policy benchmarks by 20 and 10 basis points, respectively. Over the last five-year period, the Total Fund outperformed the Strategic Policy benchmark by 10 basis points and underperformed the Broad Policy benchmark by 130 basis points.

☆ Strategic Policy Benchmark = 8% R2500, 14% S&P500, 4% REIT, 4% PRE, 8% PE, 9% EM, 8% EAFE, 15% World, 15% Agg, 5% ID Mtg, 10% TIPS

Total Fund
Month-End Performance *Jul 2024*

Manager *(Style Benchmark)* **blue** = outperform by 50 bp; **red** = underperform by 50 bp *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total Fund	**2.1%**	**5.4%**	**9.4%**	**3.0%**	**7.8%**
Strategic Policy	2.3%	6.7%	10.7%	3.2%	7.7%
Policy *(55-15-30)*	2.2%	7.8%	14.9%	4.3%	9.1%
Total Domestic Equity *(Russell 3000)*	**2.5%**	**6.2%**	**12.1%**	**6.5%**	**11.7%**
(Includes U.S. Eq, Glbl Eq, RE, PE)					
U.S. Equity ex RE, PE ***(Russell 3000)***	**3.2%**	**9.3%**	**21.1%**	**6.8%**	**12.8%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
MCM Index Fund *(Russell 3000)*	1.8%	9.9%	22.3%	8.5%	14.4%
MCM Russell 1000 *(Russell 1000)*	1.4%	9.6%	21.4%	8.5%	14.5%
Russell 1000	1.5%	9.8%	21.5%	8.5%	14.6%
S&P 500 Index	1.2%	10.1%	22.2%	9.6%	15.0%
MCM Russell 2000 *(Russell 2000)*	10.0%	14.5%	14.0%	1.9%	9.0%
Russell 2000	10.2%	14.6%	12.1%	1.9%	8.9%
Donald Smith & Co. *(Russell 3000)*	9.7%	15.1%	42.1%	28.3%	22.0%
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
Peregrine *(Russell 1000 Growth)*	-5.4%	-3.0%	5.5%	-4.5%	8.9%
Russell 1000 Growth	-1.7%	11.2%	26.9%	9.5%	18.4%
Atlanta Capital *(Russell 2500)*	5.8%	n/a	n/a	n/a	n/a
Mountain Pacific *(Russell 2500)*	5.4%	9.2%	23.3%	5.4%	12.1%
Russell 2500	7.4%	10.2%	13.1%	2.7%	9.7%
Global Equity *(Russell 3000)*	**3.2%**	**6.2%**	**11.8%**	**5.4%**	**11.1%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
Wilshire 5000	1.8%	10.0%	21.1%	7.9%	14.1%
MSCI World	1.8%	8.6%	18.9%	7.4%	12.6%
MSCI World net div	1.8%	8.5%	18.3%	6.9%	12.1%
MSCI AC World	1.6%	8.2%	17.6%	6.3%	11.6%
BLS *(MSCI ACWI)*	4.1%	3.5%	-1.5%	1.9%	9.4%
Bernstein *(MSCI ACWI)*	3.0%	7.7%	13.2%	4.0%	8.6%
Brandes *(Russell 3000)*	4.2%	5.8%	20.8%	11.1%	13.0%
Longview *(MSCI ACWI)*	2.9%	6.8%	14.4%	7.0%	10.7%
PineStone *(MSCI World)*	1.1%	7.8%	18.6%	6.7%	13.9%
Pzena *(MSCI ACWI)*	6.3%	n/a	n/a	n/a	n/a
Walter Scott *(MSCI World net div)*	0.7%	5.5%	13.7%	4.6%	11.5%
Private Equity *(Russell 3000)*	**0.1%**	**2.4%**	**4.6%**	**11.4%**	**14.6%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%

Total Fund
Month-End Performance *Jul 2024*

Manager *(Style Benchmark)* — **blue** = outperform by 50 bp; **red** = underperform by 50 bp — *(* Annualized)*

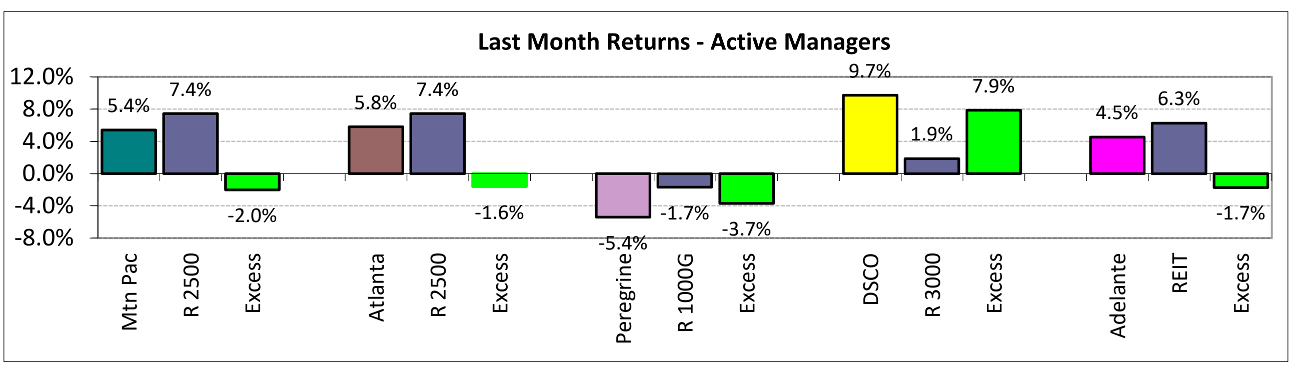
	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Real Estate *(NCREIF)*	**2.0%**	**2.6%**	**-4.1%**	**2.3%**	**5.1%**
MCM REIT *(DJ US Select REIT)*	5.8%	14.0%	10.3%	0.1%	3.6%
Dow Jones U.S. Select REIT	5.9%	14.0%	10.3%	0.0%	3.6%
Adelante REITs *(Wilshire REIT)*	4.5%	13.3%	10.5%	0.5%	5.8%
Wilshire REIT	5.5%	14.1%	11.1%	0.4%	4.8%
Prudential *(NCREIF)*	-1.6%	-1.6%	-11.7%	1.0%	2.7%
Private Real Estate	-0.1%	-4.1%	-13.1%	5.0%	5.5%
NCREIF Prop 1Q Arrears	-0.1%	-0.3%	-5.2%	1.7%	3.3%
Int'l Equity *(MSCI EAFE)*	**0.7%**	**3.6%**	**7.0%**	**-0.1%**	**4.8%**
MSCI EAFE	2.9%	5.4%	11.8%	4.2%	7.9%
MSCI ACWI ex US	2.3%	5.4%	10.3%	2.3%	6.8%
MCM International *(MSCI EAFE)*	2.9%	5.5%	11.8%	4.0%	7.8%
C Worldwide *(MSCI ACWI ex US)*	0.4%	n/a	n/a	n/a	n/a
Mondrian *(MSCI EAFE)*	5.8%	6.8%	14.3%	6.5%	7.6%
Sprucegrove *(MSCI EAFE)*	4.4%	n/a	n/a	n/a	n/a
MCM Emerging Markets *(MSCI EMF)*	0.2%	4.4%	5.3%	-3.2%	3.4%
WCM	-3.5%	n/a	n/a	n/a	n/a
Wasatch	-2.5%	n/a	n/a	n/a	n/a
MSCI EM	0.4%	5.0%	6.7%	-2.3%	3.8%
IEMG ETF	0.2%	4.5%	5.4%	n/a	n/a
MSCI EM IMI	0.3%	4.9%	7.5%	-1.6%	4.7%
Total Fixed Income *(BC Aggregate)*	**2.1%**	**4.8%**	**5.1%**	**-2.2%**	**1.2%**
BB Aggregate	2.3%	5.1%	5.1%	-2.6%	0.2%
Western *(BB Aggregate)*	2.3%	5.2%	4.5%	-4.4%	-0.1%
Clearwater *(BB Aggregate) - 1/2014*	2.4%	5.2%	5.8%	-2.4%	0.5%
SSgA Gov/Corp *(BB G/C)*	2.3%	4.8%	5.0%	-2.8%	0.4%
IR+M *(BB G/C)*	2.2%	4.9%	5.7%	-2.4%	1.0%
Bloomberg Gov/Credit	2.2%	4.8%	5.1%	-2.8%	0.4%
DBF Idaho Mortgages *(BB Mortgage)*	2.2%	5.3%	6.8%	-0.6%	1.9%
Bloomberg Treasury	2.2%	4.7%	4.1%	-3.0%	-0.2%
DBF MBS *(BB Mortgage)*	2.6%	6.1%	5.4%	-2.0%	-0.2%
Bloomberg Mortgage	2.6%	5.9%	4.9%	-2.3%	-0.3%
SSgA TIPS *(BB TIPS)*	1.8%	4.4%	4.3%	-1.9%	2.3%
Bloomberg US TIPS	1.8%	4.3%	4.4%	-1.6%	2.4%
Cash					
Clearwater: PERSI STIF *(90-day LIBOR)*	0.5%	1.4%	5.4%	3.2%	2.3%
ICE BofA 3-mo Treasury Bill Index	0.5%	1.4%	5.5%	3.2%	2.2%

Total U.S. Equity
Russell 3000 Benchmark — Jul 2024

Preliminary Performance

blue = outperform by 50 bp; **red** = underperform by 50 bp — *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total U.S. Equity ex RE and PE	**3.2%**	**9.3%**	**21.1%**	**6.8%**	**12.8%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
MCM Index *(RU 3000)*	**1.8%**	**9.9%**	**22.3%**	**8.5%**	**14.4%**
Donald Smith & Co. *(RU 3000)*	**9.7%**	**15.1%**	**42.1%**	**28.3%**	**22.0%**
S&P 500	1.2%	10.1%	22.2%	9.6%	15.0%
Peregrine *(RU 1000 Growth)*	**-5.4%**	**-3.0%**	**5.5%**	**-4.5%**	**8.9%**
Russell 1000 Growth	-1.7%	11.2%	26.9%	9.5%	18.4%
Atlanta Capital *(RU 2500)*	**5.8%**	n/a	n/a	n/a	n/a
Mountain Pacific *(RU 2500)*	**5.4%**	**9.2%**	**23.3%**	**5.4%**	**12.1%**
Russell 2500	7.4%	10.2%	13.1%	2.7%	9.7%
Total U.S. Equity incl RE and PE	**2.2%**	**6.2%**	**12.3%**	**7.0%**	**12.0%**
MCM REIT Index *(DJ US Select REIT)*	**5.8%**	**14.0%**	**10.3%**	**0.1%**	3.6%
Dow Jones U.S. Select REIT	5.9%	14.0%	10.3%	0.0%	3.6%
Adelante REITs *(Wilshire US REIT)*	**4.5%**	**13.3%**	**10.5%**	**0.5%**	**5.8%**
Wilshire US REIT	5.5%	14.1%	11.1%	0.4%	4.8%
Private Real Estate	**-0.1%**	**-4.1%**	**-13.1%**	**5.0%**	**5.5%**
NCREIF	-0.1%	-0.3%	-5.2%	1.7%	3.3%
Total RE *(Russell 3000)*	**2.0%**	**2.6%**	**-4.1%**	**2.3%**	**5.1%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
Private Equity	**0.1%**	**2.4%**	**4.6%**	**11.4%**	**14.6%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%



Performance Commentary:

During the month, the Total U.S. Equity portion of the portfolio excluding Real Estate and Private Equity outperformed the Russell 3000 index by 130 basis points. Donald Smith outperformed their S&P 500 benchmark by 850 bps and Atlanta and Mountain Pacific trailed their Russell 2500 benchmark by 160 and 200 basis points, respectively, while Peregrine underperformed their Russell 1000 Growth benchmark by 370 basis points. REITs outperformed the Russell 3000 index; however, Adelante underperformed their Wilshire REIT benchmark by 100 basis points. Private Real Estate performed in line with the NCREIF index and underperformed the Russell 3000 index by 200 basis points; and Private Equity underperformed the Russell 3000 by 180 basis points.

Total U.S. Equity
Portfolio Analysis

Jul 2024

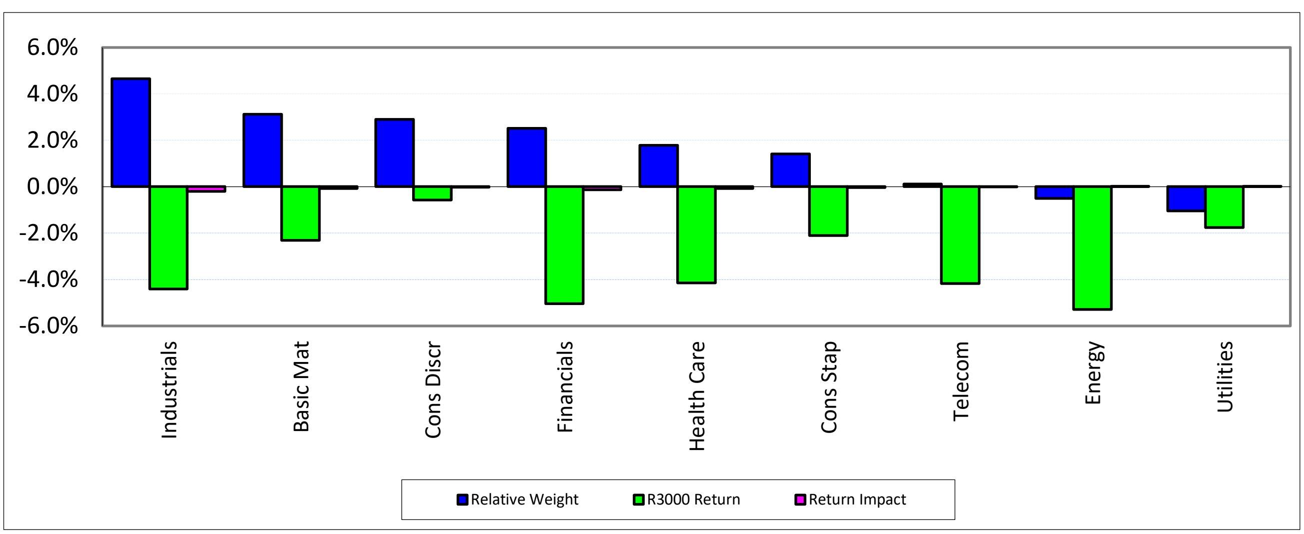
Portfolio Characteristics

	U.S. Eq	Dom Eq	RU 3000
Wtd Cap ($ b)	$ 282.9	$ 428.1	$ 688.8
P/Earnings	26.80	28.43	28.96
P/E ex Neg	23.29	25.34	26.16
P/Book Value	3.02	3.33	4.13
EPS 5Yr Growth	13.91	13.50	15.25
Debt/Equity	1.07	1.11	1.15

	U.S. Eq	Dom Eq	RU 3000
Beta	1.09	1.07	1.07
Dividend Yield (%)	1.16	1.39	1.20
5 Yr DPS Growth	10.39	9.01	8.40
ROE	19.98	20.49	22.97
ROA	8.09	8.36	9.68

Sector Allocations

Sectors	U.S. Eq Alloc	R3000 Alloc	Relative Weight	R3000 Return	Return Impact
Industrials	22.1%	17.5%	4.7%	-4.4%	-0.21%
Basic Mat	4.9%	1.8%	3.1%	-2.3%	-0.07%
Cons Discr	16.9%	14.0%	2.9%	-0.6%	-0.02%
Financials	16.1%	13.5%	2.5%	-5.0%	-0.13%
Health Care	12.2%	10.4%	1.8%	-4.1%	-0.07%
Cons Stap	5.4%	4.0%	1.4%	-2.1%	-0.03%
Telecom	1.7%	1.6%	0.1%	-4.2%	-0.01%
Energy	2.7%	3.2%	-0.5%	-5.3%	0.03%
Utilities	1.0%	2.1%	-1.0%	-1.8%	0.02%



Total Global Equity
Russell 3000 Benchmark & MSCI AC World Index — Jul 2024

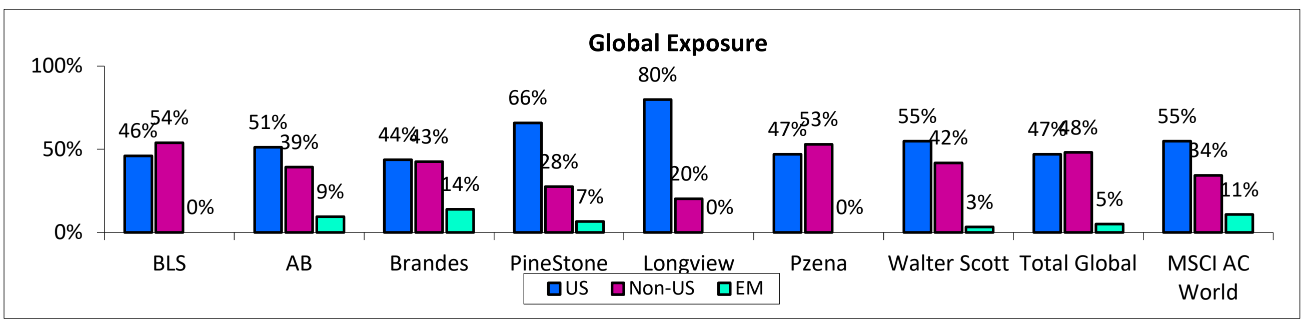
Preliminary Performance

blue = outperform by 50 bp; **red** = underperform by 50 bp *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total Global Equity	**3.2%**	**6.2%**	**11.8%**	**5.4%**	**11.1%**
Russell 3000	1.9%	10.0%	21.1%	8.1%	14.2%
Wilshire 5000	*1.8%*	*10.0%*	*21.1%*	*7.9%*	*14.1%*
MSCI World	1.8%	8.6%	18.9%	7.4%	12.6%
MSCI World net div	*1.8%*	*8.5%*	*18.3%*	*6.9%*	*12.1%*
MSCI AC World (ACWI)	*1.6%*	*8.2%*	*17.6%*	*6.3%*	*11.6%*
AB (MSCI ACWI)	**3.0%**	**7.7%**	**13.2%**	**4.0%**	**8.6%**
BLS (MSCI ACWI)	**4.1%**	**3.5%**	**-1.5%**	**1.9%**	**9.4%**
Brandes (Wil 5000)	**4.2%**	**5.8%**	**20.8%**	**11.1%**	**13.0%**
Longview (MSCI ACWI)	**2.9%**	**6.8%**	**14.4%**	**7.0%**	**10.7%**
PineStone (MSCI World)	**1.1%**	**7.8%**	**18.6%**	**6.7%**	**13.9%**
Pzena (MSCI ACWI)	**6.3%**	n/a	n/a	n/a	n/a
Walter Scott (MSCI World net div)	**0.7%**	**5.5%**	**13.7%**	**4.6%**	**11.5%**

Country Allocation Summary

Overweight Countries	Total Global	MSCI ACWI	Underweight Countries	Total Global	MSCI ACWI
United Kingdom	9.1%	3.4%	United States	40.3%	64.5%
India	4.7%	2.0%	Japan	3.8%	5.3%
Ireland	2.5%	0.1%	Australia	0.2%	1.7%



Performance Commentary:

During the month, the Total Global Equity portion of the portfolio outperformed the Russell 3000 index by 130 basis points and outperformed relative to the MSCI ACWI and MSCI World indexes by 160 and 140 basis points, respectively. All Global Equity managers, except PineStone and Walter Scott, outperformed relative to the Russell 3000, MSCI ACWI, and MSCI World indexes. PineStone underperformed the Russell 3000 by 80 bps while Walter Scott lagged by 120 bps. Brandes and Pzena generated the most added value during the month.

Total International Equity
MSCI EAFE Benchmark & MSCI ACWI xUS Index — Jul 2024

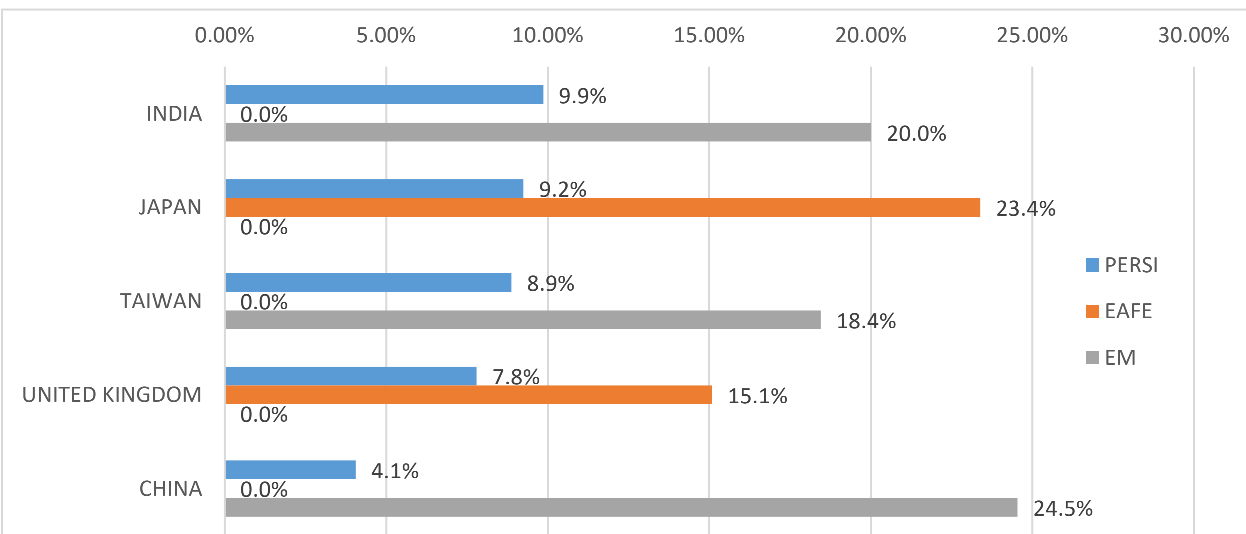
Preliminary Performance

blue = outperform by 50 bp; **red** = underperform by 50 bp *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total International Equity	**0.7%**	**3.6%**	**7.0%**	**-0.1%**	**4.8%**
MSCI EAFE	2.9%	5.4%	11.8%	4.2%	7.9%
MSCI ACWI ex US	2.3%	5.4%	10.3%	2.3%	6.8%
MCM EAFE Index (MSCI EAFE)	**2.9%**	**5.5%**	**11.8%**	**4.0%**	**7.8%**
C Worldwide (MSCI ACWI ex US)	**0.4%**	n/a	n/a	n/a	n/a
Mondrian (MSCI EAFE)	**5.8%**	**6.8%**	**14.3%**	**6.5%**	**7.6%**
Sprucegrove (MSCI EAFE)	**4.4%**	n/a	n/a	n/a	n/a
MCM Emg Mkts Index (MSCI EMF)	0.2%	4.4%	5.3%	-3.2%	3.4%
MSCI EMF	0.4%	5.0%	6.7%	-2.3%	3.8%
WCM	**-3.5%**	n/a	n/a	n/a	n/a
Wasatch	**-2.5%**	n/a	n/a	n/a	n/a

Country Allocation Impact

Top 5 - Country Allocation



Performance Commentary:

The Total International Equity portion of the portfolio underperformed the MSCI EAFE index by 220 basis points during the month. Emerging markets underperformed developed markets by 270 basis points. C Worldwide trailed the MSCI EAFE index by 250 bps while Mondrian and Sprucegrove outperformed by 290 bps and 150 bps respectively. The Total International Equity portion of the portfolio continues to underperform over longer time periods.

Total Fixed Income
Bloomberg Aggregate Benchmark — Jul 2024

Preliminary Performance

blue = outperform by 10 bp; **red** = underperform by 10 bp *(* Annualized)*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Total Fixed Income	**2.1%**	**4.8%**	**5.1%**	**-2.2%**	**1.2%**
Bloomberg Aggregate	2.3%	5.1%	5.1%	-2.6%	0.2%
SSGA G/C (G/C)	**2.3%**	**4.8%**	**5.0%**	**-2.8%**	**0.4%**
IR+M	**2.2%**	**4.9%**	**5.7%**	**-2.4%**	1.0%
Bloomberg Govt/Credit Bond	2.2%	4.8%	5.1%	-2.8%	0.4%
DBF MBS (Mortgage)	**2.6%**	**6.1%**	**5.4%**	**-2.0%**	**-0.2%**
Bloomberg MBS	2.6%	5.9%	4.9%	-2.3%	-0.3%
DBF Mortgages (Mortgage)	**2.2%**	**5.3%**	**6.8%**	**-0.6%**	**1.9%**
Bloomberg Treasury	2.2%	4.7%	4.1%	-3.0%	-0.2%
SSGA TIPS (US TIPS)	**1.8%**	**4.4%**	**4.3%**	**-1.9%**	**2.3%**
Bloomberg US TIPS	1.8%	4.3%	4.4%	-1.6%	2.4%
Western Core Full + (Aggregate)	**2.3%**	**5.2%**	**4.5%**	**-4.4%**	**-0.1%**
Clearwater Agg (Aggregate)**	**2.4%**	**5.2%**	**5.8%**	**-2.4%**	**0.5%**
Bloomberg Aggregate	2.3%	5.1%	5.1%	-2.6%	0.2%

** Clearwater Agg performance begins 1/2014; previous period returns reflect Clearwater TBA portfolio

Portfolio Attributes*** (as reported by Russell/Mellon)

**** excludes ID Mortgages*

	Coupon	Moody Quality	Current Yield	Yield to Maturity	Option Adj Duration	Modified Duration	Effective Convexity	# of Holdings
Total Fixed	2.43%	Aa1	2.94%	4.65%	6.48	6.53	0.83	6,726
SSGA G/C	3.48%	Aa2	3.66%	4.63%	6.25	6.28	0.82	4,449
IR+M	4.15%	Aa3	4.27%	4.92%	6.23	6.38	0.85	233
DBF MBS	3.40%	Aaa	3.67%	4.96%	5.47	5.74	0.03	79
SSGA TIPS	1.10%	Aaa	1.13%	4.29%	6.92	6.92	0.94	50
Clearwater TBA	4.64%	Aa3	4.88%	6.16%	6.08	6.26	n/a	122
Western	4.78%	A1	6.23%	5.99%	6.75	6.92	0.62	1,792

Performance Commentary:

During the month, the Total Fixed Income portion of the portfolio modestly trailed the Aggregate benchmark. The SSGA G/C and IR+ M portfolios kept pace with the Bloomberg Gov/Credit index; the DBF MBS portfolio matched the MBS index; the DBF Idaho Commercial Mortgage Portfolio kept pace with the Treasury index; the SSgA TIPS portfolio mirrored the US TIPS index; and the Western Core Full+ and Clearwater portfolios performed inline with the Aggregate benchmark. Over intermediate time periods, the performance of the Total Fixed Income portion of the portfolio is inline with the Aggregate benchmark while over the five year period, the Total Fixed Income portfolio added 100 basis points over the Aggregate benchmark.

Adelante (Public RE - REITs)
Domestic Equity: Wilshire REIT Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Adelante Total Return	4.53%	13.24%	10.41%	0.55%	5.78%
Wilshire REIT Index	5.45%	14.12%	11.08%	0.43%	4.80%

Performance Attribution & Strategy Comments

For the month ended July 31, 2024 – The Account underperformed the Wilshire US REIT Index by 92 basis points, gross of fees, as the REIT market advanced 5.5%.

- Contributors: security selection within Local Retail, Industrial Mixed and the sector allocation to Office (overweight).
- Detractors: security selection within Office, Industrial and the sector allocation to Storage (underweight).
- Best performing holding: BXP, Inc., +15.8%.
- Worst performing holding: Marriott International CL-A, -6.7%.

For the trailing quarter ended July 31, 2024 – The Account underperformed the Wilshire US REIT Index by 88 basis points, gross of fees, as the REIT market advanced 14.1%.

- Contributors: security selection within Local Retail, Industrial and the sector allocation to Diversified (underweight).
- Detractors: security selection within Office, the sector allocation to Single Family Homes (overweight) and a cash drag.
- Best performing holding: ProLogis, Inc., +24.6%.
- Worst performing holding: Playa Hotels & Resorts, -5.8%.

Comments – Cooling economic data sparked the July Treasury rally and **the rotation within the equity market benefitting REITs;** the 10-year Treasury Note yield fell 43bps over the month, ending the month at 4.05%. All but two REIT subsectors were positive with **longer duration, leveraged, and transaction related subsectors outperforming.** The private market is also stabilizing with the **Green Street's June Commercial Property Price Index posting another month of sequential gains,** driven by Apartment values rising 5%+. By month end, the markets have increased the odds of a FOMC rate cut by September to 95%+.

Earning season also contributed to REITs outperformance with 75% of the large cap REITs reporting in July; more than 70% reported positive YoY earnings growth. Falling rates and positive earnings opened the window for **Lineage's successful IPO on July 25th, the largest REIT IPO on record, valuing the company at ~$19B.** We participated in the IPO. The Company raised $4.4B in a 56.9M share offering, upsized from 47.0M, and began trading at $82, the high-end of its pricing range.

In the month, **Industrial was the best performing sector, advancing 12.5%,** aided by Prologis' improved outlook and commentary from peers noting improved leasing activity across most markets; **Single Family Rental was the worst performing sector, down 2.2%,** as INVH management lowered revenue growth guidance and its June rent growth decelerated. Also weighing on the SFR sector, Senate Democrats introduced HART Act legislation which would require large SFR landlords to disclose transactions to the FTC, and DoJ for antitrust scrutiny. **Worth noting - Moody's Analytics national office vacancy rate reached 20.1% in Q2 - highest since 1979.**

At month-end, the portfolio's dividend yield and cash positions stood at 3.5% and 2.6%, respectively.

Manager Style Summary

Adelante (formerly Lend Lease Rosen) manages the public real estate portfolio, comprised of publicly-traded real estate companies, primarily real estate investment trusts (REITs). Investments will generally fall into one of three categories as described in the Portfolio Attributes section: Core holdings, Takeover/Privatization candidates, and Trading Opportunities. Typical portfolio characteristics include current pricing at a discount relative to the underlying real estate value, attractive dividend prospects, low multiple valuations (P/FFO), and expert management.

Adelante (Public RE - REITs)

Domestic Equity: Wilshire REIT Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Adelante	Wilshire REIT	Calc	Min	Max	Compliance
B2. All securities are publicly-traded real estate companies, primarily real estate investment trusts						ok
B3. Mkt Cap of Issuers of Securities in the Account				$250		ok
B4. Single Security Positions <= 30% @ purchase						ok
B6a. P/FFO (12-mo trail)	19.19	18.14	1.06		1.30	ok
B6b. Beta	0.96	1.00	0.96	0.70	1.30	ok
B6c. Dividend Yield	3.34	3.64	0.92	0.80	2.00	ok
B6d. Expected FFO Growth	18.98	18.07	105%	80%	120%	ok
E2. Commissions not to exceed $0.06/share						ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Portfolio Attributes

Portfolio Guidelines section B5

Core Holdings (40% - 100%) Actual: 84% ok

Consists of investments with the following characteristics: premier asset portfolios and management teams, attractive dividend yields, low multiple valuations, real estate property types or regions that are less prone to experinece the impact of an economic slowdown.

Takeover/Privatization Candidates (0% - 15%) Actual: 0% ok

Focuses on smaller companies which may be attractive merger candidates or lack the resources to grow the company in the longer-term. Also focuses on companies which may have interest in returning to the private market due to higher private market valuations.

Trading Arbitrage (0% - 20%) Actual: 13% ok

Focuses on high quality companies which may become over-sold as investors seek liquidity.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 1,444

Organizational/Personnel Changes

There were no changes during the month.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m):	$ -
	Reason(s):			

Atlanta Capital

Domestic Equity: Russell 2500 Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Atlanta Capital	5.81%	9.23%	N/A	N/A	N/A
Russell 2500	7.43%	10.22%	N/A	N/A	N/A

Portfolio Attributes

Characteristics	Atlanta	RU 2500
Mkt Value ($m)	720.58	N/A
Wtd Cap ($b)	14.25	7.09
P/E	22.70	17.90
Beta	0.66	1.00
Yield (%)	0.73	1.39
Earnings Growth	13.80	22.30

Sector Analysis (Top 2)

Over-weight	Atlanta	RU 2500
Industrials	28.68%	19.02%
Financials	24.16%	16.85%

Under-weight	Atlanta	RU 2500
Health Care	5.69%	12.88%
Energy	0.00%	5.50%

Performance Attribution & Strategy Comments

The small and mid cap market experienced a meaningful rally in July as moderating inflationary data increased expectations for future Federal Reserve rate cuts. While overall performance was positive, the portfolio trailed the benchmark by approximately 160 basis points in July 2024. Overall stock selection was negative with holdings in Financials, Industrials, and Consumer Discretionary detracting from performance. Selection was positive in Real Estate and Technology. Overall asset allocation was positive for the period with our overweight to Financials and Industrials, and underweight to Energy benefiting returns. The portfolio's underweight to Real Estate, Communication Services, and Health Care were modest detractors. Turnover remains below our long-term average as overall valuations in the market remain robust and there are few compelling new entry points for watch list stocks. We continue to focus the portfolio on high quality companies that should perform well in good economic periods and offer a level of protection in times of market uncertainty.

Manager Style Summary

Atlanta Capital has been hired to manage a small-to-mid cap quality equity portfolio. Atlanta will invest in a focused portfolio of generally 50-60 companies with 5% max position size. Further, sector limits are limited to 30% absolute. Atlanta evaluates U.S. companies having market capitalizations within the range of companies comprising the Russell 2500 Index. The team excludes companies with volatile earnings streams, short operating histories, high levels of debt, weak cash flow generation, and low returns on capital to create a "focus list" of high-quality companies.

Atlanta Capital

Domestic Equity: Russell 2500 Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Atlanta	Calc	Min	Max	Compliance
A2. Cash exposure <= 5%						Yes
B2. Securities, at time of purchase, within the index market cap						Yes
B3. Security position <= 5% of the account						Yes
B4. Number of issues		52		50	60	ok
B5. Sector limits less than 30%						Yes
B6. Annual turnover		7%		10%	20%	check
B7. Normal Global Portfolio Characteristics						
Capitalization (rel)	7094	14248	201%	100%	200%	check
Maximum Sector Exposure		29%		0%	30%	ok
Price/Book Value (rel)	2.3	3.7	161%	100%	170%	ok
Price/Earnings (rel)	17.9	22.7	127%	100%	200%	ok
Dividend Yield (rel)	1.4	0.7	53%	40%	70%	ok
Beta (rel)		0.66		0.70	1.00	check
D. No foreign currency denominated securities, derivatives, short sales, commodities, margin or affiliated pooled funds.						Yes
E1. Brokerage commissions not to exceed $0.05/share for U.S. equities						Yes
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B6. Annual Turnover: Turnover has been below average, largely due to a lack of compelling new opportunities at current valuations.

B7. Capitalization: The June 30th Russell Reconstitution reduced the benchmark's wtd. avg. mkt.cap from 8bn to 7bn.

B7. Beta: Trailing beta vs. the benchmark declined by 4bps and is still in keeping with our higher quality bias.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 33,200

Organizational/Personnel Changes

Bill Bell, CFA announced plans to retire at the end of 2024. Jeff Wilson, CFA has been hired and is expected to become a named PM on the team upon Bill's departure.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m):	$ -
	Reason(s):			

Bernstein Global Strategic Value

Global Equity: MSCI ACWI Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Bernstein GSV	3.02%	7.74%	13.34%	3.94%	8.64%
MSCI ACWI	1.61%	8.09%	17.02%	5.75%	11.05%
Russell 3000	1.86%	9.97%	21.07%	8.11%	14.23%

Performance Attribution & Strategy Comments

Portfolio Performance: In July, the Portfolio rose in absolute terms and outperformed its benchmark, the MSCI ACWI, gross and net of fees. Both stock and sector selectioncontributed to overall relative performance, gross of fees. Stock selection within healthcare and communication services contributed the most, while stock selection within technology and an underweight to real estate detracted, mitigating some gains.US telecommunications provider Charter Communications was the leading contributor to results during the month. The company's 2Q revenue and earnings per share came in ahead of analyst expectations as strong results in its mobile business helped offset a decline in internet and video customersnet additions.UK retail commercial bank NatWestGroup contributed. The bank reported higher-than-expected net income and operating profits for 2Q on strong retail deposits and higher credit card lending. The lender offered higher profit guidance for the year, sending shares higher. The bank maintained its full-year 2024 income guidance. NatWest alsoannounced that it has entered into an agreement with Metro Bank to acquire a £2.5 billion portfolio of prime UK residential mortgages.Swiss pharmaceuticals and diagnostics company Roche contributed to performance. Shares were up on positive Phase I clinical trial data for its experimental obesity drug CT-996, which is the second of its GLP-1 medications to show positive clinical trial results over the last three months. Lam Research, an American supplier of wafer-fabrication equipment (WFE) and related services to the semiconductor industry, detracted the most from performance. Shares fell amid a broader downturn in semiconductor stocks and reports that further trade restrictions may be imposed by the US. Data storage company Western Digital detracted from performance. The company's fiscal 4Q revenue topped analyst expectations, but its forward guidance disappointed as the company indicated that the recovery in its data storage products would be slower than anticipated.

Outlook: Global equities posted healthy gains in the first half of 2024, but large-cap market breadth was again highly concentrated with markets driven higher by a very narrow group of primarily US mega-cap technology stocks. Investors also reconciled themselves to a new reality of interest rates staying higher for longer than expected, with markets now anticipating fewer cuts in the US and in Europe.The market's resilience reflects a potential turning point for equity investors, in our view. After a prolonged period during which concerns about inflation, growth and interest rates dominated return patterns, we think corporate profits are regaining prominence—and growing optimism on the earnings outlook has propelled markets in the first quarter. If this trend continues, we expect equity returns to broaden—following the extreme concentration of markets in the Magnificent Seven, a small group of US mega-cap technology and technology-related stocks including Alphabet (Google), Amazon.com, Apple, Meta Platforms, Microsoft, NVIDIA and Tesla, over 2023. Beyond the mega-caps, consensus earnings forecasts are picking up. Despite regional differences, we believe investors can find pockets of attractive growth opportunities in Europe and emerging markets, and even in China, despite its struggling economy. We continue to believe that we are positioned well for a more typical market environment, which we will inevitably return to. We believe that our Portfolio is positioned well, with a collection of underappreciated businesses and businesses undergoing positive changeswith overall good growth prospects and profitability characteristics yet trading at a large discount to the market. Our key industry overweight bets include memory semiconductors, US communications services, European aerospace and defense, and US healthcare. Our key industry underweight bets include technology (ex-memory semis), large-cap industrials (ex-aerospace &defense), and food & beverages. We have about an 11% underweight to US mega-cap tech stocks (Magnificent Seven) compared with the market, and we believe that this is appropriate, as we feel that we can find other strong businesses trading at much more attractive valuations.

Manager Style Summary

Bernstein is a research-driven, value-based, "bottom-up" manager, whose process is driven by individual security selection. Country allocations are a by-product of the stock selection process, which drives the portfolio country over and under weights. They invest in companies with long-term earnings power, which are undervalued due to an overreaction by the market. This value bias will result in a portfolio which will tend to have lower P/E and P/B ratios and higher dividend yields, relative to the market. The Global Strategic Value product is a concentrated global equity portfolio, and as such, may experience more volatility relative to the market.

Bernstein Global Strategic Value
Global Equity: MSCI ACWI Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Bernstein	Calc	Min	Max	Compliance
B3. Security position <= 10% of the account @ purchase						ok
B4. Number of issues		61.0		25	75	ok
B5. Normal Regional Exposures (* benchmark -/+ min/max):						
United States *	65%	56%		40%	90%	ok
Europe ex U.K. *	12%	13%		-3%	27%	ok
UK *	3%	10%		-7%	13%	ok
Japan *	5%	6%		-5%	15%	ok
Emerging Markets		10%		0%	20%	ok
Other		4%		0%	20%	ok
B6. Normal Global Portfolio Characteristics (MSCI ACWI)						
Capitalization	599,460	312,339	52%	50%	100%	ok
Price/Book Value	3.1	2.3	74%	50%	100%	ok
Price/Earnings (Next 12 mo)	16.8	12.7	76%	50%	100%	ok
Price/Cash Flow	14.8	9.1	62%	50%	100%	ok
Dividend Yield	1.9	1.8	96%	75%	200%	ok
C1. Currency or cross-currency position <= value of hedged securities						ok
No executed forward w/o a corresponding securities position.						ok
C2. Max forward w/ counterparty <= 30% of total mv of account						ok
Forwards executed with Custodian <= 100% of the total mv of account, given credit check						ok
F2. Brokerage commissions not to exceed $0.05/share for U.S. equities						ok
F3. Annual turnover		44%		30%	40%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F3. Annual Turnover: Turnover will vary throughout market cycles based on the level of volatility in markets and the changing nature of the value opportunity.

Total Firm Assets Under Management ($m) as of: Qtr 2 $769,536

Organizational/Personnel Changes

Investment decisions for Global Strategic Value are made by the Chief Investment Officer and Director of Research. For the month of July 2024 there were no personnel changes for the GSV portfolio.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m):	
	Reason(s):			

BLS Capital
Global Equity: MSCI ACWI Benchmark

For the month of:	July	2024

Manager Performance Calculations ** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
BLS	4.17%	3.48%	-1.51%	1.79%	9.30%
MSCI ACWI	1.61%	8.09%	17.02%	5.75%	11.05%

Performance Attribution & Strategy Comments

In July, the largest relative contributors to performance were St. James's Place (27 pct. return in US dollars), DSV (19 pct.), and Automatic Data Processing (10 pct.). Otis Worldwide (-2 pct.), LVMH (-8 pct.), and Experian (1.2 pct.) were the largest relative detractors.

July saw a noticeable increase in both individual company and index-level volatility. Investor tolerance for disappointing guidance appeared low, as negative revisions led to significant share price declines, including among Magnificent 7 companies. Volatility was not confined to equities, with significant price movements in currencies—impacted by the unwinding of Japanese yen carry trades—and bond yields. For only the second month this year, either MSCI's Momentum Index or the Magnificent 7 underperformed the MSCI AC World. In contrast, MSCI's Value Index, high-dividend yield companies, and the equal-weighted S&P 500 delivered more than 4 pct. share price returns, with the latter being driven by small-cap names outperforming. Thirteen of our portfolio companies reported in July. Coca-Cola, DSV, S&P Global, and Moody's all upgraded their guidance, while St. James's Place provided long-term cash flow guidance nearly double consensus expectations.

St. James's Place's (SJP) second quarter was another quarter of solid operational performance. In the period to 2030, SJP will increase its growth investments while delivering net annual savings of more than 20 pct. of its current controllable cost base. It conservatively estimates funds under management growth of mid- to high-single-digits, which will allow it to at least double its free cash flows in the period to 2030, which we find conservative and despite the shares trading up +25 pct. on the report, they remain deeply undervalued at a free cash flow yield of 10 pct. and an estimated 13 pct. free cash flow CAGR of 13 pct. to 2030

In the US and Europe, despite low unemployment rates, consumers remain cautious and value-conscious in their spending due to inflation and higher interest rates, which have driven up the cost of living, leading to a general slowdown in consumer spending. Chinese GDP is growing at 5 pct., below the long-term structural trend, partly reflecting a more hesitant Chinese consumer. LVMH reported high-single-digit sales growth to Chinese consumers, with increased traffic through Japan due to the weak Japanese yen. Our companies with exposure to Chinese consumers are generally coping well, continuing to grow their free cash flows. Budweiser APAC and Yum China remain attractively valued, with free cash flow yields close to 12 and 10 pct., respectively, net of cash. Consumer companies are increasingly focusing on value propositions in response to the slowdown, with more promotional activity and adjustments to pack sizes to offer better value. While our branded consumer goods companies are not immune to consumer reluctance, their market-leading brands and customer loyalty help mitigate the impact and protect long-term intrinsic value. Coca-Cola has been a standout performer among consumer staples companies, with continued volume growth and price-mix above its long-term range.

Manager Style Summary

BLS is a "bottom-up" manager, whose process is driven by individual security selection. They invest in quality companies which have the best possibility of creating sustainable value and generating attractive risk adjusted returns to investors in the long term. Country and sector exposures are by-products of the security selection process and are unconstrained by index weights. The portfolio consists of roughly 25-30 securities at a time. It is a concentrated global equity portfolio, and as such, may experience more volatility relative to the market.

BLS Capital

Global Equity: MSCI ACWI Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	BLS	Min	Max	Compliance
B3. No more than 10% of the account shall be invested in any one security @ purchase				Yes
B4. No more than 2 companies headquartered in Denmark				Yes
B5. Number of issues	26	25	30	ok
B6. Normal Regional Exposures (* benchmark -/+ min/max):				
North America	46%	35%	50%	ok
Japan	0%	0%	0%	ok
Europe ex UK	30%	15%	35%	ok
UK	17%	5%	13%	check
Pacific ex Japan	0%	0%	0%	ok
Emerging Markets	7%	10%	30%	check
Non-Index Countries	0%	0%	0%	ok
Total	100%			
B7. Normal Global Portfolio Characteristics				
Capitalization (45%-75%)	95	45	75	check
Price/Book Value	6.6	5	9	ok
Price/Earnings (current)	20.2	17	23	ok
Price/Cash Flow (current)	17.1	19	24	check
Dividend Yield	2.2%	1.8%	2.8%	ok
ROE	47%	31%	37%	check
ROIC	46%	42%	50%	ok
FCF Yield	5.9%	3.8%		ok
F2. Brokerage commissions not to exceed $0.03/share for U.S. equities				Yes
F3. Annual turnover	28%		40%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B6. Regional Exposures: We have continued to see more attractive risk-adjusted return potential in our UK listed companies as opposed to Emerging Markets holdings.

B7. Capitalization: We continue to see attractive risk-adjusted returns in higher market capitalization names.

B7. Price/Cash Flow: The price/cash flow metric is not our primary valuation measures, as this is the free cash flow yield. As the free cash flow yield has increased, the price/cash flow has drifted lower.

B7. ROE: We continue to see attractive opportunities in companies with higher returns on equity.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 7,266

Organizational/Personnel Changes

A Senior Analyst in Investment Research left to pursue other opportunities.

Account Turnover

Gained:	Number of Accounts:	1	Total Market Value ($m):	$	57.0
Lost:	Number of Accounts:	0	Total Market Value ($m):	$	-
	Reason(s):				

Brandes Investment Partners, L.P.

Global Equity: Russell 3000 Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Brandes	4.27%	5.92%	21.10%	11.14%	13.07%
Russell 3000	1.86%	9.97%	21.07%	8.10%	14.21%

Performance Attribution & Strategy Comments

Global markets continued their upward move in July, driven by strong performance in technology, positive earnings revisions and hopes that signs of moderating inflation would lead to lower rates. Against this backdrop the Brandes Global Equity portfolio exhibited strong absolute and relative performance. The largest sector contributor on a relative basis was Information Technology, where the portfolio's underweight allocation and strong stock selection both positive factors. An overweight position in Bank stocks also boosted returns. There were few relative detractors for the month but select companies declined on earnings downgrades. The largest relative detractor on an industry basis was due to underperformance of our holdings in the Beverage industry. As of 7/31/24, the largest absolute country weightings were in the U.S. - although the portfolio is significantly underweight relative to the index - the United Kingdom and France; the largest sector weightings were Financials, Health Care and Information Technology, although that is still significantly underweight versus the index. During the month the Global Investment Committee had no new buys but added to names in Pharmaceuticals and Luxury Goods . There were no full sells but the Committee pared positions in TSMC and DBS Group, following their strong gains YTD. We believe the current fundamentals of our holdings bode well for the long term. With the valuation gap between value and growth stocks widening in the past year, we are increasingly optimistic about the return potential for value stocks. Following the performance of the growth index, fueled largely by a few U.S. tech-related companies, value stocks are trading at the largest discount relative to growth stocks (MSCI World Value vs. MSCI World Growth) since the inception of the style indices. This valuation disparity is evident across various metrics, such as price/earnings, price/cash flow and enterprise value/sales. Historically, such valuation differentials have often signaled attractive future returns for value stocks over longer term horizons.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 26,988

Organizational/Personnel Changes

None

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$	-
Lost:	Number of Accounts:	0	Total Market Value ($m):	$	-
	Reason(s): N/A				

Manager Style Summary

Brandes is a classic "bottom-up" manager, focusing primarily on individual security selection (while country allocation is a secondary consideration), with a "value" bias, purchasing stocks primarily on the perceived undervaluation of their existing assets or current earnings. Consequently, the securities in the portfolio will tend to have a higher dividend yield and lower P/E and P/Book ratios compared to the market. Brandes' classic Graham and Dodd value investment style combined with the relatively low number of stocks in the portfolio results in large gains or losses on the portfolio. What has been encouraging is that Brandes has turned in good returns when the markets generally have rewarded growth, rather than value, styles.

Brandes Investment Partners, L.P.

Global Equity: Russell 3000 Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Brandes	Calc	Min	Max	Compliance
B3. Security position <= 5% of the account @ purchase						ok
B4. Number of issues		69		40	70	ok
B5. Normal Country Exposures:						
United States & Canada		43%		30%	100%	ok
Americas ex U.S.		5%		0%	40%	ok
United Kingdom		16%		0%	25%	ok
Europe ex U.K.		22%		0%	50%	ok
Japan		0%		0%	45%	ok
Pacific ex Japan		11%		0%	40%	ok
Non-Index Countries		0%		0%	20%	ok
Cash & Hedges		2%				
Total		100%				
B6. Normal International Portfolio Characteristics (FTSE All World ex U.S. "Large")						
Capitalization	$106,663	$136,439	128%	30%	125%	check
Price/Book Value	1.9	1.5	78%	50%	100%	ok
Price/Earnings	15.8	11.8	74%	50%	100%	ok
Price/Cash Flow	10.2	7.0	69%	50%	100%	ok
Dividend Yield	2.9	3.4	119%	90%	150%	ok
B7. Normal U.S. Portfolio Characteristics (Russell 3000)						
Capitalization	$758,331	$154,438	20%	30%	125%	check
Price/Book Value	4.4	1.7	39%	50%	100%	check
Price/Earnings	25.6	15.4	60%	50%	100%	ok
Price/Cash Flow	17.1	11.1	65%	50%	100%	ok
Dividend Yield	1.3	2.1	160%	90%	150%	check
C1. Currency or cross-currency position <= value of hedged securities						ok
No executed forward w/o a corresponding securities position.						ok
C2. Max forward w/ counterpart <= 30% of total mv of account						ok
F2. Brokerage commissions not to exceed $0.05/share or 50% of principal (non-U.S.)						ok
F2. Annual turnover		16%			100%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B7. Capitalization:	Current US mkt historically wide spread btw Value/Growth causing all portf characteristics to skew even more "value" than our typical range.
B7. Price/Book Value:	Current US mkt historically wide spread btw Value/Growth causing all portf characteristics to skew even more "value" than our typical range.
B7. Dividend Yield:	Current US mkt historically wide spread btw Value/Growth causing all portf characteristics to skew even more "value" than our typical range.

C WorldWide Asset Management

International Equity: MSCI ACWI ex US Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
C WorldWide Asset Mgmt	0.39%	3.70%	N/A	N/A	N/A
MSCI ACWI ex US	2.32%	5.19%	N/A	N/A	N/A

Performance Attribution & Strategy Comments

Among the top contributors to investment returns in July were Ferguson, Hoya, and Compass. Lower rates helped housing-related equities during the month and shares of Ferguson, after declining since mid-May, also rallied. Compass, one of the portfolio's most recent additions, reported strong organic growth of 10.3%, driven by net new business growth of 4.5%, pricing of 4%, and volumes of around 2%. On the back of this, the company upgraded its operating profit guidance for 2024 to above 15% growth. Compass has over the last five years exited more than 15 markets and recently exited the challenging Brazilian market to focus on now consolidating the European market. We expect this display of excellent capital allocation to continue and to see a pickup in M&A in Europe.

Among the top detractors were Novo Nordisk, ASML, and HDFC Bank. The main common factor among the month's detractors is their strong share price performance this year until a macro lead rotation out of previous winners started in early July. With lower rates spurring a rotation into companies with weaker balance sheets, this caused companies as diverse as leading pharma companies and semiconductor companies to sell off. The decline in Novo Nordisk and key competitor Eli Lilly accelerated with news that Viking Therapeutics and Roche had shown success in early-stage trials of their weight reduction drugs.

The semiconductor index SOX sold off during July, and the shares of ASML were no exception. The company reported an inline quarter but with the sales outlook for the third quarter coming in 7% below expectations. The shares saw further declines on news reports of further export restrictions on servicing equipment in China, but late in the month new rumours seemed to indicate that ASML would be exempt from these rules, leading to a strong bounce in the share price. If these restrictions were adopted, it seems like around 2-3% of ASML's revenues would be at risk. The company still looks very optimistically on 2025 and 2026 on the back of higher utilization rates at TSMC and the expectation that memory manufacturers are yet to meaningfully adopt EUV for producing High-Bandwidth-Memory chips.

Manager Style Summary

C WorldWide Asset Management will manage an international equity mandate. They utilize a "bottom up" strategy and will hold a maximum of 30 stocks (one in/one out) with a quality and large cap bias. The portfolio will exhibit low turnover and the investment horizon is long term. Global trends and themes assist with portfolio construction from idea generation to execution. The firm is looking for stable and sustainable business models favorably aligned with global and regional themes.

C WorldWide Asset Management
International Equity: MSCI ACWI ex US Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	C World	Min	Max	Compliance
A2. Cash exposure <= 5%				Yes
B2. Securities with a >=5% weighting, not to collectively exceed 40% of the port				Yes
B3. Security position <= 10% of the account				Yes
B4. Number of issues	29.0	25	30	ok
B5. Normal Regional Exposures (benchmark min/max):				
Europe ex U.K.	45%	20%	60%	ok
U.K.	15%	0%	30%	ok
Pacific	18%	0%	30%	ok
Emerging Markets	13%	0%	30%	ok
United States	10%	0%	20%	ok
Total	100%			
B6. Normal Global Portfolio Characteristics relative to benchmark				
Capitalization	177.30%	50%	200%	ok
Price/Book Value	254.43%	50%	-	ok
Price/Earnings	163.61%	50%	-	ok
Price/Cash Flow	188.64%	50%	-	ok
Dividend Yield	62.18%	-	200%	ok
D. No derivatives, short sales, commodities, margin or currency hedging.				Yes
E1. Brokerage commissions not to exceed $0.06/share for U.S. equities				Yes
F3. Annual turnover	12%	0%	30%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 20,086

Organizational/Personnel Changes

No changes in organisation or personnel.

Account Turnover

Gained:	Number of Accounts:	2	($m):	$	3.8
Lost:	Number of Accounts:	1	($m):	$	1.2

Reason(s): Client is moving into passive managed funds instead of active funds.

Clearwater Advisors, LLC

Core Fixed: BB Aggregate Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Clearwater Agg	1.96%	4.90%	5.56%	-2.47%	0.41%
BB Aggregate	2.34%	5.06%	5.10%	-2.63%	0.19%

Performance Attribution & Strategy Comments

Bond markets in July saw increased demand for safety which caused Treasury rates to fall. Yields fell sharply in the 2 year by 47 basis points. Longer bonds fell by 25 to 35 basis points which is still a relatively large move. Short rates held steady once again as the Fed remained on hold.

Credit spreads widened again but only by 4 basis points to end at 131 bps. Mortgage spreads reversed course and tightened by 5 basis points but still remain in the same narrow range as they have all year.

Economic reports mostly came in a little soft for the third month in a row and there is now some concern that employment reports are starting to show signs of weakness. The Fed has now held short term rates steady for a full year but they gave every indication that they will likely cut at the next meeting in September. Many economists think that they are already a month or two late. Time will tell.

The Clearwater portfolio underperformed the benchmark in July by 38 basis points, which effectively wiped out the gain from June. The main reason was our underweight to treasuries and overweight to the Financial sector. Finance was one of the worst performers and it is our biggest overweight. We are not concerned with this small amount of underperformance and are confident that our names will return to par over time.

Manager Style Summary

Clearwater manages a core Aggregate portfolio which is not expected to deviate significantly from the benchmark, although issuer concentration is expected to be much larger. They seek to add value through sector allocation and security selection rather than duration bets. Prior to January 2014, Clearwater managed a TBA mortgage portfolio. The historical returns through December 2013 reflects the performance of the TBA portfolio while performance beginning January 2014 reflects the Aggregate portfolio.

Clearwater Advisors, LLC

Core Fixed: BB Aggregate Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Clearwater	BB Agg	Min	Max	Compliance
A1. The account shall consist of dollar denominated fixed income securities					ok
B2. Duration:	6.2	6.0	5.5	6.5	ok
B3. Sector Diversification:					
Treasuries	29%	43%	28%	58%	ok
Agencies	2%	2%	-13%	17%	ok
Supra/Sovereign	2%	3%	-7%	13%	ok
Corporates	35%	24%	4%	44%	ok
Industrial	14%	14%	-1%	29%	ok
Financial	17%	8%	-7%	23%	ok
Utility	3%	2%	-8%	12%	ok
MBS	28%	26%	11%	41%	ok
ABS	1%	0%	-5%	5%	ok
CMBS	3%	2%	-3%	7%	ok
B4. Issuer Concentration: <=5% all corporate issuers				5%	ok
B5. Number of positions	123		100	200	ok
B6. Non-Investment Grade alloc	0%			10%	ok
B7. Out of index sector alloc	1%			10%	ok
B7. TIPS allocation	1%			20%	ok
E2. Annual Turnover (ex TBA rolls)	27%		80%	120%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines				☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

Annual Turnover (ex TBA rolls)	Portfolio turnover has been below expectations. We don't expect it to shift materially higher in the near-term.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 3,881

Organizational/Personnel Changes

none

Account Turnover

Gained:	Number of Accounts:	1	Total Mkt Value ($m):	$	13.6
Lost:	Number of Accounts:	0	Total Mkt Value ($m):	$	-

Reason(s) for loss:

Clearwater Advisors - PERSI STIF

Cash: Merrill Lynch 0-3 Month Treasury Bill Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Clearwater - PERSI STIF	0.48%	1.41%	5.39%	3.23%	2.31%
ML 0-3 Month T-bill	0.45%	1.35%	5.50%	3.25%	2.21%

Performance Attribution & Strategy Comments

The Fed voted to hold rates steady again in July, but the market continued to look ahead to rate cuts as some economic data reinforced labor softening and inflation improvement. Headline and core inflation both improved considerably month over month with headline declining 0.1% following the downward trend in oil prices while core inflation increased at a slower 0.1% pace helped by moderating housing, auto insurance, and medical services prices, as well as falling airfare. Although more jobs were added in June than expected, a larger two-month downward revision and rising unemployment rate were enough to quell investor concerns about its impact on Fed action.

The U.S. Treasury curve bull steepened in July with the 2, 10, and 30-year yield falling 50, 37, and 26 basis points, respectively. Yields also fell on the very front end of the curve with the 3, 6, and 12-month yield declining 7, 24, and 37 basis points, respectively. The Fed is still on hold for the time being, so SOFR didn't materially change. Investment grade corporate bond spreads widening one basis point during the month with shorter duration and higher quality outperforming as volatility leaked higher.

Portfolio Guideline Compliance

Portfolio Guideline:	Clearwater	Min	Max	Compliance
B2a. Sector Allocations:	100%			
Treasuries	**33%**	0%	100%	ok
Agencies	**5%**	0%	100%	ok
Corporates	**19%**	0%	100%	ok
Mortgage Backed Securities (MBSs)	**0%**	0%	60%	ok
Asset Backed Securities (ABSs)	**6%**	0%	40%	ok
Cash	**3%**	0%	100%	ok
Commercial Paper	**33%**	0%	100%	ok
B2b. Quality: Securities must be rated investment grade by S&P or Moody's at time of purchase				ok
B2c. Effective Duration <=18 months	**2**		18	ok
B2d. Number of securities	**49**	10	50	ok
B3a. Allocation of corporate securities to one issu	**4%**		5%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Manager Style Summary

The enhanced cash portfolio was created with the expectation that the portfolio will generate returns similar to, or in slight excess of, the Mellon Short-Term Investment Fund (STIF), while providing PERSI with an increased level of transparency into the cash portfolio.

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D.B. Fitzpatrick & Co., Inc. - Idaho Commercial Mortgages

Domestic Fixed: BB Mortgage Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Idaho Commercial Mortgages	2.02%	4.81%	6.58%	-0.40%	2.05%
BB Mortgage	2.64%	5.91%	4.89%	-2.28%	-0.32%

Portfolio Summary

Market Value: $ 858,603,810

Originations/Payoffs		
Month:	$	14,393,791
YTD:	$	25,714,078
Payoffs:	$	-

Delinquencies/REOs		$ Amt	% of Portfolio
30 days	$	-	0.00%
60 days	$	-	0.00%
90 days	$	-	0.00%
120+ days	$	-	0.00%
REOs	$	-	0.00%

Performance Attribution & Strategy Comments

The Idaho Commercial Mortgage portfolio has outperformed its benchmark by 169 basis points during the last year and 237 basis points (annualized) during the last five years. Outperformance over longer time periods is driven by the portfolio's low delinquency rate and coupon advantage vis-à-vis the benchmark.

July was a strong month for loan production with originations of $14.4m, though year-to-date origination numbers remain modest. There are signs that interest rates may have peaked, with the U.S. bond market pricing in a Federal Reserve rate cut as soon as September. Any rate cuts should help stabilize commercial real estate pricing, but it may take time and prolonged stability to unlock commercial real estate investors' dry powder that has been building on the side-lines. We do anticipate an increase in transactions in the months ahead, with bid-ask spreads in the local commercial real estate market narrowing. Idaho is quite attractive in the eyes of many investors, and interest in the local market remains high.

The commercial mortgage portfolio (272 individual loans with an average size of $3.4m) continues to perform well, with no delinquencies or real estate owned (REO) properties. Additionally, we see no signs of significant trouble with any of the loans in the portfolio.

Manager Style Summary

The Idaho Commercial Mortgage portfolio is managed by DBF and consists of directly owned Idaho commercial mortgages. DBF oversees the origination process, the monitoring of the portfolio, and services 50% of the portfolio.

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D.B. Fitzpatrick & Co., Inc. - MBS Portfolio

Domestic Fixed: Bloomberg Barclays Mortgage Benchmark

For the month of: July 2024

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
DBF MBS	2.55%	6.08%	5.41%	-2.36%	-0.38%
BC Mortgage	2.64%	5.91%	4.89%	-2.28%	-0.32%

Portfolio Attributes

Characteristics	DBF	BC Mtg
Market Value ($ m)	$163.03	N/A
Weighted Average *Effective* Duration (in years)	5.9	5.9
Weighted Average Yield (in %)	4.8%	4.9%
Weighted Average Coupon (in %)	3.4%	3.2%

Performance Attribution & Strategy Comments

U.S. Treasury bond yields fell in July, as more data indicated that the U.S. economy is slowing. The U.S. unemployment rate has ticked up in recent months to 4.3%, while consumer confidence has fallen. For several quarters the bond market has been forecasting a slowdown for the economy (as evidenced by the persistently inverted Treasury yield curve), and bond investors are increasingly convinced that this forecast is finally beginning to play out. The 2-year Treasury yield fell 50 basis points in July to 4.26%, as bond investors began pricing in faster cuts to the U.S. Federal Reserve's main policy interest rate. By the end of July, Treasury futures markets were forecasting three 25 basis point cuts to the fed funds rate by the end of the year, with a high likelihood that the first cut will occur in September. Treasury yields fell across the curve in July, with the 10-year yield down 37 basis points to 4.03% and the 5-year yield down 46 basis points to 3.91%.

U.S. agency mortgage-backed security (MBS) option-adjusted spreads fell in July despite increased interest rate volatility. We continue to see good value within MBS, as most of that market (by trading at a significant discount to par value) has diminished prepayment risk compared to that of normal market conditions. Corporate bond spreads, on the other hand, are tight by historical standards and are vulnerable to widening should the economy weaken further and stock market volatility increase.

PERSI's agency MBS portfolio has returned 5.41% during the last 12 months, outperforming its benchmark by 52 basis points. The portfolio is slightly up in coupon compared to its benchmark.

Manager Style Summary

DBF's MBS (Mortgage Backed Security) portfolio is a "core" holding which attempts to generally track the returns of the Barclays Capital Mortgage Index. Excess returns are added through security selection and interest rate bets, although such bets are expected to be limited and relatively low-risk. DBF also manages the Idaho Mortgage Program in conjunction with this portfolio -- the MBS portfolio serves as a "cash reserve" of sorts, to fund mortgages managed through the Idaho Mortgage Program. Consequently, we expect this portfolio to hold traditional MBS instruments and to maintain a reasonably healthy status, with no significant bets which could go significantly awry.

D.B. Fitzpatrick & Co., Inc. - MBS Portfolio
Domestic Fixed: Bloomberg Barclays Mortgage Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:		DBF	Min	Max	Compliance
B2. Minimum portfolio size		$163	$50		ok
B2a. Security Type:					
MORTGAGE RELATED		100%	80%	100%	ok
Generic MBSs		100%	75%	100%	ok
GNMAs		5%			
FNMAs		57%			
FHLMCs		38%			
CMOs		0%	0%	25%	ok
NON-MORTGAGE RELATED		0%	0%	20%	ok
Treasuries		0%	0%	20%	ok
Agencies		0%	0%	20%	ok
Cash		0%	0%	10%	ok
Attributes:	BB Mtg				
Duration	5.9	5.9	3.9	7.9	ok
Coupon	3.2%	3.4%	2.2%	4.2%	ok
Quality	AAA	AAA	AAA		ok
B3. Individual security excl Treasuries as a % of portfolio			0%	5%	ok
B4. Number of securities		78	25	50	check
E2. Annual Turnover		17%	0%	25%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines				☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B4. Number of Securities: Number of securities is greater than 50 due to cash flow activity from the commercial mortgage portfolio.

Total Firm Assets Under Management ($m) as of:	Qtr 2	$	1,321

Organizational/Personnel Changes

There were no organizational or personnel changes in July.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$	-
Lost:	Number of Accounts:	0	Total Market Value ($m):	$	-
	Reason(s):	N/A			

Donald Smith & Co., Inc.

Domestic Equity: Russell 3000 Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Donald Smith & Co.	9.72%	15.11%	42.07%	28.37%	22.01%
Russell 3000	1.86%	9.97%	21.07%	8.11%	14.23%

Portfolio Attributes

Characteristics	DSCO	RU 3000
Mkt Value ($m)	845.01	N/A
Wtd Cap ($b)	15.22	840.39
P/E	8.96	25.18
Beta	1.03	N/A
Yield (%)	1.79	1.30
Earnings Growth		

Sector Analysis

Over-weight	DSCO	RU 3000
Financials	38.21%	10.88%
Materials	21.98%	1.74%
Cons. Discret.	16.37%	13.81%

Under-weight	DSCO	RU 3000
Info Technology	0.00%	34.65%
Health Care	0.00%	11.38%
Cons. Staples	0.00%	4.25%

Performance Attribution & Strategy Comments

The account's appreciation of +9.7% was ahead of all three indices (Russell 3000 Value +5.5%; Russell 3000 +1.9%; S&P 500 +1.2%). Markets experienced a reversal of many of the trends seen earlier throughout the year as small cap stocks outperformed large cap and value outperformed growth stocks. Inflation showed further signs of cooling. Except for two detractors (Ternium -7.6%; General Motors -4.6%), our holdings appreciated significantly. Among the top contributors were the homebuilders (M/I Homes +36.6%; Beazer +22.5%; Taylor Morrison +21.0%) as the builders started reporting earnings. While home affordability took another hit as home prices hit a record high in June which, coupled with elevated mortgage rates, explains the sluggish spring selling season, the builders reported strong margins. Both steelmakers rose strongly (Algoma Steel +27.2%; US Steel +8.7%). There were headlines that Cleveland-Cliffs had entered into an agreement to acquire Stelco Holdings, an integrated steelmaker based in Canada, at a significant premium. This transaction would have positive implications for the industry, but particularly for a manufacturer like Algoma. Also on the metal side, most of the gold miners appreciated (Eldorado +14.7%; IAMGOLD +9.9%; Equinox Gold +7.5%; Kinross +3.1%) as gold prices rose nearly 6% for the month, just shy of $2500 / oz. Both AerCap (+0.8%) and JetBlue (+5.3%) contributed positively. Financial holdings were positive across the board (Radian +19.3%; Jackson Financial +18.6%; Siriuspoint +17.8%; Jefferies +17.5%; NMI Holdings +15.6%; Unum +12.6%; Genworth +12.1%; AIG +6.7%; Citigroup +2.2%; Corebridge +1.5%). We added to General Motors, Park Hotels, and Ternium, while reducing Jefferies, M/I Homes, and Taylor Morrison. Kinross Gold is no longer held in the portfolio. There were no other transactions. Insurance, building / real estate, precious metals, financials, industrials, and aircraft leasing / airlines are the largest industry weightings. The portfolio trades at 95% of tangible book value and 7.0x 2-4 year normalized EPS.

Manager Style Summary

Donald Smith & Co manages an all-cap portfolio, employing a bottom-up, deep value investment strategy. They invest in stocks with low P/B ratios and which are undervalued given their long-term earnings potential. Consequently, the portfolio will consist of securities wtih higher dividend yield and lower P/B and P/E ratios relative to the market. This is a concentrated portfolio, consisting of approximately 15-35 issues, and as a result, may experience more volatility than the market.

Donald Smith & Co., Inc.
Domestic Equity: Russell 3000 Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	DSCO	RU 3000	Calc	Min	Max	Compliance
B2. Security Market Cap (in $m) > $100 m @ purchase						ok
B3. Security Positions <= 15% @ purchase						ok
B4. Number of issues	33			15	35	ok
B5. Portfolio Characteristics						
P/B	0.95	4.45	21%	30%	100%	check
P/E (1 Year Forward)	8.96	25.18	36%	50%	100%	check
Dividend Yield	1.79	1.30	138%	50%	150%	ok
F2. Commissions not to exceed $0.05/share; explanation required for commissions >$0.07/share						ok
F3. Annual Turnover	27%			20%	40%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B5. P/B: Our primary approach is to buy low P/B stocks selling at discounts to tangible book value.

B5. P/E (1 Yr Forward): We focus on normalized EPS looking out 2-4 years. On this basis, we are significantly below the market.

Total Firm Assets Under Management ($m) as of: Qtr 3 $ 4,353

Organizational/Personnel Changes

N/A

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$	-
Lost:	Number of Accounts:	0	Total Market Value ($m):	$	-
	Reason(s):	N/A			

Income Research & Management (IR+M)

Core Fixed: BB Gov/Credit Bond Index

For the month of: July 2024

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
IR+M	2.25%	4.87%	5.70%	-2.40%	0.99%
BB Gov/Credit	2.24%	4.78%	5.12%	-2.82%	0.35%

Performance Attribution & Strategy Comments

The PERSI portfolio outperformed the Bloomberg Barclays G/C Index, returning 2.25% versus 2.24%. Both security selection & asset allocation aided relative performance. More specifically, the portfolios underweight to Treasuries & selection within Agency RMBS were additive. Equities & credit spreads rallied during the first half of July before giving up some of the gains in the second half of the month, highlighting an increase in risk asset volatility amid significant political events. Annualized GDP growth of 2.8% in 2Q surpassed survey expectations, as did the 206,000 jobs added in the month of June, highlighting continued economic strength. Inflation continued its softening trend, as headline CPI grew by 3.0% and Core CPI grew by 3.3% year-over-year in June, both below expectations & the prior month's figures. At the July FOMC meeting, the Fed held the fed funds target rate steady, but indicated a potential rate cut as early as September given the developments in inflation & labor market data. Market implied probabilities moved in favor of three rate cuts for the remainder of 2024. Treasury yields fell across the curve & the yield curve steepened, as the 2-year Treasury yield fell by 50bps to 4.26%, while the 30-year Treasury yield dropped by 26bps to 4.30%. Investment-grade issuers supplied $118 billion of new bonds in July, shattering dealer expectations of $85 billion; issuance was dominated by the Financials sector, which accounted for almost 62% of the total issuance. Corporate spreads tightened by 1bp to 93bps, while yields ended the month down 34bps at 5.14%. The high-yield (HY) primary market experienced the busiest July since 2021 with $20 billion pricing during the month; with five full months left in the year, year-to-date issuance of $179 billion has already surpassed last year's total of $176 billion. The Bloomberg HY Index posted positive returns for the third consecutive month & outperformed the S&P 500 in July, as yields dropped by 32bps from 7.91% to 7.59% and spreads widened by 5bps to 314bps. CMBS spreads remained stable despite an uptick in credit rating downgrades & an influx of supply; the sector saw its highest month of issuance of the year with roughly $13 billion of new deals priced. Municipal bonds saw positive returns in July, but still lagged Treasury performance by 128bps; the 10-year Muni/Tsy ratio rose by 3% to 68%.

Total Firm Assets Under Management ($m) as of: Qtr 3 $ 105,162

Organizational/Personnel Changes

N/A

Manager Style Summary

IR+M's investment philosophy is based on the belief that careful security selection and active portfolio risk management provide superior returns over the long term. Utilizing a disciplined, bottom-up investment approach, IR+M adds value through security selection by seeking attractive, overlooked, and inefficiently priced issues.

Income Research & Management (IR+M)

Core Fixed: BB Gov/Credit Bond Index

Portfolio Guideline Compliance

Portfolio Guideline:	IR+M	BB G/C	Min	Max	Compliance
B2. Effective Duration:	6.2	6.3	5.8	6.8	ok
B3. Sector Diversification:					
Government	40%	61%	31%	91%	ok
Treasuries	37%	60%	30%	90%	ok
Agencies	0%	1%	-4%	6%	ok
Govt Guaranteed	3%	0%	-10%	10%	ok
Credit	40%	38%	18%	58%	ok
Financial	15%	11%	-4%	26%	ok
Industrial	20%	19%	4%	34%	ok
Utility	4%	3%	-7%	13%	ok
Non-Corporate	0%	4%	-6%	14%	ok
Securitized					
RMBS	1%	0%	-10%	10%	ok
ABS	9%	0%	-10%	10%	ok
CMBS	6%	0%	-10%	10%	ok
Agency CMBS	2%	0%	-5%	5%	ok
Municipals	2%	1%	-9%	11%	ok
B4. Issuer Concentration: <=5% all corporate issuers				5%	ok
B5. Number of positions	232		100	175	check
B6. Non-Investment Grade alloc	0%			5%	ok
E2. Annual Turnover	37%		25%	75%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines				☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B5. Number of Positions: Due to volatility, we positioned the portfolio to take advantage of attractive opportunities.

Account Turnover

Gained:	Number of Accounts:	0	Total Mkt Value ($m):	$	-
Lost:	Number of Accounts:	0	Total Mkt Value ($m):	$	-

Reason(s) for loss: IR+M did not gain or lose any accounts in the G/C Strategy this month.

Longview Partners

Global Equity: MSCI ACWI Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Longview	2.92%	6.87%	14.45%	7.01%	10.70%
MSCI ACWI	1.61%	8.09%	17.02%	5.75%	11.04%

Performance Attribution & Strategy Comments

Roughly two thirds of the portfolio released earnings in July, with the majority of portfolio companies maintaining or raising guidance for the full year. Some of the most significant contributors to relative performance were IQVIA, HCA Healthcare and UnitedHealth.

IQVIA outperformed as it reported better-than-expected performance in its Technology & Analytics Solutions (TAS) business. TAS revenues rose by 3.8% year on year, exceeding consensus estimates, and improving on the prior quarter. The company raised its overall revenue guidance for the full year.

HCA Healthcare released its second quarter results in July, with same-facility revenues growing by 10% in the quarter, reflecting a rise in the share of commercially-reimbursed patients. The company raised its full year earnings per share guidance by nearly 9%.

UnitedHealth performed well as the company reported that group revenue rose 6.5% year on year on the back of growing demand across the business. The company re-affirmed its November 2023 adjusted earnings per share guidance excluding the increase in direct costs associated with February's cyber-attack on its subsidiary, Change Healthcare.

Among the largest detractors were Microsoft, Heineken and Booking.

Microsoft underperformed in the month along with other large technology names as the market became concerned over the returns on big tech investments in artificial intelligence (AI). The company reported solid fourth quarter results after the close on the penultimate day of the quarter although growth in their Azure cloud business was slightly below expectations. Microsoft is one of the few big tech companies that is directly monetizing AI investments through their Copilot product.

Heineken released half-year results which disappointed the market. Management cited poor weather in Europe and a smaller-than-expected boost from sporting events as drivers of weakness in June and July. The company also narrowed their full year guidance from between 'low and high single digit' operating profit growth to between 4% and 8%. This disappointed consensus expectations, which were for 8.2% growth.

Booking underperformed in the quarter amid market concerns over a slowdown in growth in travel spending amid a weaker consumer environment and following the significant post-Covid recovery in travel.

Manager Style Summary

Longview is a "bottom-up" manager, whose process is driven by individual security selection. Country allocations are a by-product of the stock selection process, which drives the portfolio country over and under weights, and is unconstrained by the index weights. The portfolio holds 30-35 securities at a time, and stocks are equally weighted. It is a concentrated global equity portfolio, and as such, may experience more volatility relative to the market.

Longview Partners
Global Equity: MSCI ACWI Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Longview	Min	Max	Compliance
B3. Security position <= 5% of the account @ purchase				Yes
B4. Number of issues	29.0	30	35	check
B5. Normal Regional Exposures (* benchmark -/+ min/max):				
United States & Canada	85%	35%	80%	check
Europe incl U.K.	15%	20%	50%	check
Japan	0%	0%	20%	ok
Emerging Markets	0%	0%	15%	ok
Non-Index Countries	0%	0%	10%	ok
Total	100%			
B6. Normal Global Portfolio Characteristics				
Median Mkt Cap (in billions)	109,450	$10		ok
Price/Earnings (Trailing)	26.0	10	17	check
Dividend Yield	1%	0.5%	2.0%	ok
Price/Cash Flow (Trailing)	17.4	10	14	check
C1. No executed forward w/o a corresponding securities position.				Yes
C2. Foreign Currency (cash or cash equiv) <= 8% of Account value				Yes
F2. Brokerage commissions not to exceed $0.06/share for U.S. equities				Yes
F3. Annual turnover	16%	25%	50%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B4. Number of Issues: Number of issues is not targeted and stood at 29 in July.

B5. Regional Exposures: The output of our investment process is a concentrated, yet diversified, portfolio of typically 35 names, unconstrained by geography or sector.

B6. Price/Earnings: Price/Earnings is not targeted and stood at 26.0 in July.

B6. Price/Cash Flow: Price/Cash Flow is not targeted and stood at 17.4 in July.

F3. Annual Turnover: We do not target a specific level of turnover. Annual turnover is calculated on a rolling 12 month period and includes client flows.

Total Firm Assets Under Management ($m) as of: Qtr 3 $ 17,133

Organizational/Personnel Changes

There were no changes to the investment team in July.

Account Turnover

Gained:	Number of Accounts:	1	($m):	$	772.3
Lost:	Number of Accounts:	0	($m):	$	-
	Reason(s):				

Mondrian Investment Partners
International Equity: MSCI EAFE Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Mondrian	5.77%	6.84%	14.29%	6.50%	7.54%
MSCI EAFE	2.93%	5.19%	11.21%	3.63%	7.36%

Country Allocation Comparison

Over-weight	Mondrian	EAFE	Under-weight	Mondrian	EAFE
UK	23.54%	15.08%	Australia	1.38%	7.41%
Italy	6.77%	2.70%	Switzerland	4.95%	9.88%
Singapore	4.91%	1.36%	France	7.48%	11.18%

Performance Attribution & Strategy Comments

International equity markets were strong in July. Asia Pacific markets outperformed, helped by the sharp appreciation of the Japanese yen, rising 7% as the Bank of Japan hiked interest rates. The financials sector outperformed, driven by Japanese financials. Conversely, the IT sector lagged, following very strong returns in the first half of the year. This weakness was partly driven by press reports that the US administration could seek to impose new export control rules, impacting sales of semiconductor production equipment to China.

In a strong month for the value style, the portfolio outperformed the market. Relative returns were driven by strong stock selection in the health care and IT sectors. Sandoz, the Swiss generics and biosimilars company, was buoyed by strong demand for its biosimilar version of Humira in the US. Fujitsu, the Japanese IT services provider, outperformed on strong earnings as core domestic IT services margins continued to rise.

The portfolio also benefitted from the underweight position in the weak Danish equity market and the overweight position in the strong utilities sector.

Manager Style Summary

Mondrian (formerly Delaware International) employs a top-down/bottom-up approach, with focus on security selection. The firm identifies attractive investments based on their fundamental, long-term flow of income. Dividend yield and future growth prospects are critical to the decision making process. The portfolio is expected to be fairly concentrated (40-60 securities), with a value bias. As such, we can expect the portfolio characteristics to exhibit low P/B, low P/E and high dividend yield ratios relative to the market.

Mondrian Investment Partners

International Equity: MSCI EAFE Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Mondrian	Calc	Min	Max	Compliance
B3. Security position <= 5% of the account @ purchase						ok
B4. Number of issues		51		40	60	ok
B5. Normal Regional Exposures:						ok
United Kingdom		24%		0%	45%	ok
Europe ex U.K.		39%		0%	75%	ok
Japan		24%		0%	45%	ok
Pacific ex Japan		11%		0%	40%	ok
Non-Index Countries		1%		0%	20%	ok
Cash		1%		0%	5%	ok
Total		100%				
B6. Normal Portfolio Characteristics						
Capitalization	97,248	62,421	64%	25%	100%	ok
Price/Book Value	1.9	1.3	68%	50%	125%	ok
Price/Earnings (Trailing)	15.5	12.1	78%	50%	100%	ok
Price/Cash Flow	10.0	6.5	65%	50%	100%	ok
Dividend Yield	3.0	3.9	129%	100%	200%	ok
C1. Currency or cross-currency position <= value of hedged securities						ok
No executed forward w/o a corresponding securities position.						ok
C2. Max forward w/ counterpart <= 30% of total mv of account						ok
F2. Annual turnover		17%			40%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 42,543

Organizational/Personnel Changes

No Changes.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m)	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m)	
	Reason(s):			

Mountain Pacific Investment Advisers

Domestic Equity: Russell 2500 Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Mountain Pacific	5.41%	9.23%	23.75%	5.51%	12.08%
Russell 2500	7.43%	10.22%	13.06%	2.72%	9.64%

Portfolio Attributes

Characteristics	Mtn Pac	RU 2500
Mkt Value ($m)	755.23	N/A
Wtd Cap ($b)	30.36	7.23
P/E	23.72	19.10
Beta	0.96	1.00
Yield (%)	0.88	1.42
Earnings Growt	11.80	13.24

Sector Analysis

Over-weight	Mtn Pac	RU 2500
Capital Goods	52.96%	21.56%
Materials	5.43%	4.12%

Under-weight	Mtn Pac	RU 2500
Cons. Cyclical	1.86%	14.70%
Real Estate	0.00%	6.97%
Energy	0.00%	5.70%

Performance Attribution & Strategy Comments

July supplied further evidence of cooling inflation and a gradually softening economy. June core CPI and core PCE ex-housing releases were tame at 0.1% and 0.2% m/m, and commodities declined broadly, likely on China weakness. ECI indicated lower wage pressure. Jobless claims also printed notably higher during the month. Accordingly, Fed officials signaled greater openness to an initial ease at the September FOMC meeting. Powell tellingly refocused on the growth element of the dual mandate at the FOMC press conference. Equity sector rotation ensued; small cap stocks handily outperformed large caps. The Treasury curve bull steepened with two year note yields falling 50 bps.

The portfolio rose 5.41% during the month, underperforming our benchmark, the RU 2500, by 202 bps. Over the past three months, our portfolio has underperformed the index by 99 bps.

Negative selection in industrials, financials, and information technology was somewhat offset by gains in healthcare. In the rotation, AI-related industrials fell the most and our non-bank financials underperformed banks. Vertiv, which designs and manufactures power, cooling, and IT solutions to data centers and communication networks, fell 9% in July. Vertiv's 2Q earnings release beat expectations, but their 3Q revenue and orders outlook did not meet an arguably high bar. CSW Industrials, a diversified contractor and building supply company, returned 22% over the month, benefited by its small cap status and record margins in a strong end-of-month earnings report.

Our outlook from last month is little changed though more confirmed by July's developments: slowing inflation, a softening economy, and high expectations for corporate earnings. We remain focused on the health of the labor market, which may have showed some cracks in July, and on earnings, which still seem to be on track albeit at odds with a slowing economy.

Manager Style Summary

Mountain Pacific manages a mid-to small-cap portfolio, employing a "GARP" (Growth At a Reasonable Price) investment strategy. Their portfolio holdings and characteristics will wander around the average stock in their benchmark, and they tend to favor companies which do not sell directly to the public and therefore, depend on sales to other businesses. Mountain Pacific runs a more concentrated portfolio than most, and as a result, their returns will diverge more dramatically from their benchmark, and sometimes for sustained periods.

Mountain Pacific Investment Advisers

Domestic Equity: Russell 2500 Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Mtn Pac	RU 2500	Calc	Min	Max	Compliance
B2. Security Market Cap (in $m)				$100.0	$7,500.0	ok
B3. Wtd Avg Cap	30360	7234	420%	80%	120%	check
B4. Number of issues	38			35	55	ok
B5. Security Positions <= 4% @ purchase						ok
B6a. P/E (12-mo trail)	30.58	27.10	113%	80%	120%	ok
B6b. Beta	0.96	1.00	0.96	0.80	1.20	ok
B6c. Yield	0.88	1.42	62%	80%	120%	check
B6d. Expected Earnings Growth	11.80	13.24	89%	80%	120%	ok
E2. Commissions not to exceed $0.06/share						ok
E3. Annual Turnover	8%				60%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B3. Wtd Avg Cap: Our Wtd Avg Cap exceeds that of the benchmark due to price appreciation. The median cap of the portfolio is $12.3 BN.

B6c. Yield: Our yield is below that of the benchmark as we have been adding companies that reinvest more for growth than pay dividends.

Assets Under Management ($m) as of: Qtr 2 $ 1,666

Organizational/Personnel Changes

None

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m	$ -
	Reason(s):	N/A		

Peregrine Capital Management

Domestic Equity: Russell 1000 Growth Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Peregrine	-5.40%	-3.01%	5.45%	-4.45%	8.87%
Russell 1000 Growth	-1.70%	11.21%	26.94%	9.46%	18.41%

Portfolio Attributes

Characteristics	Peregrine	RU 1000G
Mkt Value ($m)	651.59	N/A
Wtd Cap ($b)	476.82	1204.64
P/E	38.03	30.89
Beta	0.98	1.00
Yield (%)	0.27	0.58
Earnings Growth	16.00	12.00

Sector Analysis

Over-weight	Peregrine	RU 1000G
Info Tech	36.25%	28.88%
Comm Srv	6.02%	6.27%
Materials	0.33%	1.12%

Under-weight	Peregrine	RU 1000G
Fin Srv	8.64%	13.44%
Health Care	10.70%	13.04%
Industrials	3.55%	5.70%

Performance Attribution & Strategy Comments

Equity markets began to rotate from the large technology, artificial intelligence-linked stocks which drove benchmark performance in the first half of the year. Investors rotated into small caps, cyclicals, and value-oriented stocks, which all outperformed large cap growth in July. The Mag 7, which dominated so much of the market's performance during the year's first half, were down as a group for the month. Earnings were good for the group, but expectations were lofty.

Second quarter earnings reports of the largest buyers of AI semiconductors (Microsoft and Alphabet in particular) highlighted the timing miss-match between capital investment in AI and monetization/profit acceleration from deploying these investments. A better inflation reading reported in July benefited the broader market as it reinforced the arrival of Fed easing in the fall. Despite this, rising pressures on consumer spending and a weakening labor market are causing worries of a sharper slowdown to come late in the year.

Two portfolio holdings had near-term fundamental missteps accounted for all of Peregrine Large Cap Growth's underperformance during the month. CrowdStrike's mid-month software update caused a major outage of Windows systems globally. DexCom reported a disappointing outlook with second-quarter results after a new product launch and sales team reorganization happening concurrently impacted the results.

Several holdings added to performance with strong second-quarter results and improving outlooks, including: Ares Management, CoStar Group, DoubleVerify, Exact Sciences and Service Now.

We added to the Dexcom position after the earnings report correction. CrowdStrike was trimmed after the update mistake. We trimmed Amazon when it exceeded our maximum holding size.

Manager Style Summary

Peregrine manages a large cap growth equity portfolio, utilizing a "bottom up" strategy, and focusing more on the future growth prospects of a firm rather than current earnings. We can expect the P/E and P/B ratios to be slightly higher than that of the market, stock volatility to be slightly higher than the market, and dividend yield to be lower than average. Their style encourages overweight positions in traditional growth sectors such as technology, retail, business services, and financial services. Due to the concentrated nature of the portfolio, it will tend to be more volatile than more diversified portfolios.

Peregrine Capital Management
Domestic Equity: Russell 1000 Growth Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	S&P 500	Peregrine	Calc	Min	Max	Compliance
B2. Security Market Cap > $1 billion						ok
B3. Security position <=5% @ purchase, excluding contributions						ok
B4. Number of issues		27		25	35	ok
B5. P/B	4.68	8.77	1.9	1.2	2.0	ok
B5. P/E (Projected)	22.85	38.03	1.7	1.0	2.0	ok
B5. Dividend Yield	1.30	0.27	0.2	0.1	0.8	ok
B5. Beta	1.00	1.10	1.1	1.10	1.35	ok
B5. Earnings Growth (5-year)		16%		11%	22%	ok
F2. Commissions not to exceed $0.05/share						ok
F3. Annual Turnover		13%		15%	30%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F3. Annual Turnover: Our normalized turnover remains approximately 20%. We expect 2024 to be above 15%.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 4,753

Organizational/Personnel Changes

There were no organizational or personnel changes during the month.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$ -
Lost:	Number of Accounts:	1	Total Market Value ($m):	$ 1.1
	Reason(s):	Moving as a result of successorship		

PineStone

Global Equity: MSCI World Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
PineStone	1.09%	7.80%	N/A	N/A	N/A
MSCI World	1.76%	8.47%	N/A	N/A	N/A

Performance Attribution & Strategy Comments

Global equity markets experienced positive performance over the month of July, reversing the losses that we saw in June and continuing the strong absolute returns for 2024. Elections in France and in the UK brought increased volatility but were well received by the market. The Nikkei 225 hit new record highs driven by the technology sector and positive sentiment from global markets. US equity markets posted gains in July, continuing 2024's broader positive trend. Economic data was generally positive with retail sales, employment data and CPI pointing to a healthy economy with easing inflation pressures.

The Fund was up in absolute returns and underperformed relative to its benchmark, the MSCI World Index, over the period. The underperformance over the month of July was driven primarily by security selection in Information Technology, Consumer Discretionary and Communication services. Conversely, security selection in Materials and Health Care sectors positively contributed to performance.

Among the top relative detractors over the month of July were Taiwan Semiconductor Manufacturing Co. (TSMC) and Alphabet Inc.

Among the top relative contributors over the period were Moody's and Sherwin-Williams Company.

During the month, we exited our position in Nike, using the proceeds of the sale to initiate a position in ASML Holding NV. We think that ASML Holdings NV represents a better opportunity due to its position as a pivotal company in the semiconductor manufacturing sector. The company is a dominant supplier for the most important semiconductor machine used by all the large semiconductor manufacturers. We anticipate strong growth in the coming years to come from Artificial Intelligence (AI), growth in the semiconductor industry and geopolitical risk (reshoring of semiconductor manufacturing). As for Nike, a recent heightened focus on its direct-selling strategy, digital platform as well as the Lifestyle segment led to recent execution issues making ASML a better opportunity in the Global fund. The Fund is currently overweight (relative to the MSCI World) in the Consumer Discretionary and Financials sectors while underweight in the Energy, Information Technology, and Utilities sectors. Sector weights are an output of the Investment Team's views on the bottom-up fundamentals of each portfolio company.

Manager Style Summary

PineStone is a "bottom-up" manager, whose process is driven by individual security selection. They invest in quality companies and seek to consistently compound shareholder wealth at attractive rates of return over the long term while preserving capital. Country and sector exposures are by-products of the security selection process. The portfolio consists of roughly 30-50 securities at a time. It is a concentrated global equity portfolio, and as such, may experience more volatility relative to the market.

PineStone

Global Equity: MSCI World Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	PineStone	Calc	Min	Max	Compliance
B3. No more than 10% of the account shall be invested in any one security @ purchase						Yes
B4. Number of issues		31		25	50	ok
B5. Issuer market capitalization: above $1 billion @ purchase						Yes
B6. Normal Regional Exposures (* benchmark -/+ min/max):						
North America		66%		30%	80%	ok
Japan		2%		0%	30%	ok
Europe ex UK		16%		10%	50%	ok
UK		7%		0%	50%	ok
Pacific ex Japan		0%		0%	30%	ok
Emerging Markets		9%		0%	20%	ok
Non-Index Countries		0%		0%	20%	ok
Total		100%				
B7. Normal Global Portfolio Characteristics						
ROE	12.3	26.5	215%	100%		ok
ROIC	10.2	31.5	309%	100%		ok
Price/Earnings	20.5	26.3	128%	50%		ok
Price/Book Value	3.3	7.9	238%	50%		ok
Price/Cash Flow	14.1	22.4	159%	50%		ok
Dividend Yield	1.7	1.3	73%	25%		ok
Market Capitalization	674,440	584,809	87%	25%		ok
C2. Max value of forwards w/single counterpar		0%			30%	ok
C3. Cash/cash equiv in non-USD currencies		0%			10%	ok
F2. Brokerage commissions not to exceed $0.05/share for U.S. equities						Yes
F3. Annual turnover		0%		10%	20%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F3. Annual Turnover: As the account inception was in April 2024, there is no annual turnover data available to date.

Total Firm Assets Under Management ($m) as of: Qtr 2 $53,456.37 M

Organizational/Personnel Changes

Hiring of Claudia Gourde as General Counsel & Chief Operating Officer, effective January 29, 2024. She joined the firm's Management Committee and reports to PineStone's CEO and CIO, Nadim Rizk.

Account Turnover

Gained:	Number of Accounts:	10	Total Market Value ($m):	$1,390.81 M
Lost:	Number of Accounts:	0	Total Market Value ($m):	$ -
	Reason(s):			

Pzena

Global Equity: MSCI ACWI Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Pzena	6.23%	N/A	N/A	N/A	N/A
MSCI ACWI	1.61%	N/A	N/A	N/A	N/A

Performance Attribution & Strategy Comments

After dominating the market returns for some time, and particularly in the first half of 2024, the mega-cap growth stocks succumbed to profit-taking in July as some of their positive narratives began to falter on earnings and guidance disappointments / comments. This saw a reversal in growth stocks' fortunes relative to value names globally, opening up a 5%+ relative performance gap for the month as market volatility picked up from recently subdued levels. The reversal of the markets' leadership saw the communication services and information technology sectors underperform markedly in July, while the top performing sectors were real estate, utilities (on renewed expectations for lower interest rates), financials, and the more cyclical sectors (industrials and materials). Health care also outperformed this month.

The Pzena Global Focused Value portfolio rose and outperformed the MSCI ACWI Index which rose modestly. Our relative outperformance was driven mostly by stock selection, specifically within the information technology, financials, and communication services sectors.

Shares of Charter Communications, a pure-play U.S. cable communications business, rose on the back of a strong earnings report. The stock was impacted early in 2024 by uncertainty around funding for the Affordable Connectivity Program (ACP), which subsidized internet subscriptions for lower-income households. Now that the ACP has ended, Charter instituted a number of measures that minimized subscription losses. Korean lender Shinhan Financial Group posted solid results and reaffirmed its dividend while announcing a continuation of share buybacks. Shinhan shares have surged in 2024 due to improved capital returns. IT service provider Cognizant Technology Solutions rose on a read-through from a competitor's earnings report. The competitor's results suggested that corporate spending on IT projects might be reaching a bottom.

After surging in recent months, China Overseas Land & Investment, the large partially state-owned homebuilder, gave back some of its recent gains, as the property market remains uncertain in China. German chemical producer BASF reported a slight earnings miss due to weakness in the agricultural chemicals segment. Health insurer Humana reported a solid earnings report during the month. However, the company maintained full-year guidance, citing growth in inpatient admissions during June and July. Shares declined as Medicare Advantage pricing bids for 2025 have already been submitted. So, elevated inpatient admissions moving forward could keep medical costs high.

Manager Style Summary

Pzena will manage a global, focused deep value fund. The firm seeks investments with skewed potential outcomes via a concentrated portfolio of deeply undervalued businesses. A quantitative screen filters for low price-to-normal earnings level and current earnings depressed to historical norms. Fundamental research is performed to determine if the problem is temporary and not permanent, if the company's business is good and assesses the downside risks. It's a bottom-up process that focuses on the cheapest quintile. After an initial review a full research project will be performed. Initial position size is based on valuation, risk, and diversification. The number of holdings is expected to be between 40 - 60.

Pzena

Global Equity: MSCI ACWI Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Pzena	Calc	Min	Max	Compliance
B3. No more than 5% of the account shall be invested in any one security @ purchase						Yes
B4. Number of issues		52		40	60	ok
B5. Normal Regional Exposures (* benchmark -/+ min/max):						
Emerging Markets	10%	7%		0%	25%	ok
Europe ex UK	11%	29%		0%	41%	ok
Japan	5%	1%		0%	35%	ok
North America	67%	50%		30%	97%	ok
United Kingdom	3%	12%		0%	33%	ok
Other	3%	1%		0%	33%	ok
Total		100%				
B6. Normal Global Portfolio Characteristics						
Capitalization	597791	62550	10%	10%	80%	ok
Price/Book Value	3.1	1.2	39%	20%	100%	ok
Price/Earnings	20.5	11.8	58%	20%	120%	ok
Dividend Yield	1.9	3.4	183%	75%	200%	ok
B7. Price/Normalized Earnings in Q1		88%		60%	100%	ok
C2. Max value of forwards w/single counterpar		0%			30%	ok
C3. Cash/cash equiv in non-USD currencies		2%			10%	ok
F2. Brokerage commissions not to exceed $0.035/share for U.S. equities						Yes
F3. Annual turnover		-		20%	40%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F3. Annual Turnover: As the account was incepted on April 22, 2024, there is no annual turnover data available yet.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 64,102

Organizational/Personnel Changes

Effective July 1, 2024, Daniel Babkes joined the portfolio management team on our Large Cap strategies.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$	-
Lost:	Number of Accounts:	0	Total Market Value ($m):	$	-

Reason(s): Account gains and lost information is not available for July 2024.

Sprucegrove

International Equity: MSCI EAFE Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Sprucegrove	4.35%	4.21%	-	-	-
MSCI EAFE	2.93%	5.19%	-	-	-

Performance Attribution & Strategy Comments

April 22, 2024 inception date.

The Fund performed better than the index in July. International equity markets* were stronger, after softer inflation data from the U.S. supported renewed hopes of rate cuts by the Federal Reserve. This should provide room for rate cuts in other markets and relieve currency pressures. There was broader participation in the markets than we had seen so far in 2024, benefitting smaller capitalization stocks.

Security selection was largely positive but partially offset by the impact of sector allocation, mainly the underweight positions in Financials and the smaller interest rate-sensitive sectors (Utilities, Real Estate).

From a sector perspective, stock selection in Health Care was the top contributor, with gains in Swiss pharmaceutical holdings Roche and Sandoz. Stock selection in Technology, Consumer Discretionary, and Industrials also contributed positively, on relative strength from most holdings. Underweight and stock selection in Financials was the only meaningful detractor.

From a country perspective, stock selection in the U.K. was the strongest, as smaller capitalization holdings rebounded. Stock selection in Switzerland was also positive, while exposure to Emerging Markets detracted modestly.

*MSCI EAFE

Manager Style Summary

Sprucegrove will manage an international equity portfolio. The bottom-up process seeks ownership of quality and value with a long-term focus (low turnover). Sprucegrove seeks investments that provide a margin of safety on quality via above average and consistent profitability, sustainable competitive advantages, financial strength, business growth opportunities and capable management. An investment must meet both quality and attractive value characteristics.

Sprucegrove

International Equity: MSCI EAFE Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Sprucegrv	Min	Max	Compliance
B2. Security position <= 5% of the account @ purchase				Yes
B4. Number of issuers	72.0	40		ok
B6. Largest single industry group exposure (by GICS)	21%	0%	25%	ok
B7. Number of sectors in portfolio	11	7	11	ok
B8. European country exposure (# of countries)	10	3		ok
B8. Asia/Pacific country exposure (# of countries)	4	3		ok
B9. Normal Country Exposures				
Japan	16%	5%	50%	ok
United Kingdom	20%	10%	50%	ok
Canada	4%	0%	10%	ok
United States (not permitted)	0%	0%	0%	ok
Other MSCI EAFE Individual Country (not listed above)	10%	0%	15%	ok
Total non-MSCI EAFE Country, exclude Canada	14%	0%	15%	ok
Total non-MSCI EAFE Country, include Canada	18%	0%	20%	ok
C3. Maximum value of forward w/single counterparty	0%	0%	30%	ok
C4. Foreign Currency (cash or cash equiv) <= 5% of Account value				Yes
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Total Firm Assets Under Management ($m) as of: Qtr 2 $17,295.0 Million USD

Organizational/Personnel Changes

Two Investment Analysts departed the firm during Q2 2024. There is no impact on PERSI's account regarding the departures.

Account Turnover

Gained:	Number of Accounts: 2	($m):	$402.3 Million USD
Lost:	Number of Accounts: 1	($m):	$5.6 Million USD
	Reason(s): Change in Consultant.		

Walter Scott & Partners Limited

Global Equity: MSCI World Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Walter Scott	0.66%	5.51%	13.96%	4.68%	11.49%
MSCI World	1.76%	8.47%	18.34%	6.85%	12.06%

Performance Attribution & Strategy Comments

From a sector perspective, the portfolio's industrials stocks, such as ODFL and Ferguson, were strong in absolute terms and, leading their benchmark counterparts, were the primary relative contributors. Healthcare holdings detracted notably from both absolute and relative return, with Edwards Lifesciences particularly weak. A lower than benchmark exposure to the strong financials sector, along with stock underperformance detracted further in relative terms.

From a geographic viewpoint, the portfolio's Europe ex UK companies, in particular ASML and Novo Nordisk, detracted the most from absolute and relative performance.

The consensus view on the global economic outlook remains one of modest growth, with the Federal Reserve expected to cut interest rates in view of stabilising inflation, while the European Central Bank will likely announce further monetary easing given the relative lack of economic vigour in the region. However, risks remain that the cumulative effects of high inflation still have the potential to undermine consumer spending power, while the extent and pace of interest rate cuts may disappoint investors if core inflation remains stubborn. There has been a return to normalised monetary policy, and any forthcoming reduction in interest rates will not represent a return to the days of ultra-cheap money. Against a backdrop of lingering economic uncertainty, investors will pay greater attention to balance sheet rigour. Political tensions, with the US Presidential election looming and the ongoing strife in the Middle East and Ukraine lurking in the background, may also be a source of equity market volatility.

Manager Style Summary

Walter Scott is a "bottom-up" manager whose process is driven by individual security selection. They invest in companies with high rates of internal wealth generation (IRR > 20%) which translates into total return to the investor over time (real return = 7-10%). Country and sector exposures are by-products of the security selection process. This is a concentrated global equity portfolio, and as such, may experience more volatility relative to the market.

Walter Scott & Partners Limited
Global Equity: MSCI World Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	WS	Min	Max	Compliance
A2. Cash balance <= 5% of portfolio market value	2%		5%	ok
B3. No more than 5% of the account shall be invested in any one security @ purchase				Yes
B4. Number of issues	49	40	60	ok
B5. No shares of investment companies or pooled funds sponsored/managed by manager or affiliates				Yes
B6. Normal Regional Exposures (* benchmark -/+ min/max):				
North America	63%	52%	64%	ok
Japan	5%	2%	9%	ok
Europe ex UK	18%	18%	30%	ok
UK	5%	0%	12%	ok
Pacific ex Japan	3%	0%	12%	ok
Emerging Markets	4%	0%	12%	ok
Total	98%			
B7. Normal Global Portfolio Characteristics				
ROE	25%	10%	20%	check
CROCE	31%	20%	30%	check
Operating Margin	17%	15%	25%	ok
Portfolio turnover	0%	0%	20%	ok
Relative P/E	1.3	1.0	1.4	ok
Price/Book Value	7	3	5	check
Price Earnings	29	22	34	ok
Price/Cash Flow	22	13	21	check
Dividend Yield	1%	1%	3%	ok
E2. Brokerage commissions in bps	4	4	13	ok
E3. Annual turnover	9%		30%	ok
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

B7. ROE: Net income has grown faster than shareholder equity for the portfolio's companies in aggregate.

B7. CROCE: Net cash from operating activities has grown faster than capital employed for the portfolio's companies in aggregate.

B7. Price/Book: The price of the portfolio’s holdings increased at a faster pace than the most recently reported book values of the portfolio's companies.

B7. Price/Cash Flow: The price of the portfolio's holdings have increased at a faster pace than the most recently reported cash earnings of the portfolio's companies.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 84,064

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	-
Lost:	Number of Accounts:	1	Total Market Value ($m):	$ 8.6

Reason(s): Client considers account size is no longer viable for segregated.

Organizational/Personnel Changes

There were no organisational changes.

Wasatch Global Investors

Emerging Markets Equity: MSCI EM Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Wasatch	-2.45%	-	-	-	-
MSCI EM	0.30%	-	-	-	-

Country Allocation Comparison

Over-weight	Wasatch	EM	Under-weight	Wasatch	EM
India	34.40%	20.20%	China	6.40%	24.20%
United States	12.20%	0.00%	South Korea	2.80%	12.00%
Brazil	14.50%	4.30%	Taiwan	16.70%	18.70%

Performance Attribution & Strategy Comments

A global selloff in technology shares and concerns about China's economy weighed on emerging-market equities during the latter half of July. The benchmark MSCI Emerging Markets Index returned a mere 0.30% for the month as declines in Taiwan and China offset advances in India, South Africa and Saudia Arabia. The Wasatch Emerging Markets Select strategy declined and underperformed the benchmark.

Taiwan was a primary source of the strategy's underperformance. ASPEED Technology, Inc., a chip stock that had benefited from the recent boom in artificial intelligence (AI), was a significant detractor. Many AI-related stocks pulled back in July on concerns about their high valuations.

Another detractor from performance was Lasertec Corp., a Japanese manufacturer of equipment used to produce advanced semiconductor devices. The stock was part of the global selloff in technology shares fueled by cooling enthusiasm about artificial intelligence.

The strategy is significantly underweighted in China, where a deepening real-estate slump continued to drag down economic growth. While the strategy's underweighting in China was slightly beneficial for the month, the underperformance of the holdings essentially offset that benefit, resulting in a negative contribution.

Brazil was one of the strategy's greatest sources of strength against the benchmark. Investor sentiment improved in July after the government announced spending cuts designed to shore up the nation's public finances. WEG SA was the top contributor to strategy performance for the month. The company manufactures components used to produce and transmit electric power from wind and other sources.

Among sectors, our stock selections in financials and information technology detracted from strategy performance relative to the benchmark during July. Conversely, our selections in industrials and consumer discretionary were advantageous.

Manager Style Summary

Wasatch believes that long-term stock prices are driven by earnings growth. The market's short-term bias presents opportunities to purchase high-quality businesses at a discount to their long-term value. They are patient investors in exceptional companies that can compound earnings over time. The Wasatch Emerging Markets Select strategy is a concentrated, yet diversified growth portfolio of high-quality companies. They use a team based, bottom-up, systematic, approach that seeks to identify companies with outstanding long-term growth potential. Attributes of typical investments include high returns on capital, exceptional management teams, sustainable competitive advantages, and reasonable valuations.

Wasatch Global Investors

Emerging Markets Equity: MSCI EM Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Index	Wasatch	Calc	Min	Max	Compliance
Security position <= 10% of the account @ purchase						Yes
Number of issues		32		20	50	ok
Investments in a single sector will not exceed more than 50% of the portfolio value						Yes
Investments in a single country will not exceed more than 50% of the portfolio value						Yes
Normal Regional Exposures (* benchmark -/+ min/max):						
Emerging Markets	100%	79%		60%	100%	ok
Other	0%	21%		0%	40%	ok
Total		100%				
Normal Global Portfolio Characteristics (Relative to the Index)						
Price/Earnings (fwd)	11.9	29.2	245%	50%	NA	ok
ROE	15.8	24.8	157%	50%	NA	ok
3-5 Yr.Est. Growth	18.1	29.5	163%	50%	NA	ok
No derivatives, short sales, commodities, margin or currency hedging						Yes
Annual turnover		237%		10%	60%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines					☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F3. Annual Turnover: Portfolio in-kind transfer of an ETF. Strategy turnover = 26%.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 27,687

Organizational/Personnel Changes

Lakshman Venkitaraman joined Wasatch Global as a Research Analyst on the Emerging Markets team on 7/31/24

Account Turnover

Gained:	Number of Accounts:	3*	Total Market Value ($m):	$ 173.8
Lost:	Number of Accounts:	3*	Total Market Value ($m):	$ 613.7

Reason(s): Changes in asset allocation; * excludes accounts gained through pooled vehicles such as mutual funds, CITs, LP, etc.

WCM

Emerging Markets Equity: MSCI EM Benchmark

For the month of:	July	2024

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
WCM	-3.12%	N/A	N/A	N/A	N/A
MSCI Emerging Markets	0.24%	N/A	N/A	N/A	N/A

Country Allocation Comparison

Over-weight	WCM	EM	Under-weight	WCM	EM
Brazil	13.04%	4.32%	China	15.86%	24.54%
Singapore	4.85%	0.00%	Korea (South)	4.17%	12.11%
Canada	3.34%	0.00%	India	14.41%	20.00%

Performance Attribution & Strategy Comments

In July 2024, the portfolio underperformed its benchmark, the MSCI Emerging Markets, with a total return of -3.32% compared to the benchmark's return of 37 basis points, resulting in a variation of -3.70% on an annualized basis. This underperformance was primarily driven by a significant stock selection effect of -3.16% and a lesser, yet impactful, country allocation effect of -54 basis points. Notably, India and China were the countries that most detracted from the portfolio's performance, with total effects of -67 basis points and -1.18%, respectively. These figures underscore the challenges faced in these markets, which significantly influenced the overall portfolio results during the period.

The portfolio experienced a fluctuating performance relative to the MSCI Emerging Markets benchmark over the weeks ending on July 5th, 12th, 19th, and 26th. The portfolio began with a decline of -91 basis points, followed by a gain of 97 basis points, but then continued to underperform with losses of -1.30% and -1.88%. The attribution analysis reveals that stock selection was predominantly negative, contributing to declines of -72 basis points, -96 basis points, and -1.39%, except for a positive impact of 22 basis points in the week ending on July 12th. Country allocation also showed a mixed impact, with a positive contribution of 75 basis points in the second week but negative impacts of -19 basis points, -33 basis points, and -49 basis points in the other weeks. Notably, China and India were significant detractors in their respective weeks with impacts of -31 basis points and -83 basis points, while Brazil provided a notable positive contribution of 37 basis points during the week ending on July 12th. Additionally, sector allocation also played a role in the later weeks, contributing negatively by -14 basis points and slightly positively by 6 basis points. Notably, the sectors that most impacted the portfolio's relative performance were Consumer Discretionary with a negative effect of -37 basis points, Industrials which positively contributed 48 basis points, Information Technology with a substantial negative impact of -66 basis points, and Financials also detracting by -41 basis points.

Manager Style Summary

WCM will manage an emerging markets equity portfolio. WMC's emerging market philosophy is built on moats, culture, tailwinds, focused and valuation. They focus on bottom-up stock picking with a selection edge. The portfolio will hold approximately 50 stocks. Maximum position size will be around 10% with maximum industry exposure around 30%. Idea generation is followed by rigorous quantitative and fundamental analysis before portfolio construction is undertaken.

WCM

Emerging Markets Equity: MSCI EM Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	WCM		Min	Max	Compliance
At least 80% in emerging/frontier	86%		80%	100%	ok
Number of countries in the portfolio	31		3	N/A	ok
Number of global industries	23		15	N/A	ok
No more than 5% of the outstanding shares of each issuer					Yes
% of outstanding of China traded company shares	2.00%		0	4%	ok
Single Industry (% MV)	20%			30%	ok
Single Sector (% MV)	26%			50%	ok
Single position (% MV)	9%			10%	ok
Derivatives (% MV)	0%		0%	0%	ok

The portfolio is in compliance with all other aspects of the portfolio guidelines	☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

There were no deviations.

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 90,684

Organizational/Personnel Changes

No changes.

Account Turnover

Gained:	Number of Accounts:	0	Total Market Value ($m):	$ -
Lost:	Number of Accounts:	0	Total Market Value ($m):	$ -
	Reason(s):	No EM Account turnover in July.		

Western Asset Management- Core Full Discretion

Global Fixed: BB Aggregate Benchmark

For the month of: **July** **2024**

Manager Performance Calculations

** Annualized returns*

	Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Western	2.34%	5.13%	4.45%	-4.48%	-0.15%
BB Aggregate	2.34%	5.06%	5.10%	-2.63%	0.19%

Performance Attribution & Strategy Comments

Performance Review: The portfolio's performance was in line with its benchmark in July.

Outlook Summary: US Treasury (UST) bond yields whipsawed but ultimately fell during June. Yields were initially pressured higher on the back of strong jobs data, but this was reversed later in the month as lower-than-expected inflation and soft economic activity revived expectations for a Federal Reserve (Fed) rate cut in September. Yields drifted lower even as the Fed continued to signal a patient and gradual approach. Risk assets were mixed as most credit spreads were flat to wider and the S&P 500 Index reached a new record high.gUS jobs data came in strong as nonfarm payrolls added 272,000 jobs, surpassing the expected 180,000. Average hourly earnings rose by a higher-than-expected +0.4% month-over-month (MoM) to a year-over- year (YoY) rate of 4.1%. However, in a sign that the job market is coming into better balance, the unemployment rate ticked higher to 4.0% from 3.9%. Inflation data for May provided Fed policymakers with optimism, as readings for both headline and core Consumer Price Index (CPI) came in below expectations. Core CPI rose 0.2% MoM, versus consensus expectations for a 0.3% increase—bringing the annual rate to 3.4% YoY. The Fed's preferred inflation measure—the core Personal Consumption Expenditures (PCE) price index—also moderated and rose 0.1% MoM, which was the smallest increase in six months. Elsewhere, US retail sales for May disappointed against expectations for the second consecutive month while personal consumption was weaker than previously thought in 1Q24.

As expected, the Federal Open Market Committee (FOMC) kept the fed funds target rate range unchanged at 5.25% to 5.50%. The Fed emphasized that it continues to operate with a high degree of data dependency, reinforcing that the near-term path of policy rates will be dictated by incoming inflation and labor market data. The FOMC post- meeting statement acknowledged an improvement in recent inflation data, citing that "modest further progress" has been made toward the Fed's 2% inflation target, which was an upgrade from the "lack of further progress" noted in the previous meeting's statement. In June's post-meeting press conference, Fed Chair Jerome Powell acknowledged that the current restrictive monetary policy stance will continue to exert downward pressure on both economic activity and inflation.

The updated Summary of Economic Projections showed that the median FOMC member now expects just one 25 basis-point (bp) cut in the fed funds rate in 2024, versus the expected 75 bps of cuts expected as of March; however, it is worth noting that the median dot would have shifted from 25 bps to 50 bps if just two dots were marked lower and that themedian FOMC member now projects four 25-bp rate cuts in 2025, up from three rate cuts previously. The median forecast for the long-term fed funds rate was raised from 2.6% to 2.8%, indicating that some committee members view the neutral level of interest rates as having moved incrementally higher in recent years. With respect to the future path of inflation, year-end 2024 and 2025 projections were modestly marked up with a move back toward the Fed's 2% target by the end of 2026. Despite the unemployment rate already sitting at 4.0%, the year-end 2024 median projection for the rate was unchanged at 4.0%, setting a relatively low bar for the level of further labor market deterioration that might warrant more substantial policy easing.

Manager Style Summary

Western manages a customized portfolio for PERSI, which falls outside of their traditional product offerings. While the product is called, "Core Full Discretion" (one of their traditional products), Western has the flexibility to invest in global inflation-linked bonds and to take bigger bets where they see the opportunity. As such, this portfolio is more volatile than the traditional underlying product. This global mandate allows Western to hold foreign, non-dollar denominated securities, take currency positions, and enter into futures, options and swaps contracts.

Western Asset Management- Core Full Discretion
Global Fixed: BB Aggregate Benchmark

Portfolio Guideline Compliance

Portfolio Guideline:	Western	Min	Max	Compliance
C. Weighted average duration including futures positions	6.63	-30.00	30.00	ok
C4 (2): Sector Allocation				
a. Non-dollar denominated securities		0%	40%	ok
Un-hedged non-dollar denominated securities		0%	20%	ok
b. U.S. securities rated below investment grade (BIG)		0%	40%	ok
c. Non-dollar, Non-U.S. securities rated BIG		0%	20%	ok
d. Non-dollar denominated+emerging mkt+high yield		0%	50%	ok
C4 (3): Issuer				
a. Guaranteed by US gov, agencies, gov-sponsored corp or G-7		0%	100%	ok
b. Other national governments - limit per issuer		0%	10%	ok
c. Private MBS/ABS - limit per issuer		0%	10%	ok
If collateral is credit-independent of issuer & security's credit enhancement is generated internally - limit per is		0%	25%	ok
d. Obligations of other issuers subject to per issuer limit		0%	5%	ok
C4 (5): Credit				
No more than 40% of portfolio below Baa3 or BBB-/A2 or P2		0%	40%	ok
C4 (7): Derivatives				
Original futures margin and options premiums, exclusive o any in-the-money portion of the premiums		0%	5%	ok
F2. Annual Turnover	48%	100%	200%	check
The portfolio is in compliance with all other aspects of the Portfolio Guidelines			☑ Yes	☐ No

Manager Explanations for Deviations from Portfolio Guidelines

F2. Annual Turnover: The transactions were the intent of the portfolio manager and the account is in line with strategy's expected turnover

Total Firm Assets Under Management ($m) as of: Qtr 2 $ 381,095

Organizational/Personnel Changes

Mr. John Bellows resigned on May 1, 2024. Mr. Chia-Liang Lian left the Firm effective June 3, 2024 following his leave of absence. In July 2024 Mr. Keith Luna notified us of his intent to resign and he has subsequently left the Firm.

Account Turnover

Gained:	Number of Accounts:	1	Total Market Value ($m):	$ 11.0
Lost:	Number of Accounts:	6	Total Market Value ($m): -	$ 517.3
	Reason(s):	Asset Reallocation/Rebalancing; Strategic liquidation		

PERSI Choice Plan Summary — Jul 2024

Performance - Net of fees

blue = outperform by 50 bp; **red** = underperform by 50 bp — *(*Annualized)*

		Last Month	Last 3 Months	Last 1 Year	Last 3 Years*	Last 5 Years*
Balanced						
PERSI Total Return Fund ♠	n/a	**2.1%**	**5.3%**	**9.1%**	**2.7%**	**7.5%**
Strategic Policy ☆		2.3%	6.7%	10.7%	3.2%	7.7%
Policy *(55% R3000, 15% MSCI EAFE, 30% BCAgg)*		2.2%	7.8%	14.9%	4.3%	9.1%
Calvert Balanced Fund [1]**	**CBARX**	**1.1%**	**9.5%**	**19.0%**	**5.2%**	**9.4%**
Custom Bench *(60% R1000, 40% BCAgg)*		1.8%	7.9%	14.9%	4.1%	8.8%
Capital Preservation						
PERSI Short-Term Investment Portfolio ♠	n/a	**0.5%**	**1.4%**	**5.3%**	**3.2%**	**2.2%**
ICE BofA US 3-month T-bill Index		0.5%	1.4%	5.5%	3.2%	2.2%
Bond						
US Bond Index Fund	n/a	**2.3%**	**5.1%**	**5.0%**	**-2.7%**	**0.1%**
Dodge and Cox Fixed Income Fund [5]	**DOXIX**	**2.5%**	**5.7%**	**7.0%**	**-0.8%**	**1.9%**
Bloomberg Aggregate		2.3%	5.1%	5.1%	-2.6%	0.2%
US TIPS Index Fund	n/a	**1.8%**	**4.3%**	**4.4%**	**-1.7%**	2.3%
Bloomberg US TIPS Index		1.8%	4.3%	4.4%	-1.6%	2.4%
U.S. Equity						
Russell 3000		1.9%	10.0%	21.1%	8.1%	14.2%
Large Cap						
U.S. Large Cap Equity Index Fund	n/a	**1.2%**	**10.0%**	**22.0%**	**9.5%**	**14.9%**
Vanguard Growth & Income Fund [2]	VGIAX	**0.2%**	**8.7%**	**22.7%**	**9.8%**	**15.0%**
S&P 500		1.2%	10.1%	22.2%	9.6%	15.0%
Small/Mid Cap						
U.S. Small/Mid Cap Equity Index Fund [3]	n/a	**6.2%**	**9.7%**	**15.4%**	**0.2%**	**9.9%**
Dow Jones U.S. Completion Total Stock Market Index		6.2%	9.6%	15.0%	-0.3%	9.5%
Small Cap						
T. Rowe Price Small Cap Stock Fund [4]	TRSSX	**6.9%**	**9.3%**	**11.1%**	**0.0%**	**8.4%**
Russell 2000		10.2%	14.6%	14.3%	1.9%	8.9%
Specialty						
US REIT Index Fund	n/a	**5.9%**	**14.0%**	10.3%	-0.2%	3.5%
Dow Jones U.S. Select REIT		5.9%	14.0%	10.3%	0.0%	3.6%
International Equity						
International Equity Index Fund	n/a	**2.7%**	**5.6%**	**11.1%**	**3.8%**	7.7%
T. Rowe Price Overseas Stock	**TROIX**	**3.1%**	5.9%	9.7%	n/a	n/a
MSCI EAFE net dividend		2.9%	5.2%	11.2%	3.6%	7.4%
DFA Emerging Markets Core Equity I ^	**DFCEX**	**0.5%**	5.0%	9.4%	n/a	n/a
MSCI EMF		0.4%	n/a	n/a	n/a	n/a

*** BNYM and Callan have return discrepancies and are reviewing*

* *Performance reported by Custodian and may be preliminary; mutual funds identified by corresponding tickers*

☆ *Strategic Policy Benchmark = 8% R2500, 13% S&P500, 4% REIT, 4% PRE, 8% PE, 9% EM, 6% EAFE, 18% World, 15% Agg, 5% ID Mtg, 10% TIPS*

♠ *Fund returns reflect fees beginning 05/01/15*

[1] *Calvert Balanced Social Investment (Sudan-Free) Fund performance begins 10/12/07; effective 05/23: share class change from CBAIX to CBARX*

[2] *Vanguard Growth & Income Admiral Shares (VGIAX) performance begins 08/01/03; previous periods reflect Vanguard Growth & Income Investor Shares (VQNPX)*

[3] *US Small/Mid Cap Equity Index Fund managed by MCM performance begins 10/12/07; previous periods reflect Dreyfus Premier Midcap Stock R Fund (DDMRX)*

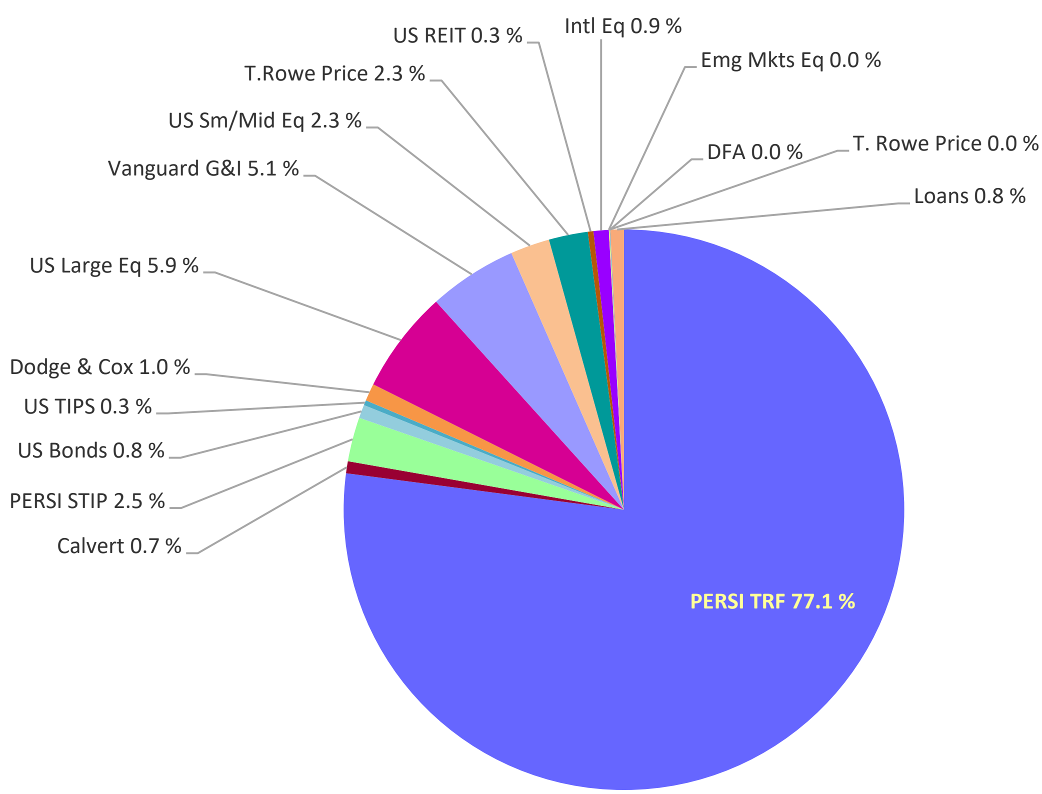
[4] *T. Rowe Price Small Cap Stock Fund (TRSSX) begins 04/01/2017; (OTCFX) performance begins 8/01/2003; previous periods reflect ING Small Company Fund (AESGX)*

[5] *Effective 05/23:share class change from DODIX to DOXIX*

PERSI Choice Plan Summary — Jul 2024

Performance - Net of fees

			Alloc by Fund	Alloc by Asset Class
Balanced				**77.8%**
PERSI Total Return Fund	$	1,300,375,911	77.1 %	
Calvert Balanced Fund	$	11,667,007	0.7 %	
Capital Preservation				**2.5%**
PERSI Short-Term Investment Portfolio *(ML 91-day T-bills)*	$	43,008,217	2.5 %	
Bonds				**2.1%**
U.S. Bond Index Fund *(BC Aggregate)*	$	13,022,924	0.8 %	
U.S. TIPS Index Fund *(BC US TIPS)*	$	4,877,196	0.3 %	
Dodge and Cox Fixed Income Fund *(BC Aggregate)*	$	16,866,044	1.0 %	
U.S. Equity				**15.9 %**
Large Cap				
U.S. Large Cap Equity Index Fund *(S&P 500)*	$	100,042,406	5.9 %	
Vanguard Growth & Income Fund *(S&P 500)*	$	86,199,579	5.1 %	
Small/Mid Cap				
U.S. Small/Mid Cap Equity Index Fund *(DJ USTSMI)*	$	38,266,443	2.3 %	
Small Cap				
T. Rowe Price Small Cap Stock Fund *(R2000)*	$	37,997,352	2.3 %	
Specialty				
U.S. REIT Index Fund *(DJ US Select REIT)*	$	5,446,625	0.3 %	
International Equity				**1.0 %**
International Equity Index Fund *(MSCI EAFE)*	$	14,805,900	0.9 %	
T. Rowe Price Overseas Stock	$	611,741	0.0 %	
DFA Emerging Markets Core Equity I	$	789,402	0.0 %	
Other				**0.8 %**
Loans	$	13,098,725	0.8 %	
Total DC Plan	**$**	**1,687,075,472**	**100%**	**100.0 %**



* *Performance reported by Custodian; mutual funds identified by corresponding tickers*

Memo

Date: August 20, 2024

To: PERSI Board

From: Investment Team
Richelle A. Sugiyama, CIO & Chris Brechbuhler, Deputy CIO

Re: Private Equity Stock Distributions
Hamilton Lane Distribution Management Services

Staff recommends retaining Hamilton Lane Distribution Management services to oversee, liquidate, and manage the process involved with equity distributions from our private equity portfolio.

<u>Background:</u>

The private equity portfolio typically distributes cash from underlying private equity partnerships. However, from time to time, PERSI will receive an equity (aka "stock" or "in-kind") distribution, which must be managed.

Hamilton Lane offers a Distribution Management solution that provides portfolio management, trading, reconciliation, and reporting for equity distributions. More importantly, the distribution remains within the custody system, allowing all holdings and transactions to be centrally transacted and monitored. Hamilton Lane has a dedicated research/portfolio management, trading and operations team that oversees all aspects of the process and assumes fiduciary responsibility.

The fee for this service is based solely on the value of the equity distribution, reset annually, and capped. If there are no distributions, there is no fee. For context, there were no equity distributions in calendar year 2021 and 2022. In 2023, PERSI received $3,022,952 in equity distributions and calendar YTD $290,000.

<u>Investment Staff recommendation:</u>

Approve Staff recommendation to retain Hamilton Lane as our Distribution Management Investment Manager, as summarized, and delegate authority to Staff to implement.

Mondrian
INVESTMENT PARTNERS

August 20, 2024

PERSI

International Equity Portfolio

London
Sixty London Wall, Floor 10, London, EC2M 5TQ, UK
Telephone: +44 (0) 20 7477 7000

Philadelphia
201 King of Prussia Road, Suite 620, Radnor PA 19087, USA
Telephone: +1 (215) 825-4500

Singapore
6 Battery Road, #27-04, Singapore 049909
Telephone: +65 6964 3000

Representing Mondrian

Elizabeth A. Desmond, CFA

Deputy Chief Executive Officer and Chief Investment Officer International Equities, Founding Partner (London)

Ms. Desmond joined Mondrian's predecessor organization as a founding member in 1991. Today, she is a Director of the firm, leads the International Equity team, and chairs the International Equity Strategy Committee. Previously, she has worked for Hill Samuel Investment Advisers Ltd. and Shearson Lehman Global Asset Management, as well as the Japanese government where she was based in Kagoshima, Japan. She holds a BA degree from Wellesley College and an MA degree in East Asian Studies from Stanford University. She is also a member of the Wellesley College Board of Trustees and chairs the endowment investment committee. She is a CFA Charterholder, a member of both the CFA Institute and the CFA Society of the UK, and sits on the CFA UK's Advisory Council.

James F. Brecker III, CFA

Head of Global Client Services and Business Development, Managing Partner (Philadelphia)

Mr. Brecker joined Mondrian in 2000 and currently leads Mondrian's global client service, consultant relations and business development efforts. He is a graduate of the University of Richmond, where he earned a BSc degree in Business Administration. He is a CFA Charterholder and a member of the CFA Institute and the CFA Society Philadelphia.

Mondrian Investment Partners

June 30, 2024

A value-oriented, defensive, global investment manager

Employee Owned and Independent

Ownership directly aligns with clients' interests

Equity plan attracts, retains and motivates staff

Over half of employees are owners

Institutionally Focused

Longstanding and diverse global client base

Corporations, pension plans, endowments, foundations and high net worth investors

Value-Oriented, Defensive Approach

Consistently applied valuation philosophy

Disciplined investment methodology and process

Aim to preserve capital in more challenging markets

A Track Record of Success

Stable, consistent leadership with time-tested investment philosophy and process

A Culture of Dynamic Communication

June 30, 2024

56 Investment Professionals

23 Average years industry experience of Senior Investment Professionals

18 Average years working at Mondrian

25+ Different nationalities represented throughout the company

- Collaborative environment, led by Group CIO, Clive Gillmore
- Research and ideas are shared amongst teams formally and on an ad hoc basis
- The Fixed Income team provides firm-wide inflation and currency forecasts

International Equity Strategy Committee

June 30, 2024

Global Equity Research Forum

Elizabeth Desmond
CIO International Equities

Clive Gillmore
CEO and Group CIO

Aileen Gan
CIO Global Equities

+ Team (15)

Fixed Income and Currency

David Wakefield
Chief Investment Officer

+ Team (6)

Emerging Markets

Andrew Miller
Chief Investment Officer

+ Team (7)

International Equity Strategy Committee

Elizabeth Desmond
Deputy CEO and CIO International Equities

Aileen Gan
CIO Global Equities

Steven Dutaut
Head of Research - Europe and Asia
Senior Portfolio Manager

Alex Simcox
Head of ESG Investment
Senior Portfolio Manager

Nigel Bliss
Christopher Davis
Zsolt Mester
Senior Portfolio Managers

Kawal Chawla
Portfolio Manager

Stella Bai
Haseem Shah
Assistant Portfolio Managers

Global Equity Strategy Committee

Aileen Gan
CIO Global Equities

Clive Gillmore
CEO and Group CIO

Jonathan Spread
Head of Research - USA
Senior Portfolio Manager

Alex Simcox
Head of ESG Investment
Senior Portfolio Manager

James Francken
Charlie Hill
Paul Thompson
Senior Portfolio Managers

Harry Hewitt
Akhil Hindocha
Portfolio Managers

Trading

Clark Simpson
Head of Trading

+ Team (3)

Implementation

Brian Heywood
Head of Implementation

+ Team (4)

Investment Philosophy

Investment Methodology

- Value approach which emphasizes long term fundamentals and sustainable growth in cash flow and dividends
- Consistent dividend discount methodology which compares value across all securities and markets
- Scenario analysis evaluates skew and the risk-adjusted returns of investments
- In-depth worldwide fundamental research with an emphasis on company meetings
- Long-term Purchasing Power Parity approach to currency analysis

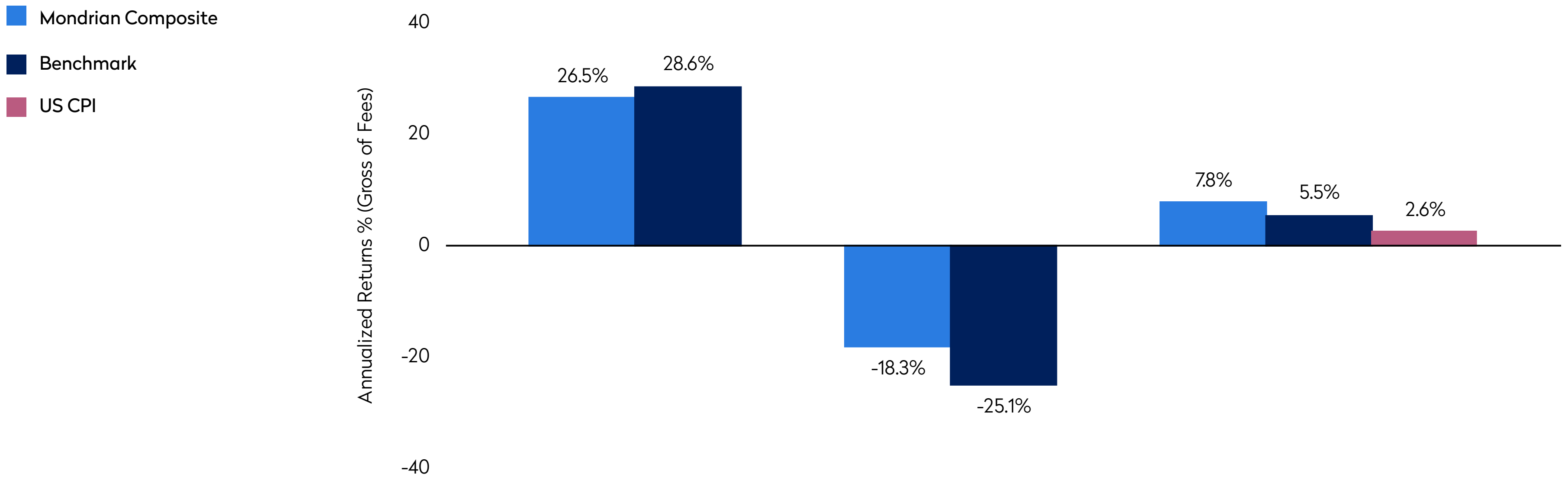
Characteristics

- Seek to produce meaningful alpha and high real returns
- Aim to preserve capital during global market declines
- Returns have typically shown lower volatility than the index and most other managers
- Focused portfolios with defensive qualities and strong value characteristics

Defensive Characteristics

International Equity Composite

Since Inception: October 1, 1991 to June 30, 2024



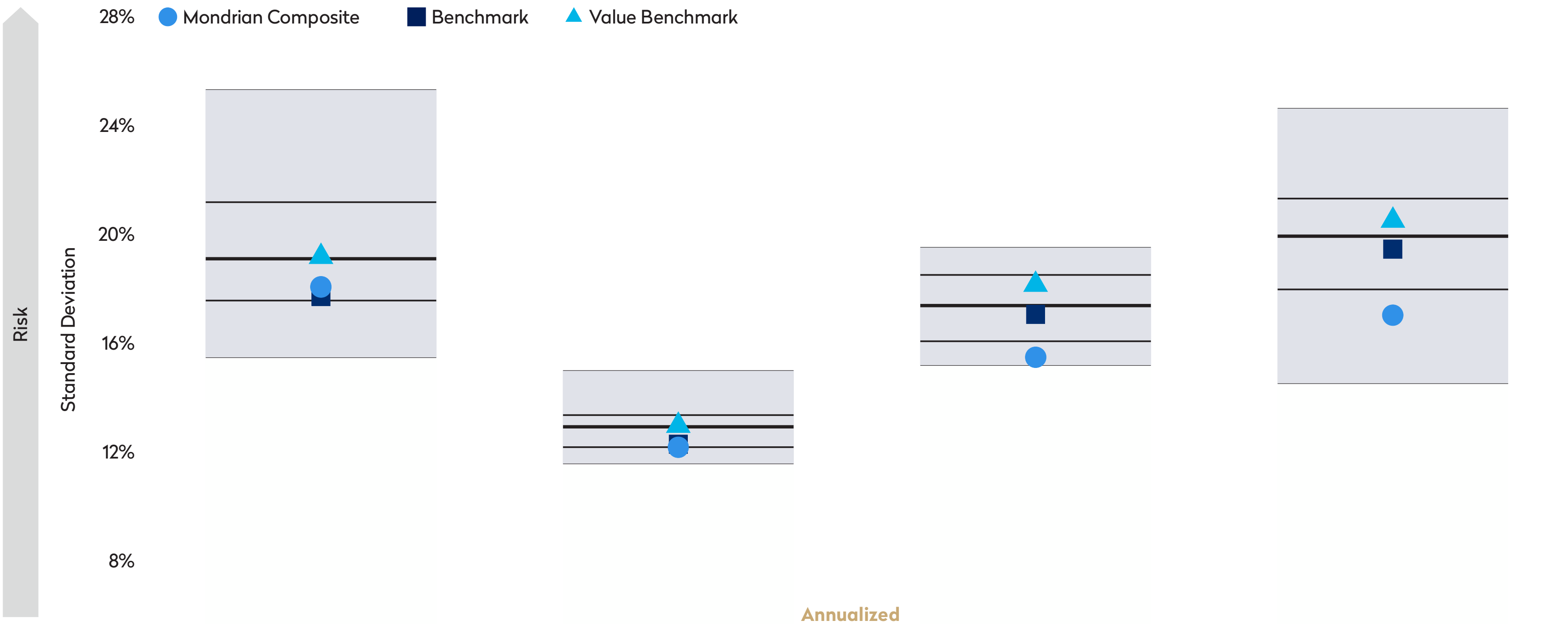
	Bull Market	Bear Market	Total
Number of Quarters	83	48	131

Benchmark: MSCI EAFE Index
Currency: USD
Source: Mondrian Investment Partners and MSCI
Past performance is not a guarantee of future results. Refer to the Composite Disclosure and Important Information in the Appendix.

Historically Low Risk

International Equity Composite

June 30, 2024



	5 Years Ending June 30, 2024	5 Years Ending June 30, 2019	5 Years Ending June 30, 2014	5 Years Ending June 30, 2009
Percentile Rank	**31**	**25**	**11**	**14**
No. of Observations	40	41	53	43

Benchmark: MSCI EAFE Index
Value Benchmark: MSCI EAFE Value
Currency: USD
Source: Mondrian Investment Partners and eVestment. Percentile rank against the eVestment EAFE Large Cap Value Equity universe.
Past performance is not a guarantee of future results. Refer to the Composite Disclosure and Important Information in the Appendix.

Performance

PERSI

July 31, 2024

	Portfolio (Gross)	Portfolio (Net)	Benchmark	Relative to Benchmark (Gross)
Quarter 1, 2024	2.6%	2.5%	5.8%	-3.0%
Quarter 2, 2024	1.3%	1.2%	-0.4%	1.7%
July 2024	5.8%	5.7%	2.9%	2.8%
Year to Date	10.0%	9.7%	8.4%	1.4%
2023	21.7%	21.3%	18.2%	2.9%
1 Year	14.3%	13.9%	11.2%	2.8%
3 Years (Annualized)	6.5%	6.2%	3.6%	2.8%
5 Years (Annualized)	7.5%	7.2%	7.4%	0.2%
10 Years (Annualized)	4.8%	4.5%	4.8%	0.0%
Since Inception (Annualized) June 4, 2004	**6.7%**	**6.3%**	**5.9%**	**0.8%**

Portfolio Market Value	US $444,080,019

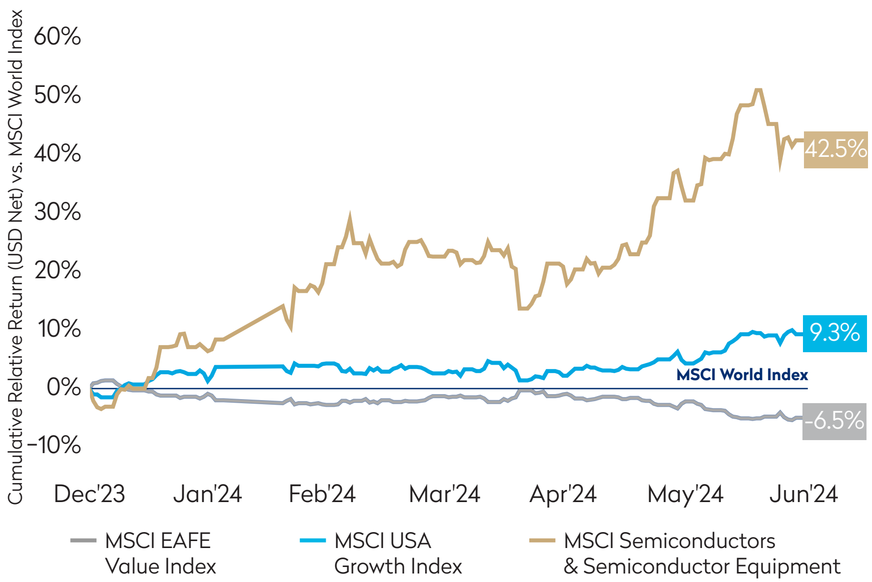
Benchmark: MSCI EAFE Index
Currency: USD
Secondary benchmark: MSCI EAFE Value Index
Source: Mondrian Investment Partners and MSCI
Past performance is not a guarantee of future results. Refer to the Composite Disclosure and Important Information in the Appendix

Investment Performance Review

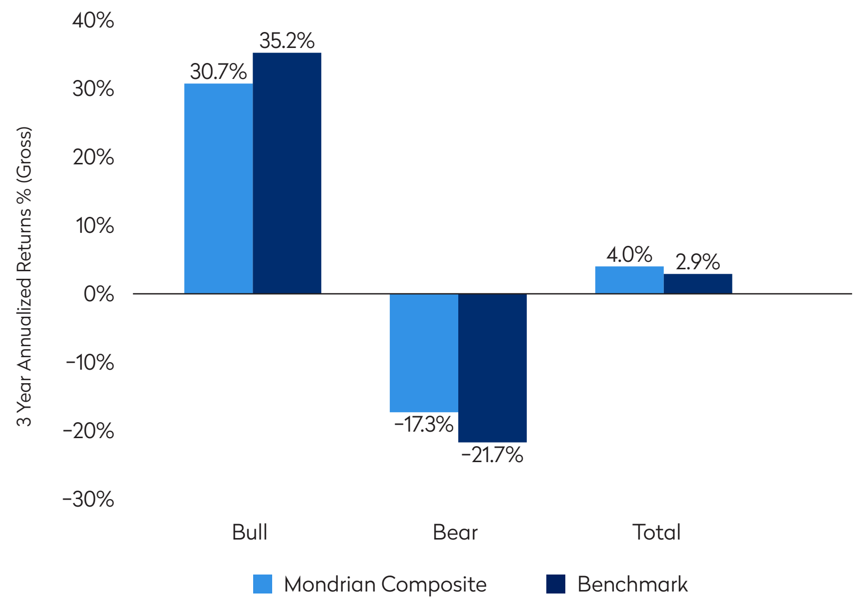
PERSI

June 30, 2024

Semiconductors Have Materially Outperformed



Mondrian Characteristics Remain Strong Over 3 Years



Composite: International Equity Composite
Benchmark: MSCI EAFE Index
Source: FactSet, MSCI, Mondrian Investment Partners
Past performance is not a guarantee of future results. Refer to the Composite Disclosure and Important Information in the Appendix.

Portfolio's Relative Exposure

PERSI

July 31, 2024

Allocation by Market

	Portfolio Weight	Relative Weight
United Kingdom	23.5%	8.5%
Italy	6.8%	4.1%
Singapore	4.9%	3.5%
Hong Kong	4.6%	2.9%
Germany	10.4%	1.9%
Austria	1.5%	1.3%
Japan	24.4%	1.0%
Other Asia Pacific	1.2%	1.0%
Spain	3.2%	0.5%
Netherlands	4.4%	-0.6%
France	7.5%	-3.7%
Switzerland	4.9%	-4.9%
Australia	1.4%	-6.0%
Other Europe, Middle East and Africa	0.0%	-10.7%

Allocation by Sector

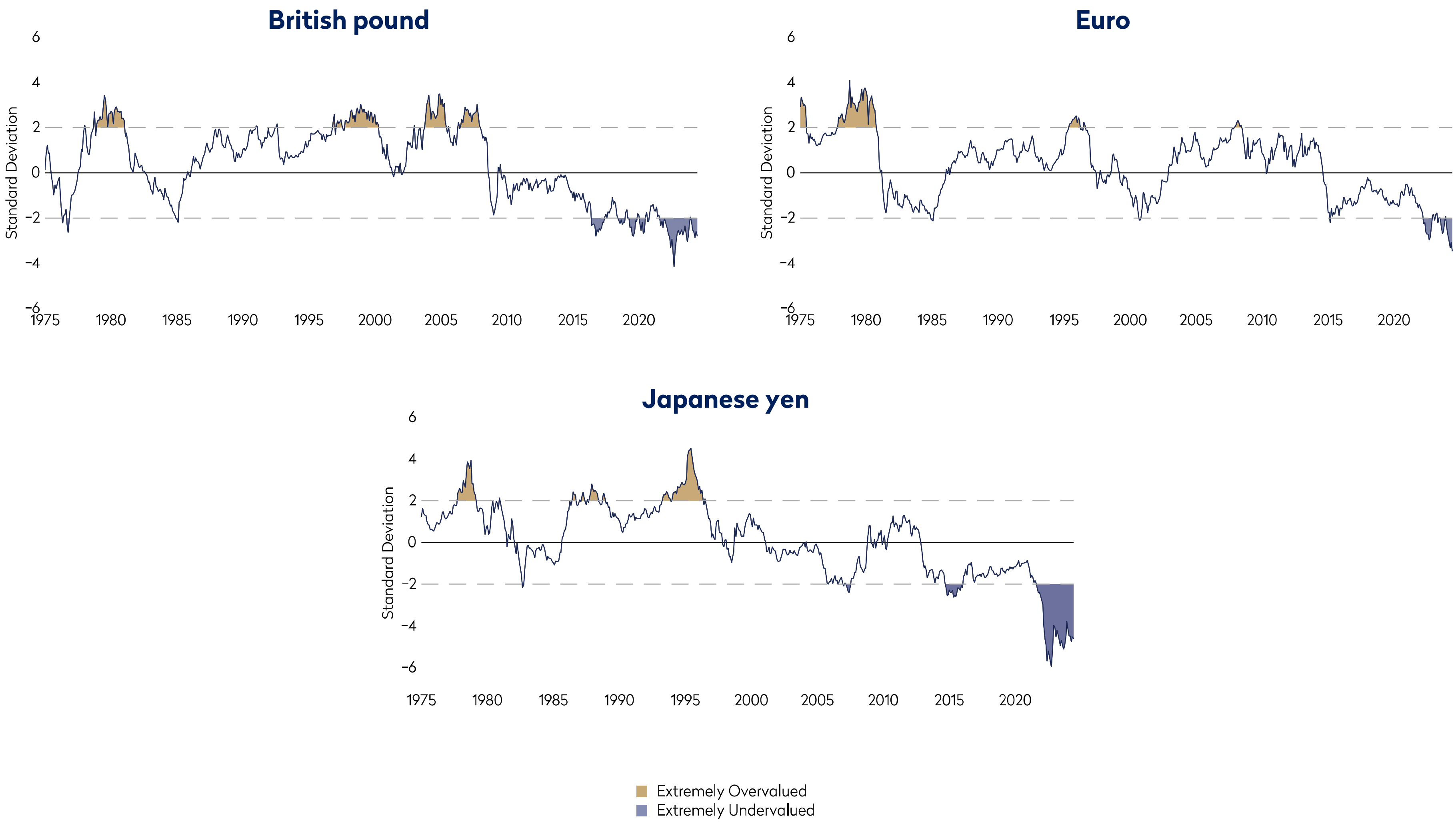
	Portfolio Weight	Relative Weight
Utilities	9.0%	5.7%
Industrials	19.7%	2.6%
Communication Services	5.7%	1.6%
Consumer Staples	9.8%	1.2%
Energy	5.0%	1.0%
Health Care	14.4%	0.7%
Information Technology	8.7%	-0.3%
Materials	4.9%	-1.7%
Real Estate	0.0%	-2.1%
Consumer Discretionary	8.8%	-2.3%
Financials	12.8%	-7.6%

Benchmark: MSCI EAFE Index
Source: Mondrian Investment Partners and MSCI

Purchasing Power Parity Valuations

Selected Currencies vs US dollar

June 30, 2024



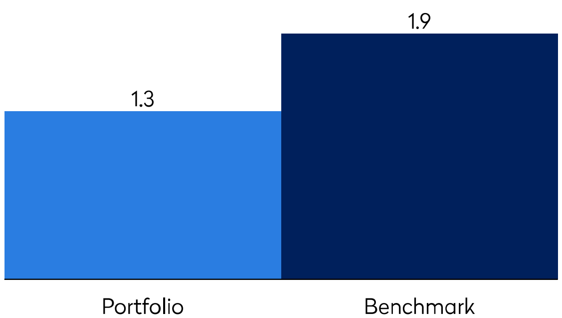
Source: Mondrian Investment Partners
Our euro PPP calculations weight individual eurozone countries' currencies and prices by their 2000 GDP weights for dates prior to 1999.

Summary Portfolio Characteristics

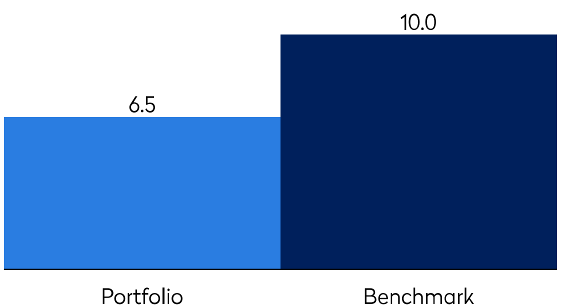
PERSI

July 31, 2024

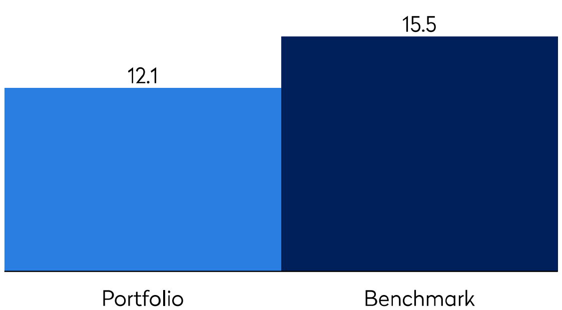
Price to Book Value Ratio



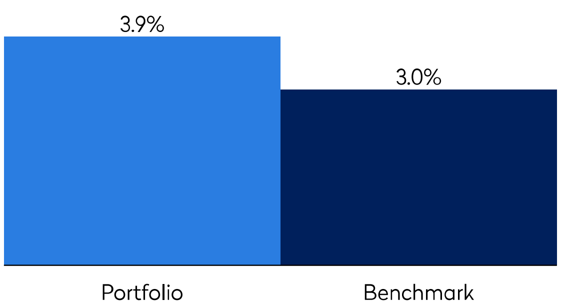
Price to Cash Flow Ratio



Price to Earnings Ratio



Dividend Yield



Portfolio Turnover

12 months to Jul. 31, 2024:	17.3%
12 months to Jul. 31, 2023:	14.7%

Market Capitalization

Weighted Average

Portfolio:	US $62.4 billion
Benchmark:	US $97.2 billion

Market Capitalization

Median

Portfolio:	US $30.4 billion
Benchmark:	US $14.7 billion

Benchmark: MSCI EAFE Index
Source: Mondrian Investment Partners and MSCI

Disclosure

International Equity Composite

Annual Performance

Year	Total Gross USD Return (%)	Total Net USD Return (%)	Benchmark USD Return (%)	Composite Standard Deviation (%)	Benchmark Standard Deviation (%)	Number of Portfolios	Composite Dispersion (%)	Total Composite Assets (USD mn)	% of Firm Assets	Total Firm Assets (USD mn)	Total Firm Assets and Advisory Assets (USD mn)
2014	-1.40	-2.02	-4.90	12.48	13.03	14	0.14	2,927.6	4.57	64,102	69,429
2015	-2.99	-3.60	-0.81	12.70	12.46	13	0.15	2,928.2	5.15	56,857	62,158
2016	4.56	3.91	1.00	11.94	12.46	13	0.18	3,400.5	5.76	59,033	64,257
2017	22.37	21.60	25.03	11.31	11.83	12	0.14	3,535.5	5.63	62,751	69,504
2018	-11.05	-11.61	-13.79	10.38	11.24	10	0.42	2,702.0	5.65	47,789	53,740
2019	19.31	18.56	22.01	12.07	10.81	11	0.25	4,583.9	8.43	54,401	61,316
2020	-3.72	-4.32	7.82	19.47	17.89	11	0.30	4,076.0	7.43	54,894	58,974
2021	12.17	11.47	11.26	18.90	16.92	13	0.32	8,711.3	15.53	56,088	60,479
2022	-10.36	-10.92	-14.45	20.42	19.96	9	0.33	6,310.3	14.57	43,300	47,087
2023	21.42	20.66	18.24	15.65	16.61	10	0.18	6,908.6	15.24	45,344	49,058
2024 (to Jun 30)	3.75	3.43	5.34	15.55	16.70	10	0.15	6,291.8	14.45	43,534	46,662

1 Year	11.39	10.69	11.54
5 Years (Ann.)	5.63	4.97	6.46
10 Years (Ann.)	3.77	3.12	4.33
Since Inception (Ann.)	7.78	7.11	5.47

- This composite was created and incepted in October 1991.
- Past performance is not a guarantee of future results.
- A list of composite descriptions, pooled fund descriptions for limited and broad distribution pooled funds and the policies for valuing investment, calculating performance and preparing GIPS reports are available on request.

Accompanying Notes Concerning Performance Calculation and GIPS ® Compliance

Mondrian Investment Partners Limited ('Mondrian') claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Mondrian has been independently verified for the period 1 January 1993 to 31 December 2023. The verification reports are available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, Aand distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.
GIPS® is a registered trademark of CFA Institute. CFA Institute does not endorse or promote this organization, nor does it warrant the accuracy or quality of the content contained herein.

The Firm is defined as all discretionary and non-discretionary portfolios managed by Mondrian. Mondrian is a value-oriented defensive manager seeking to achieve high real returns for its clients. Mondrian invests mainly in securities where rigorous dividend discount analysis identifies value in terms of the long-term flows of income. Mondrian's methodology is applied consistently to markets and individual securities, both bonds and equities.

The International Equity Composite includes U.S. dollar based discretionary portfolios, measured against the Morgan Stanley Capital International EAFE or equivalent Index net of withholding taxes. The portfolios invest in non-U.S. equities with discretion to invest in countries outside the index including Emerging Market countries, with an allowance for hedging. Effective 1 January 2021, the International Equity Composite was redefined to include limited partnership portfolios and portfolios with hedging restrictions in the composite.
Gross performance returns for 2021 were understated in this specific GIPS Report distributed throughout the first two months of 2022. Gross composite performance for 2021 has been revised from 11.92% to 12.17%.

Total Firm Assets are assets for which the firm has investment management responsibility. Composite assets are assets for composite qualifying portfolios for which the firm has investment management responsibility. Firm advisory assets are assets for all strategies within the firm for which Mondrian provides investment recommendations only; trading and implementation of the investment decisions is independent.

Portfolios are valued on a trade date basis using accrual accounting. Returns are calculated using the modified Dietz method and then weighted by using beginning-of-period market values to calculate the monthly composite returns. Portfolio returns are calculated net of irrecoverable withholding tax on dividend income. New portfolios are included in the first full month of investment in the composite's strategy. Terminated portfolios remain in the composite through the last full month of investment.

Composite and benchmark standard deviation are measured as the rolling 3 year annualised standard deviation of gross monthly returns. The dispersion of annual returns of portfolios within the composite (Composite Dispersion), is measured by the standard deviation of the equal-weighted returns of portfolios represented within the composite for the full year. When the composite consists of four or fewer portfolios for the full year, no dispersion measure is presented.

Performance results marked "Gross" do not reflect deduction of investment advisory fees. Investment returns will be reduced accordingly. For example, if a 1.00% advisory fee were deducted quarterly (0.25% each quarter) and the three year gross annual returns were 10.00%, 3.00% and -2.00%, giving an annualized return of 3.55% before deduction of advisory fees, then the deduction of advisory fees would result in three year net annual returns of 8.91%, 1.98% and -2.97% giving an annualized net return of 2.52%.

Performance returns marked "Net" reflect deduction of investment advisory fees and are calculated by deducting a monthly indicative fee from the monthly composite return. The indicative fee is defined as being the effective fee rate for a segregated account at the composite's minimum segregated account size as set out below. Actual net composite performance would be higher than the indicative performance shown because some accounts have sliding fee scales and accordingly lower effective fee rates..

Representative fee schedules and expense ratios as at 31st December 2023 for segregated accounts and pooled vehicles are provided below, although it is expected that from time to time the fees charged will differ from the below schedule depending on the country in which the client is located and the nature, circumstances and requirements of individual clients. The segregated account fees will be charged as follows: the first USD50million at 0.65%; the next USD50million at 0.45%; thereafter at 0.35%. Minimum segregated account size is USD100million. For Collective Investment Trusts, the fees will be charged as follows: for assets between USD0 to USD40million at 0.63%, for assets between USD40million to USD60million at 0.58%, for assets between USD60million to USD110million at 0.50%, for assets between USD110million to USD160million at 0.45%, for assets between USD160million to USD250 million at 0.40%, for assets between USD250 million to USD600million at 0.35%; for assets over USD600million at 0.33%. Minimum CIT account size is USD3 million. The total expense ratio is 0.73%. The fees for Limited Partnerships will be charged as follows: the first USD30million at 0.63%; the next USD20million at 0.50%; the next USD50million at 0.40%; thereafter at 0.35%. Minimum Limited Partnership account size is USD5million. The total expense ratio is 0.37%.

Important Information

Term	Description
Benchmark	All references to "benchmark" assume the reinvestment of dividends after the deduction of withholding tax and approximate the minimum possible re-investment, unless the benchmark is specifically described as a "Gross" benchmark. Where an MSCI index is used, neither MSCI nor any other party involved in or related to compiling, computing or creating the MSCI data makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of such data. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in or related to compiling, computing or creating the data have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages. No further distribution or dissemination of the MSCI data is permitted without MSCI's express written consent.
Bull and Bear Charts	With regards to our bull and bear charts, a Bull Market period is defined as one in which the benchmark showed a positive return, and a Bear Market period when the benchmark showed a negative return. Please review the Bull Bear in conjunction with the Composite Disclosure, which includes performance, in the Appendix.
Composite	The Composite definition is provided on the Composite Disclosure page. A Composite includes all discretionary accounts managed by Mondrian to the same investment strategy.
Consumer Price Index	Data provided through OECD; this data may be up to two months in arrears, depending on the reporting date.
Gross Figures	Figures presented as gross are net of commissions and other direct expenses but before advisory fees, custody charges, withholding taxes, and other indirect expenses, and include reinvestment of dividends and other earnings. Actual returns will be reduced by such fees and expenses.
Net Figures	Figures presented as net differ from those marked as gross in that they reflect the deduction of investment advisory fees. Such fees are calculated by deducting the appropriate portion of the estimated quarterly fee from the monthly return.

Important Information

Term	Description
Portfolio Characteristics	Portfolio Turnover, Market Capitalization, Price to Book Value Ratio, Price to Cash Flow Ratio, Price to Earnings Ratio and Dividend Yield are each based on generally accepted industry standards. All portfolio characteristics are derived by first calculating the characteristics for each security, and then calculating the weighted-average of these values for the portfolio. The details of exact calculations can be provided on request.
Purchasing Power Parity Valuations	Using proprietary Mondrian models. Further information on these models can be provided on request.
Standard Deviation	The standard deviation of returns is computed based on returns gross of advisory fees and other expenses associated with managing an investment advisory account.
Universe Information	The information provided in the Standard Deviation chart is from eVestment.

Issue	Disclosure
Confidentiality	This document is confidential and only for the use of the party named on its cover and its advisers. It may not be redistributed or reproduced, in whole or in part.
Current Views	Views expressed were current as of the date indicated, are subject to change, and may not reflect current views. Views should not be considered a recommendation to buy, hold or sell any security and should not be relied on as research or investment advice.
Forecast “Real” Annualized Market Returns	These forecast “real” annualized market returns are used solely as a basis for making judgements about country allocation weightings and are not intended to be indications of expected returns.
Forward-Looking Statements	This document may include forward-looking statements. All statements other than statements of historical facts are forward-looking statements (including words such as “believe”, “estimate”, “anticipate”, “may”, “will”, “should”, “expect”). Although we believe that the expectations reflected in such forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. Various factors could cause actual results or performance to differ materially from those reflected in such forward-looking statements.
Performance Figures	Carefully review the Disclosures and notes concerning performance calculation and GIPS Compliance in the Appendix. These provide more information concerning gross performance results including an illustration of the negative effect of advisory fees on performance.
Risk of Loss	An investment involves the risk of loss. Past performance is not indicative of future results. The investment return and value of investments will fluctuate, and you may not get back the amount you originally invested.

Important Information

Firm Information

Mondrian Investment Partners Limited is authorised and regulated by the Financial Conduct Authority (Firm Referemce Number: 149507). Mondrian Investment Partners Limited is registered as an Investment Adviser with the SEC (registration does not imply any level of skill or training).

PERSI
Public Employee Retirement System of Idaho

August 20, 2024

TO: Retirement Board Trustees
FROM: Jeff Cilek, Chair - Mike Hampton, Director
SUBJECT: Selection of Vice-Chair* (Action by the Board requested)

Governance Policy Manual (Section 1, Subsection 8. A.):

8. Board Meeting Operations

This Board Operations Policy sets forth guidelines to facilitate the organized, efficient, and cohesive functioning of the Board, and compliance with applicable law, including the Idaho Open Meetings Law[1] and Idaho Public Records Act[2].

A. Vice-Chair

i. The Board shall annually elect from among its members a Vice-Chair of the Board to fulfill the Chair's duties in the absence of or through the delegation by the Chair.

ii. Trustees nominate candidates for Vice-Chair from the floor at the last regular Board meeting of the fiscal year. Trustees may nominate other Trustees or themselves.

iii. The Chair will call for a vote. Trustees each vote for one candidate. A candidate must receive at least 3 votes to be elected Vice-Chair.

iv. The Vice-Chair begins his or her one-year term on the first day of the fiscal year for which the vote was taken. PERSI shall provide notification to the Governor.

v. In the event that a vacancy should occur in the position of Vice-Chair, for any reason, the Board shall elect a successor for the balance of the unexpired term at its next regular meeting.

[1] Title 74, Chapter 2.
[2] Title 74, Chapter 1.

PERSI
Public Employee Retirement System of Idaho

August 20, 2024

Department Updates:

- ***Member Services***
  - New Member Portal
    - Last meeting there were just under 2,000 members registered. There are just under 12,000 members now signed up.
    - The default preferred communication is electronic and approximately 99% have not changed this.
    - There are approximately .5% of member accounts that have been disabled because of error(s) in registration sign-ins. Majority of these are from the first week and failed in the process. Most have not tried to contact PERSI, and we believe that some of these were "bad actors" that two-factor authentication has deterred.
  - Annual Statements were mailed out or notifications sent to members that their statements are available in the member portal last week.
  - Construction of new cubes on the first floor is going well and is currently on time.
    - Staff of affected area has been moved to the 2nd floor.
    - Construction of 1st floor area is being done on nights and weekends.

- ***Quality Assurance***
  - Surveys going out soon to inquire on recent interactions with PERSI.
    - Retirement process experience(s)
    - Member portal sign-up process
    - Member portal use after sign-up

- ***Member Education***
  - Adding more member education modules as an al a carte to supplement current educational opportunities. Giving members or employers more opportunity to know more about PERSI benefits.

- ***Fiscal***
  - Auditors have finished on-site last week.
  - Currently in the design sessions for employer portal upgrade.

- ***IT***
  - Upgrading network equipment and other software.
  - Working with Plant Moran on internal control, security, and process reviews.

PERSI
Public Employee Retirement System of Idaho

Internal Process and Control Review Consultant:

- ***Plant Moran***
  - Met with sub-committee and Plant Moran to review processes identified for opportunities for improvement or added controls in the Fiscal department.
    - Management met with Plant Moran after and added due dates to implement recommendations.
  - Working with IT currently.

NASRA Conference:

- I attended the NASRA conference 8/3 – 8/7. It was educational and it was good to meet others in similar roles to discuss issues and possible solutions that have been implemented or ideas to address them.

PERSI
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PERSI
Public Employee Retirement System of Idaho

August 20, 2024

TO: Retirement Board Trustees
FROM: Mike Hampton, Director
SUBJECT: Director Update

<u>NASRA 70th Annual Conference:</u>

The National Association of State Retirement System Administrators is made up of over 100 of the largest pension systems in the United States.

Quote from opening remarks – Patricia Bishop, Director – Virginia Retirement System:

"The responsibilities we carry are immense. As fiduciaries, we are entrusted with the management and safeguarding of public pension funds, a task that requires unwavering dedication, integrity, and foresight. The trust placed in us by millions of public employees who dedicate their lives to service must be met with a steadfast commitment to preserving and enhancing the health of their retirement systems. Our dialogue and collaboration during this conference will play a crucial role in supporting the strong fiduciary structures that underpin public pensions, ensuring they remain a bedrock of security for future generations."

<u>National Reports and Research</u>:

- Distribution of Public Pension Funding Levels (FY 23)
  - Aggregate funding level = 76.2%
  - Median funding level = 77.4%
  - Range of funding levels from 42% to 107% (exclude single outliers at less than 30% and over 110%)
- Actuarial Assumptions
  - Average Public Pension Inflation Assumption = 2.57%
  - Average Investment Return Assumption = 6.91%
  - Median Investment Return Assumption = 7.0%
- Contributions and Wage Growth
  - Median Contribution Rate (SS eligible) – Employer/15.2% Employee/6.10%
  - Median Contribution Rate (No SS) – Employer/21.4% Employee/9.0%
  - Annual wage growth FY 22 & 23 = 4.75% (FY10 – FY20 less than 2% avg)

NASRA Federal Relations:

- Additional ESG legislation / proxy voting is expected to be introduced.
- Politization of pension funds is an ongoing effort.
- China investment restriction is a bi-partisan national issue. Nothing imminent due to lame duck session.
- Federal funds can not be utilized for UAL of a plan a member is not a current participant in. For example, closed plans, different tier – benefit structure.

Pension Administration System "Modernization":

- Oregon, Nevada, Oklahoma, CalSTRS all going through Pension Administration modernization.
- Modernization has different definitions: Upgrade, re-write/coding, self-service, new system, etc.
- Common themes:
    - Do more with less.
    - Automate thoughtfully.
    - Self-service options for membership.
    - Learn from others.
    - Process improvement.
    - Member experience improved – personalize information
    - Get it done RIGHT, not a timetable.

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PERSI Project Status Report

Out of Tolerance	
Potentially at Risk	
On Track	

Project Name	***Arrivos 2.0 Upgrade***
PERSI Project Sponsor	***Larry Sweat***
Status Assessment Date	***August 14, 2024***

Current Project Status

Overall Project Status	On Track	**Notes**	*Member Portal - Existing Features* phase *is* completed. Design and development work for the *Employer Portal* phase is underway.
Timeline	Potentially at Risk	**Notes**	Project is currently on schedule. The *Employer Portal* phase has issues that are dependent on 3rd-party actions beyond the control of PERSI and Tegrit, thus there is potential for schedule disruption.
Budget	On Track	**Notes**	Expenditures to date are currently below budget and it is expected that the project will be completed within budget.

Project Components

Component	Status	Notes
Member Portal	On Track	*Member Portal Existing Features* phase is completed and implemented with excellent results. *Member Portal New Features* design is complete but implementation is dependent on some work to be completed in the *Pension Admin* phase.
Employer Portal	Potentially at Risk	Schedule is exposed to potential disruption where some elements are dependent upon State Controller's Office and Empower. The Project Team will have some flexibility to re-arrange work and prevent the overall schedule from slipping.
Pension Admin.	On Track	Some design work on the *Pension Admin* phase has been started where it meshes with Member and Employer portals.
Vendor Portal	Not Started	
Database Conversion	Not Started	

Budget

Fiscal Year	Fiscal Year Expenditures	Project Expenditures to Date
2023	$987,649.66	$987,649.66
2024	$2,294,393.08	$3,282,042.74
2025	$45,960.00	$3,328,002.74

Public Employee Retirement System of Idaho

Base Plan Contribution Rate Options

Robert Schmidt

AUGUST 20, 2024

Milliman

Today’s discussion

- Overview of scheduled rate changes
- Impact of delaying and reducing rate increases
- Considerations

Overview of scheduled rate changes

Oct. 2022 rate increases

Were needed due to 7/1/2022 valuation results

1. Initial 1.25% increase effective 7/1/2024
2. Additional 2.50% increase effective 7/1/2025
3. Additional 3.75% increase effective 7/1/2026

Sep. 2023 temporary safety rate increase

Pay for 2023 return to work law

Safety rates temporarily increase by 1.14% effective 7/1/2024 and ending 6/30/2027

Current contribution rate schedule

	Last year's rates	*Current rates*	*Future rates under consideration*		
Class	**FYE 2024**	**FYE 2025**	**FYE 2026**	**FYE 2027**	**FYE 2028+**
Aggregate					
Employer	11.98%	12.86%	14.40%	16.72%	16.62%
Member	7.49%	8.04%	9.00%	10.43%	10.35%
Total	**19.47%**	**20.90%**	**23.40%**	**27.15%**	**26.97%**
General					
Employer	11.18%	11.96%	13.53%	15.87%	15.87%
Member	6.71%	7.18%	8.11%	9.52%	9.52%
Total	**17.89%**	**19.14%**	**21.64%**	**25.39%**	**25.39%**
Teacher					
Employer	12.69%	13.48%	15.04%	17.38%	17.38%
Member	7.62%	8.08%	9.02%	10.43%	10.43%
Total	**20.31%**	**21.56%**	**24.06%**	**27.81%**	**27.81%**
Safety					
Employer	13.26%	14.65%	16.10%	18.28%	17.62%
Member	9.83%	10.83%	11.88%	13.45%	12.97%
Total	**23.09%**	**25.48%**	**27.98%**	**31.73%**	**30.59%**

Impact of delaying and reducing rate increases

#	Scenario	Description	Est. 7/1/2024 Amortization Period	Min. FY25 Asset Return*	FY24 Contrib. Rate	FY25 Contrib. Rate	FY26 Contrib. Rate	FY27 Contrib. Rate	FY28+ Contrib. Rate
1	**Do nothing**	Leave all three rate increases in place with no changes	**10.7 years**	**-12.4%**	19.47%	20.90%	23.40%	27.15%	26.97%
2	**Delay**	Delay last two rate increases by one year	**11.6 years**	**-11.1%**	19.47%	20.90%	20.90%	23.40%	26.97%
3	**Delay and reduce 1.0%**	Delay last two rate increases by one year and reduce second rate increase by 1.0%	**12.8 years**	**-7.7%**	19.47%	20.90%	20.90%	22.40%	25.97%
4	**Delay and reduce 1.5%**	Delay last two rate increases by one year and reduce second rate increase by 1.5%	**13.6 years**	**-6.0%**	19.47%	20.90%	20.90%	21.90%	25.47%
5	**Delay and reduce 2.0%**	Delay last two rate increases by one year and reduce second rate increase by 2.0%	**14.5 years**	**-4.3%**	19.47%	20.90%	20.90%	21.40%	24.97%
6	**Delay and reduce 2.5%**	Cancel second rate increase and delay third by one year	**15.5 years**	**-2.6%**	19.47%	20.90%	20.90%	20.90%	24.47%
7	**Delay and reduce 3.0%**	Cancel second rate increase, delay third by one year, and reduce third by 0.5%	**16.6 years**	**-1.0%**	19.47%	20.90%	20.90%	20.90%	23.97%

*Minimum asset return needed in FY25 to avoid the July 1, 2025, amortization period being above 25.0 years.

All results are based on the preliminary FY24 investment return of 8.81% (net of fees) and assuming no liability gains, losses, or benefit increases above the statutory 1% per year after July 1, 2023.

Considerations

Experience study next year

- For 2024 valuation, using same assumptions as 2023 valuation, including 6.30% discount rate
- Experience study in spring of 2025

Delaying rate increases reasonable this year

- If a rate increase is still necessary to achieve a less than 25-year amortization period, we typically caution against delaying it (usually not consistent with actuarial best practices).
- However, with the experience study next year, delaying the rate increases is a reasonable option this year.

Can allocate reduction between rate increases

- These scenarios prioritized reducing the second rate increase.
- Could split the reduction between the two rate increases or prioritize reducing the third rate increase with minimal impacts on the amortization period or minimum FY25 asset return.

Next month’s meeting

- All scenarios will be updated with preliminary 2024 valuation results
- Should we add or remove any scenarios?

Certification

All data, assumptions, methods, plan provisions, caveats, and limitations from our January 2, 2024, UAAL models cover letter continue to apply to this presentation. We are members of the American Academy of Actuaries and meet the qualification standards necessary to issue this statement of actuarial opinion.

Robert L. Schmidt, FSA, EA, MAAA
Principal and Consulting Actuary

Ryan J. Cook, FSA, EA, CERA, MAAA
Consulting Actuary

Milliman

Thank you

Robert Schmidt

robert.schmidt@milliman.com

PERSI
Public Employee Retirement System of Idaho
HELPING YOU BUILD A SECURE RETIREMENT

PHONES
Answer Center 208-334-3365
FAX 208-334-3805

Toll Free
Answer Center 1-800-451-8228
Employer Line 1-866-887-9525

MAILING ADDRESS
P.O. Box 83720
Boise ID 83720-0078

BOISE
Office Location Address
607 North 8th Street
Boise ID 83702-5518

POCATELLO
Office Location Address
1246 Yellowstone Ave – Ste.A5
Pocatello ID 83201

COEUR D'ALENE
Office Location Address
2005 Ironwood Pkwy #226
Coeur d' Alene ID 83814-2680

Choice Plan Recordkeeper
1-866-437-3774

www.persi.idaho.gov

Equal Opportunity Employer

Date: August 20, 2024

TO: PERSI Retirement Board

FROM: Mike Anderson
Financial Executive Officer

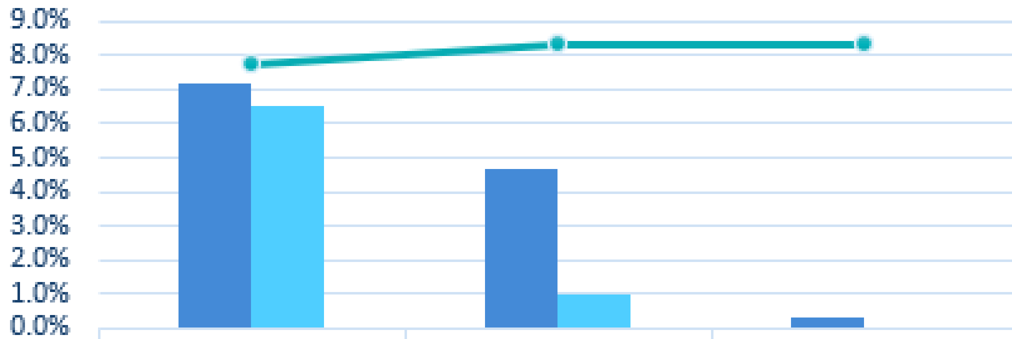
SUBJECT: **UPDATE ON FISCAL ISSUES**

- **2024 EXPENSE REPORTS:** PERSI's year-to-date expense reports for the Administrative and Portfolio funds are enclosed.
    - **Administration:** The report is for FY2025 expenditures as of the end of July. Personnel, Operating, and Capital Outlay expenses are all below the target rate of 8.3%.
    - **Portfolio:** Our year-to-date expense ratio is 34.7 basis points of projected average net assets compared to the budgeted projection of 35.6 basis points. Both the budget and actual are below the 50-basis point target ratio. The total budgeted for FY 2025 assumed asset growth of 6.3% net. The reports are on a cash basis and, therefore, will vary from the expenses reported in the accrual-based financial statements.
- **MONTHLY OUT OF STATE TRAVEL REPORT:** The monthly travel report is included in the board report. Please let me know if you have any questions.
- **FINANCIAL STATEMENTS:** The FY 2024 unaudited financial statements are in your board packets. Please let me know if you have any questions.
- **PRELIMINARY 2026 BUDGET REQUEST:** The FY 2026 preliminary appropriated budget is included in the board packet. I will present it in the meeting for discussion.

PUBLIC EMPLOYEE RETIREMENT SYSTEM FY 2025 CASH BASIS ADMINISTRATION EXPENSES							
SUMMARY REPORT					TARGET:		8.3%
ADMINISTRATIVE BUDGET							
JULY 31, 2024							
	FY 2024 BUDGETED	**FY 2024 ACTUAL**	**FY 2025 BUDGETED**	**JULY**	**FY 2025 Total Expenses**	**Current Spending Balance**	**Actual as % of Budget**
PERSONNEL	5,518,500	4,977,907	6,478,600	466,922	466,922	6,011,678	7.2%
OPERATING	5,593,400	3,305,061	5,652,900	267,495	267,495	5,385,405	4.7%
CAPITAL	184,000	200,497	200,500	633	633	199,867	0.3%
TOTAL	**11,295,900**	**8,483,465**	**12,332,000**	**735,050**	**735,050**	**11,596,950**	**6.0%**

PUBLIC EMPLOYEE RETIREMENT SYSTEM FY 2025 CASH BASIS PORTFOLIO EXPENSES						
STAFF EXPENSE						
Personnel	884,100	602,785	976,600	59,078	59,078	6.0%
Operations	220,100	134,365	224,600	22,376	22,376	10.0%
Capital Outlay	21,600	3,148	18,900	-	-	0.0%
Encumbrances	-	-	-	-	-	0.0%
Total Monthly Expenditures	64,825,800	65,236,751	69,345,708	3,986,321	3,986,321	5.7%

Administration

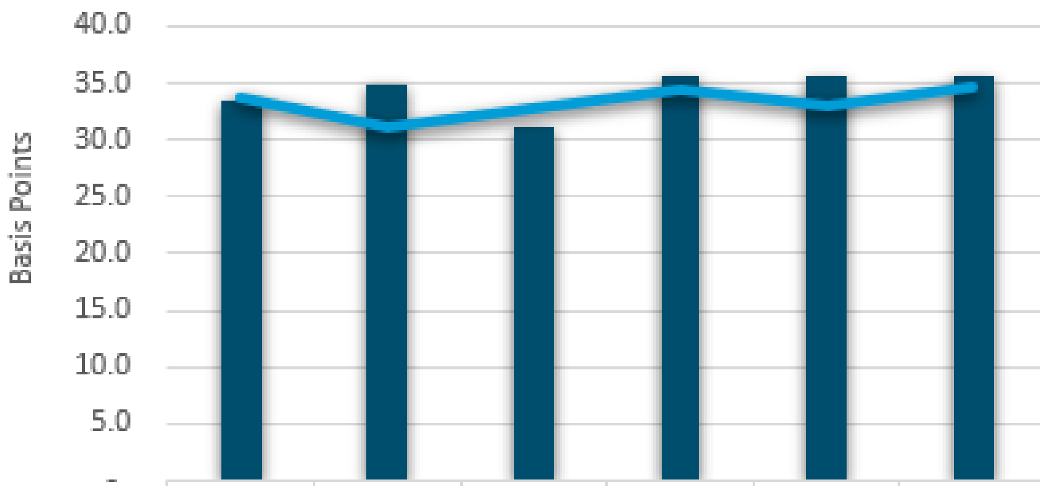


	Personnel	Operating	Capital
2025	7.2%	4.7%	0.3%
2024	6.5%	1.0%	0.0%
Target Rate	7.7%	8.3%	8.3%

2025 2024 Target Rate

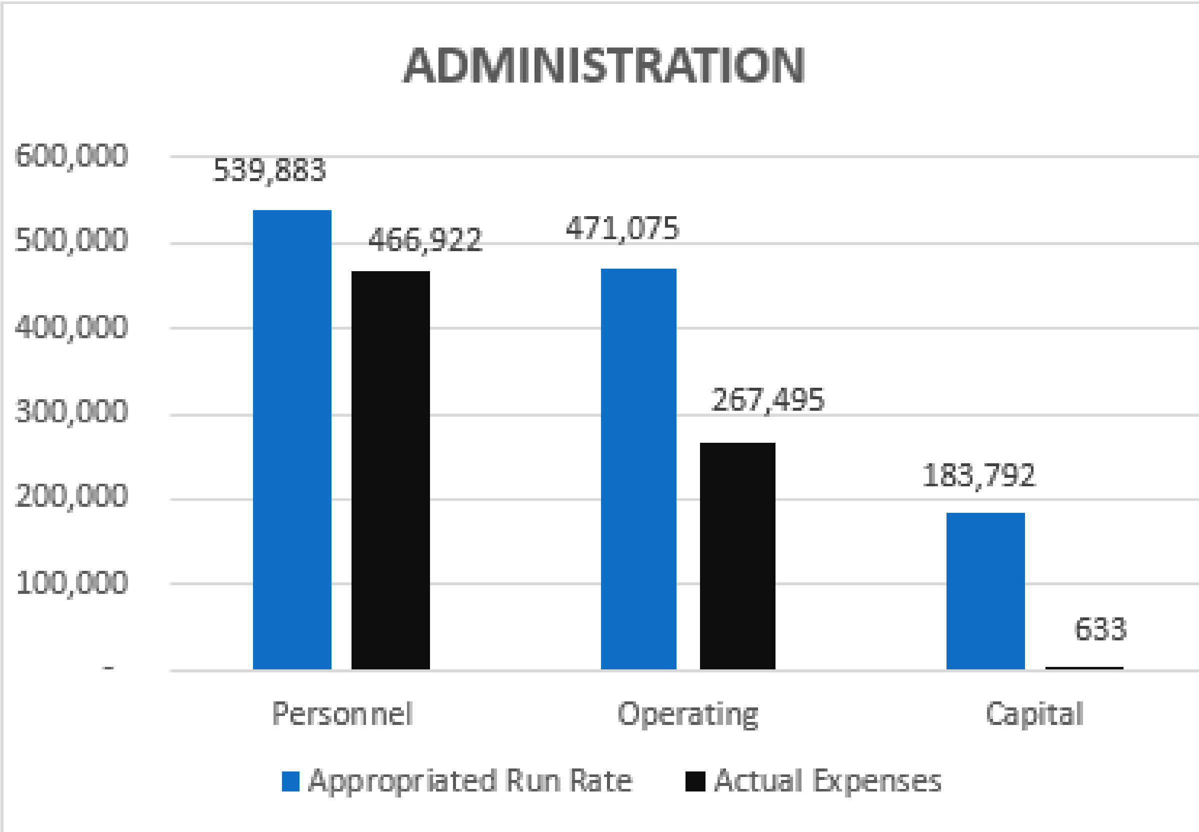
Expense Ratio Comparison

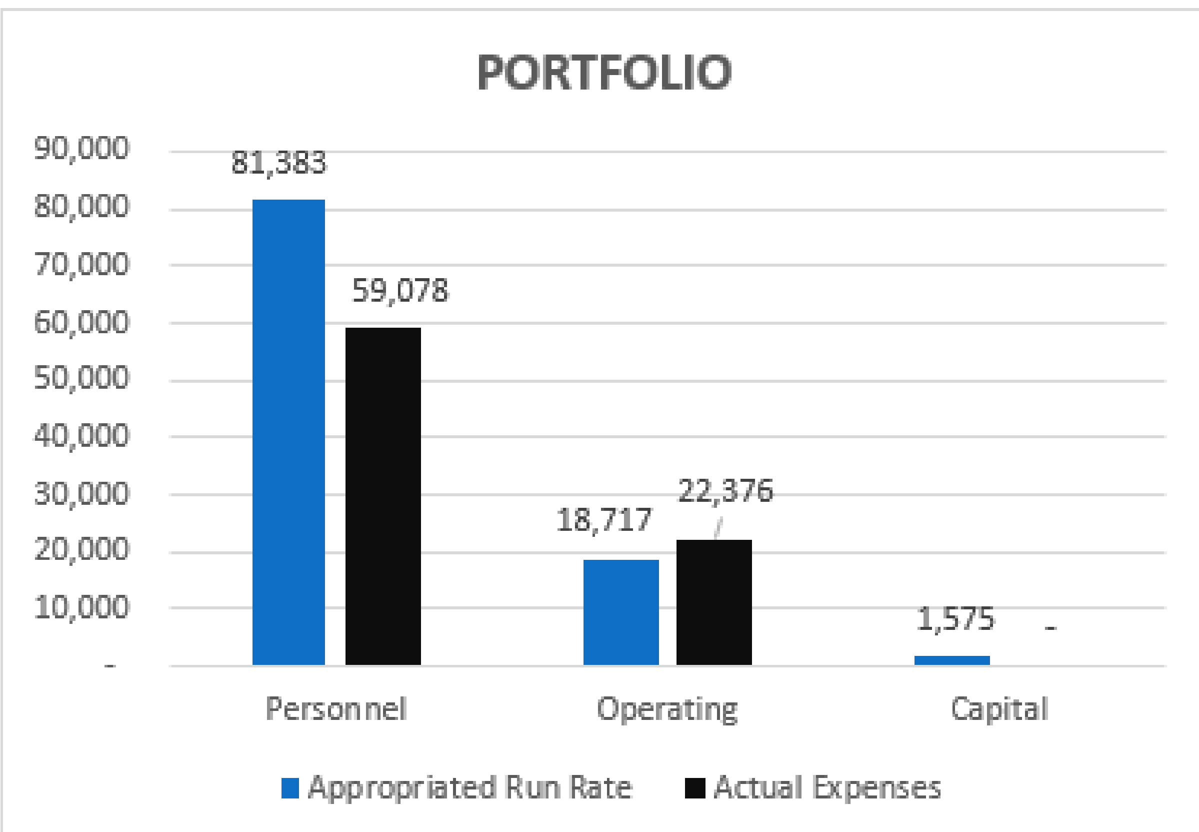
Cash Basis



	2020	2021	2022	2023	2024	2025
Budg Exp Ratio	33.6	34.8	31.1	35.6	35.6	35.6
YTD Actual	33.7	31.2	32.7	34.4	33.0	34.7

Budg Exp Ratio YTD Actual


ADMINISTRATION
600,000
500,000
400,000
300,000
200,000
100,000
-
539,883
466,922
471,075
267,495
183,792
633
Personnel
Operating
Capital
Appropriated Run Rate
Actual Expenses


PORTFOLIO
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
81,383
59,078
18,717
22,376
1,575
-
Personnel
Operating
Capital
Appropriated Run Rate
Actual Expenses

Scheduled and Completed Out of State Travel - Staff

Traveler	Request Created	Destination City/ State	Description	Dates of Travel	Final Voucher Amount
Richelle Sugiyama	X	Salt Lake City, UT	Markets Group Institutional Retreat	07/16/24-07/18/24	1,141.40
Richelle Sugiyama	X	Amsterdam/Netherlands	PPI Board Retreat/Summer Rndtble	07/06/24-07/13/24	5,253.03

UNAUDITED

PUBLIC EMPLOYEE RETIREMENT SYSTEM OF IDAHO

FINANCIAL STATEMENTS

FOR THE YEAR TO DATE

JUNE 30, 2024 AND 2023

Prepared by:	Kelly Schlangen	8/2/2024
	Kelly Schlangen, Senior Financial Specialist	Date
Reviewed by:	Parisa Gorji	8/2/2024
	Parisa Gorji, Accounting Manager	Date
Reviewed by:	Michael Anderson	8/2/2024
	Mike Anderson, Financial Executive Officer	Date

PUBLIC EMPLOYEE RETIREMENT SYSTEM OF IDAHO
FINANCIAL STATEMENTS FOR
JUNE 30, 2024

CONTENTS

UNAUDITED

	PERSI Pension Funds						Totals	
	Base Plan	Judges' Retirement Fund	Choice Plan 401(k)	Choice Plan 414(k)	Sick Leave Insurance Reserve Trust Fund - State	Sick Leave Insurance Reserve Trust Fund - Schools	Current Year-To-Date	Prior Year-To-Date
CASH AND CASH EQUIVALENTS	$ 36,276,445	$ 49,165	$ 2,713,089	$ 125,855	$ 452,033	$ 1,082,671	$ 40,699,259	$ 14,207,602
INVESTMENTS, at fair value (Note 1)								
Fixed Income Investments								
Domestic	5,774,301,113	30,133,353			126,055,414	182,298,635	6,112,788,514	5,485,078,816
International	9,401,371	49,061					9,450,433	14,661,129
Idaho Mortgages	774,646,127	4,042,513					778,688,639	760,773,847
Short-Term Investments	262,188,685	1,368,239	2,634,070				266,190,994	284,175,663
Real Estate Equities (Note 2)	1,020,623,908	5,326,155					1,025,950,062	1,211,577,521
Equity Securities								
Domestic	10,449,691,009	54,532,007			127,451,585	173,243,498	10,804,918,098	9,504,241,965
International	2,453,421,386	12,803,249			30,030,504	43,405,083	2,539,660,222	2,912,921,125
Private Equity	1,725,307,565	9,003,566					1,734,311,131	1,642,405,205
Mutual, Collective, Unitized Funds			1,585,285,539	58,209,127			1,643,494,666	1,475,487,842
Total Investments	22,469,581,164	117,258,142	1,587,919,608	58,209,127	283,537,503	398,947,216	24,915,452,760	23,291,323,113
RECEIVABLES								
Investments Sold (Note 1)	89,607,920	467,621					90,075,542	45,033,390
Contributions	27,095,679	526,926	1,815,004				29,437,610	9,865,672
Administrative Fee			184,928	8,372			193,300	184,309
Interest and Dividends	80,629,711	420,768	4,421,324	146,119			85,617,923	77,314,625
Total Receivables	197,333,311	1,415,316	6,421,257	154,491	-	-	205,324,375	132,397,996
ASSETS USED IN PLAN OPERATIONS (Note 3)	5,250,221						5,250,221	4,846,769
DUE FROM OTHER FUNDS							-	35,000
PREPAID EXPENDITURES (Note 4)	103,212,426						103,212,426	99,515,315
TOTAL ASSETS	22,811,653,567	118,722,623	1,597,053,954	58,489,474	283,989,536	400,029,887	25,269,939,041	23,542,325,795
LIABILITIES AND FUND BALANCE								
LIABILITIES								
Investments Purchased (Note 1)	162,293,645	846,934					163,140,579	119,122,833
Due to Other Funds							0	35,000
Accrued Liabilities (Note 5)	17,156,149	80,712	575,617	5,739	19,084	26,960	17,864,260	17,660,624
Benefits and Refunds Payable	570,485						570,485	0
TOTAL LIABILITIES	180,020,279	927,645	575,617	5,739	19,084	26,960	181,575,324	136,734,046
NET POSITION RESTRICTED FOR PENSIONS AND AMOUNTS HELD IN TRUST	$ 22,631,633,287	$ 117,794,978	$ 1,596,478,337	$ 58,483,735	$ 283,970,452	$ 400,002,927	$ 25,088,363,716	$ 23,405,591,749

See notes to financial statements

PUBLIC EMPLOYEE RETIREMENT SYSTEM OF IDAHO
COMBINING STATEMENT OF CHANGES IN PLAN POSITION - PENSION TRUST AND OTHER TRUST FUNDS
FOR THE YEAR TO DATE 06/30/2024 WITH COMPARATIVE TOTALS FOR PRIOR YEAR TO DATE

UNAUDITED

	PERSI Pension Funds						Totals	
	Base Plan	Judges' Retirement Fund	Choice Plan 401(k)	Choice Plan 414(k)	Sick Leave Insurance Reserve Trust Fund - State	Sick Leave Insurance Reserve Trust Fund - Schools	Current Year-To-Date	Prior Year-To-Date
ADDITIONS:								
Contributions								
Members	$ 359,388,202	$ 939,033	$ 83,545,730				$ 443,872,965	$ 416,673,873
Employers	558,297,606	5,961,080	10,736,833		(2,996)	(5,143)	574,987,380	532,172,323
Rollovers In			13,856,579				13,856,579	11,169,245
	917,685,808	6,900,113	108,139,142	-	(2,996)	(5,143)	1,032,716,924	960,015,441
Investment Income								
Net Appreciation/(Depreciation) in Fair Value of Investments	1,470,192,269	7,626,947	126,191,306	4,946,664	30,959,617	43,067,426	1,682,984,229	1,632,002,928
Interest, Dividends and Other Investment Income	443,990,814	2,316,787	28,435,286	120,747			474,863,632	417,495,119
Less: Investment Expenses	(61,306,533)	(316,927)	(3,526,187)	(9,445)	(104,329)	(134,073)	(65,397,495)	(65,159,076)
Net Investment Income	1,852,876,550	9,626,807	151,100,405	5,057,965	30,855,288	42,933,352	2,092,450,365	1,984,338,971
Other Revenue, Net	1,312,299	31,215			7,388	19,107	1,370,009	545,164
Total Additions	2,771,874,655	16,558,135	259,239,547	5,057,965	30,859,679	42,947,317	3,126,537,297	2,944,899,576
DEDUCTIONS:								
Benefits and Refunds Paid to Plan Members and Beneficiaries	1,310,676,343	9,658,785	86,714,220	3,925,203	5,657,496	13,683,196	1,430,315,242	1,373,641,183
Administrative Expenses	10,848,518	121,476	2,105,541	218,012	53,594	76,272	13,423,413	12,730,755
Total Deductions	1,321,524,861	9,780,261	88,819,761	4,143,215	5,711,091	13,759,467	1,443,738,656	1,386,371,938
INCREASE (DECREASE) IN NET POSITION	1,450,349,794	6,777,874	170,419,786	914,750	25,148,588	29,187,850	1,682,798,642	1,558,527,638
NET POSITION, BEGINNING OF YEAR	21,181,283,493	111,017,104	1,426,058,551	57,568,985	258,821,864	370,815,077	23,405,565,074	21,847,064,111
NET POSITION, YEAR-TO-DATE	$ 22,631,633,287	$ 117,794,978	$ 1,596,478,337	$ 58,483,735	$ 283,970,452	$ 400,002,927	$ 25,088,363,716	$ 23,405,591,749

See notes to financial statements

**PUBLIC EMPLOYEE RETIREMENT
SYSTEM OF IDAHO
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR TO DATE
JUNE 30, 2024**

NOTE 1 Portfolio Assets

Portfolio assets are reported at fair value. Investments Sold and Investments Purchased consist of foreign exchange contracts and security purchases and sales that have not yet settled.

NOTE 2 Real Estate Holdings

The amount reported for real estate investments does not reflect some publicly-traded REIT securities that Mellon Trust classifies as equity securities. Approximately $727,974,410 of such securities are classified as equity securities as of June 30, 2024.

NOTE 3 Assets Used in Plan Operations

These assets represent buildings, computer software development costs, and equipment used by PERSI. PERSI adheres to GASB Statement No.67, (an amendment of GASB Statement No. 25) which requires reporting of operating assets at historical cost net of accumulated depreciation. PERSI also follows GASB Statement No. 51, which requires the capitalization of certain software development costs. Depreciation and amortization are recorded using the straight-line method over the estimated useful lives of the assets. The estimated useful life is 30-50 years for the buildings, 10-15 years for the software development costs, and 3-5 years for the equipment.

Assets Used in Plan Operations at June 30, 2024, consist of the following:

Buildings and Improvements	$6,133,440
Less: Accumulated Depreciation	($6,133,440)
Net Buildings	$0
Computer Software - Arrivos	$14,820,737
Less: Accumulated Amortization - Arrivos	($9,833,472)
Net Software Development	$4,987,265
Equipment	$727,465
Less: Accumulated Depreciation	($464,509)
Net Equipment	$262,956
Assets Used in Plan Operations, Net	$5,250,221

Amortization expense for Arrivos for the year to date is $1,191,245. Depreciation expense on all equipment for the year to date is $92,912. Depreciation expense on the 607 building for the year to date is $445,455.

PUBLIC EMPLOYEE RETIREMENT
SYSTEM OF IDAHO
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEAR TO DATE
JUNE 30, 2024

NOTE 4 Prepaid Expenditures

Retiree payroll calculated in the current month, but not paid until the following month	$103,212,426
Total Prepaid Expenditures	$103,212,426

NOTE 5 Accrued Liabilities

Accrued Expenses consist of the following:

Administrative Expenses (DB, DC & JRF Admin Exp Payable)	$618,826
Stale Dated Checks Payable (DC checks over 4 months old)	$448,854
RMD Payable	$1,871,266
Investment Management Sick Leave - State	$19,084
Investment Management Sick Leave - School	$26,960
Investment Management (DB & JRF)	$14,879,270
Total Accrued Liabilities	$17,864,260

NOTE 6 Estimates

PERSI may use certain estimates in interim financial statements when it is more cost effective or timely than computing actual amounts and the difference between the estimates and actuals will not materially impact the financial statements as a whole.

2026 Budget Request
Proposed
ADMINISTRATION

Proposed Budget Request for FY 2026*

				FTP	PC	OE	CO	Total
FY 2025 Maintenance Budget				77.0	6,583,600	2,629,600		9,213,200
FY 2025 Enhancement Budget	2% CEC (PC), Arrivos Upgrade (OE), Capital Needs (CO)				110,000	3,000,000	345,700	3,455,700
								-
Less Adjustments:	Arrivos Upgrade, IT Replacements, 1st and 2nd Floor Cubes					(3,000,000)	(345,700)	(3,345,700)
								-
								-
2026 Base Budget				77.0	**6,693,600**	**2,629,600**	**-**	**9,323,200**
Adjustments:								
Estimate CEC per budget book	1.0%				54,679			54,679
Change in Health Benefits								-
Change in Variable Benefits								-
Inflation adjustment	5.0%					131,480		131,480
Total Adjustments					54,679	131,480	-	186,159
Replacements Items		Unit Cost	Quantity					
Standard Ultra-thin Laptop Computers		$1,600	15				24,000	24,000
Flat Panel Monitor		$280	32				8,960	8,960
High-end ultra-thin Laptop Computers		$3,500	2				7,000	7,000
Apple MacBook Pro		$3,900	1				3,900	3,900
HPE MSA SAN for DR Site		$170,000	1				170,000	170,000
PowerEdge R740 Server		$25,000	8				200,000	200,000
PowerEdge R330 Server		$15,000	1				15,000	15,000
PowerEdge R740XD Server		$68,000	1				68,000	68,000
HPE MSA 12-disk LFF Drive Enclosure		$45,000	1				45,000	45,000
Air Fiber Wireless Bridge		$400	3				1,200	1,200
PowerSwitch S5224F		$13,250	2				26,500	26,500
CISCO Quad Camera and Microphone Array		$17,000	1				17,000	17,000
Quantum Scalar Tape Backup Autoloader		$29,000	1				29,000	29,000
							-	-
Total Replacement Capital Outlay						-	615,560	615,560
Proposed 2026 Budget				77.0	6,748,279	2,761,080	615,560	10,124,919

Line Items (Enhancements):	FTP	PC	OE	CO	Total
Upgrade Arrivos to 2.0 (4 yr plan) Year 3-4			3,000,000		3,000,000
					-
					-
					-
Total Line Items (Enhancements)	0.0	-	3,000,000	-	3,000,000

		FTP	PC	OE	CO	Total
Proposed FY 2026 Budget Request*		**77.0**	**6,748,279**	**5,761,080**	**615,560**	**13,124,919**
	FY 2025 Budget	77.0	6,693,600	5,629,600	345,700	12,668,900
	FY 2026 Total % Change from FY2025	0.0%	0.8%	2.3%	78.1%	3.6%

Notes:
*** The numbers making up the budget request in this document are preliminary and may have revisions in the final budget request document presented to DFM and LSO in September.**

2026 Budget Request
Proposed
PORTFOLIO

Proposed Budget Request for FY 2026*

				FTP	PC	OE	CO	Total
FY 2025 Maintenance Budget				4.0	988,800	218,100		1,206,900
FY 2025 Enhancement Budget	2% CEC (PC) and Capital Needs (CO)				14,400		18,900	33,300
								-
Less Adjustments:	Capital Needs						(18,900)	(18,900)
								-
								-
2026 Base Budget				4.0	**1,003,200**	**218,100**	**-**	**1,221,300**
Adjustments:								
Estimate CEC per budget book @	1.0%				7,673			7,673
Change in Health Benefits								-
Change in Variable Benefits								-
Inflaction Adjustment	5.0%					10,905		10,905
								-
Total Adjustments					7,673	10,905	-	18,578
Replacements Items		Unit Cost	Quantity					
Bloomberg Terminals		$900	2				1,800	1,800
Laptop Computers		$2,400	3				7,200	7,200
Investment Officer TV Montor		$900	1				900	900
Flat Panel Monitors		$280	4				1,120	1,120
Office Furniture		$7,000	1				7,000	7,000
Conference Room TV		$1,900	1				1,900	1,900
							-	-
							-	-
Total Replacement Capital Outlay						-	19,920	19,920
Proposed 2026 Budget				4.0	1,010,873	229,005	19,920	1,259,798
Line Items (Enhancements):				FTP	PC	OE	CO	Total
Board Travel						25,000		25,000
								-
								-
								-
Total Line Items (Enhancements)				0.0	-	25,000	-	25,000
Proposed FY 2026 Budget Request*				**4.0**	**1,010,873**	**254,005**	**19,920**	**1,284,798**
	FY 2025 Budget			4.0	1,003,200	218,100	18,900	1,240,200
	FY 2026 Total % Change from FY2025			0.0%	0.8%	16.5%	5.4%	3.6%

Notes:
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PERSI
www.persi.idaho.gov

Meeting of the PERSI Retirement Board
September 24, 2024 │ 2:00 P.M. - 4:30 P.M.

PERSI Office - 607 N. 8th St. Boise, ID 83702

AGENDA

Tuesday, August 20

8:30 AM		Call to Order │ Welcome	Jeff Cilek
	III.	Approval of Minutes	Jeff Cilek
		A. Draft of August 19 and August 24, 2024 Minutes *	
8:35 AM	IV.	Investments │ Portfolio	Richelle Sugiyama
		A. Portfolio Monthly Update	Richelle Sugiyama, Chris Brechbuhler
		B. PERSI Manager -	
		C. Placeholder	
9:30 AM	V.	Board Governance	Jeff Cilek
		A. Update Securities Litigation Policy (GPM § III.22.B) *	Darin DeAngeli
9:45 AM		Break	
10:00 AM	VI.	Operations │ Administration	Mike Hampton
		A. Operations │ Administration Update	Alex Simpson
		B. Acturial Valuation Draft - Milliman	Robert Schmidt, Ryan Cook
		C. Contribution Rate Discussion	Mike Hampton
10:55 AM	VII.	Fiscal │ Budget	Mike Anderson
		A. Financial Reports	
11:05 AM	VIII.	Board	Jeff Cilek
		A. Future Agenda Review	
		B. Trustee Call for Future Agenda Items *	
		C. Signature Authorization Form Update *	
11:20 AM	**	Executive Session - Idaho Code § 74-206 (1)(a)(b)(f)*	Jeff Cilek
12:00 PM		Adjournment	

* Decision / Action of the Board Requested
** For the purpose of entering into Executive Session

PERSI
Public Employee Retirement System ofldaho

ACKNOWLEDGMENT OF SPECIMEN SIGNATURES OF RETIREMENT BOARD MEMBERS AND INDIVIDUALS DESIGNATED BY THE RETIREMENT BOARD AS AUTHORIZED SIGNERS

The undersigned members of the Retirement Board of the Public Employee Retirement System of Idaho do hereby acknowledge that the signatures affixed to this acknowledgement are accurate specimens of the same and may be relied upon for the purposes as indicated.

The Chairman of the Board, or the Acting Chair, is hereby designated as the individual authorized to sign acknowledgements or authorizations on behalf of the Board. In the case none of the individuals authorized below are available, the Chairman may sign the listed documents.

<u>Category 1 Authorizations:</u> In order of authorization the Executive Director, Chief Investment Officer, Deputy Director and Deputy Chief Investment Officer are authorized to sign the following:

Contracts and agreements:

- Investment Manager
- Private equity and real estate managers
- Investment consultants
- Custodial banks
- Funding agents
- Other banking relationship
- Open and close accounts at any bank, custodial depository or similar institution
- Documentation for global or international transaction

Instructions to investment manager:

- Rebalancing of the portfolio
- Funding new managers or increase/decrease funding of existing managers
- Divesting cash or securities for PERSI operations such as retiree payroll, separations benefits or operations

- Investing excess cash from contributions or other sources.

Category 2 Authorizations: In order of authorization the Financial Executive Officer, Executive Director, Deputy Director, Chief Investment Officer and Deputy Chief Investment Officer are authorized to sign the following:

Instructions to PERSI Custodial Banks

- Buy and sell short term instruments
- Transfer between accounts within the custodial system
- Transfer to or from another financial institution (i.e. US Bank, Wells Fargo, etc.)
- Write off worthless securities
- Payment of investment manager, actuary, audit, legal and other fees
- Wire funds for capital calls outside the custodial system for private equity, real estate and commercial mortgages.

Generally, an individual who has authorized a Category 1 transaction cannot authorize the same Category 2 transaction. For example, an individual cannot instruct the divestiture of funds from a manager and instruct the custodial bank to transfer the same funds to a specific account.

This acknowledgment hereby supersedes and replaces all prior consents, acknowledgments and authorizations granted by the Board or in their individual capacities as Board members, and hereby removes any authorizations granted any individual not named in this document.

THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the instrument has been executed by the Retirement Board on this _____ day of August 2024

RETIREMENT BOARD OF THE PUBLIC EMPLOYEE RETIREMENT SYSTEM OF IDAHO

____
JEFF CILEK, CHAIR

____
JOY FISHER, VICE CHAIR

____
PARK PRICE, TRUSTEE

____
DARIN DEANGELI, TRUSTEE

____
LORI WOLFE, TRUSTEE

ACKNOWLEDGEMENT OF THE SPECIMEN SIGNATURES OF INDIVIDUALS DESIGNATED BY THE RETIREMENT BOARD AS AUTHORIZED SIGNERS

____
MICHAEL HAMPTON
EXECUTIVE DIRECTOR

____
ALEX SIMPSON
DEPUTY DIRECTOR

____
RICHELLE SUGIYAMA
CHIEF INVESTMENT OFFICER

____
CHRIS BRECHBUHLER
DEPUTY CHIEF INVESTMENT OFFICER

____
MIKE ANDERSON
FINANCIAL EXECUTIVE OFFICER

PERSI
Public Employee Retirement System ofldaho

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JEFF CILEK, CHAIR	JOY FISHER, VICE CHAIR
______________________________	______________________________
PARK PRICE, TRUSTEE	DARIN DEANGELI, TRUSTEE
______________________________	
LORI WOLFE, TRUSTEE	

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______________________________	______________________________
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______________________________	______________________________
RICHELLE SUGIYAMA CHIEF INVESTMENT OFFICER	CHRIS BRECHBUHLER DEPUTY CHIEF INVESTMENT OFFICER
______________________________	
MIKE ANDERSON FINANCIAL EXECUTIVE OFFICER	