

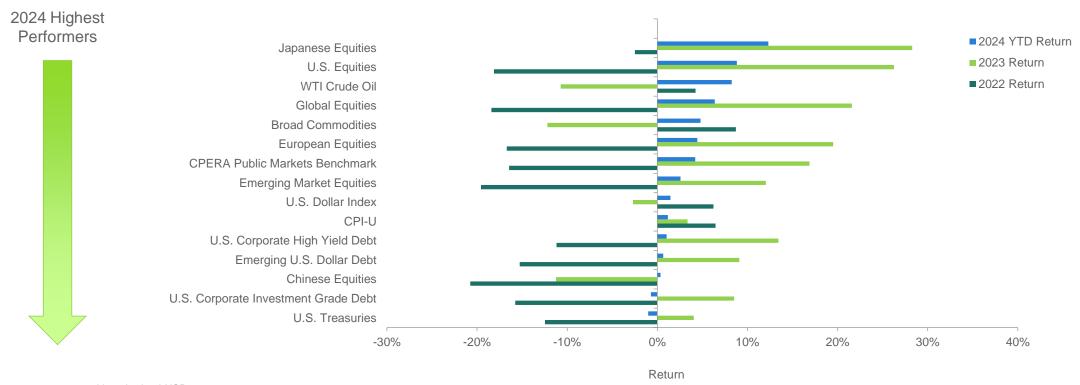
# Market & Portfolio Update

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Interim Executive Director/Chief Investment Officer
March 15, 2024



# Market Performance: 2024 YTD\* vs. 2023 and 2022 Calendar Years

Equities (non-China) have continued their upward trend from 2023. Fixed income is negative YTD and Chinese securities are slightly positive after two years of negative performance.



All returns are presented in unhedged USD terms CPI-U YTD as of 2/29/2024 \*YTD as of 3/12/2024

### **Correlation Between Equities and Fixed Income**

Correlations between stock and bond returns remain modestly positive, after a brief normalization

in the first half of 2023.



Correlation between S&P 500 Index and ICE U.S. Treasury 7-10 Year Bonds Index. Correlation calculated on a 50-day rolling basis. Returns data through 3/12/2024

### **Global Equity Market Volatility**

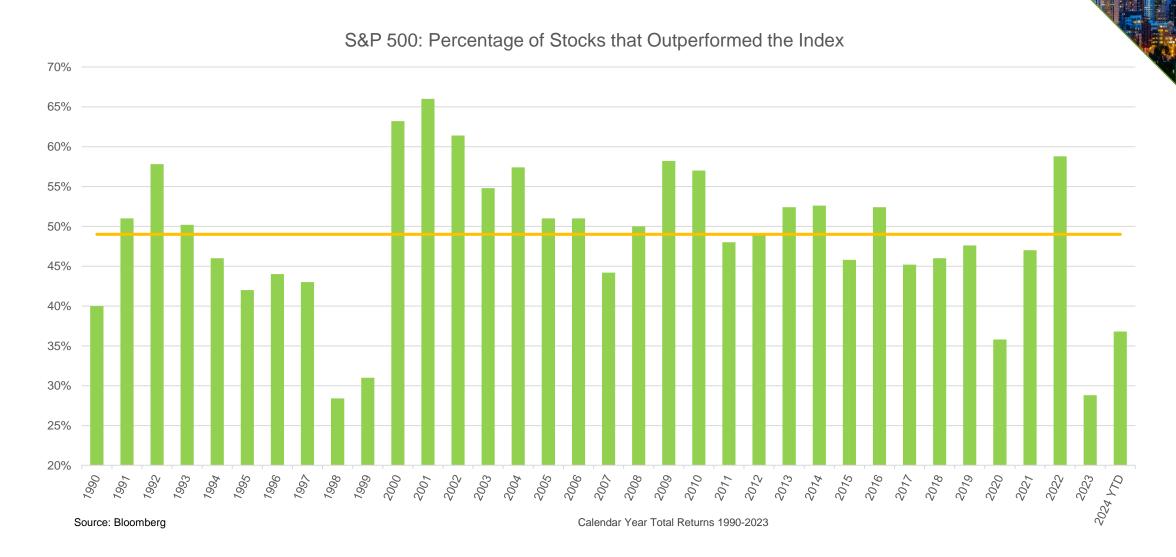
#### MSCI ACWI Intra-Year Declines vs. Calendar Year Returns

Despite average intra-year decline of 16%, annual returns were positive in 22 of 30 years

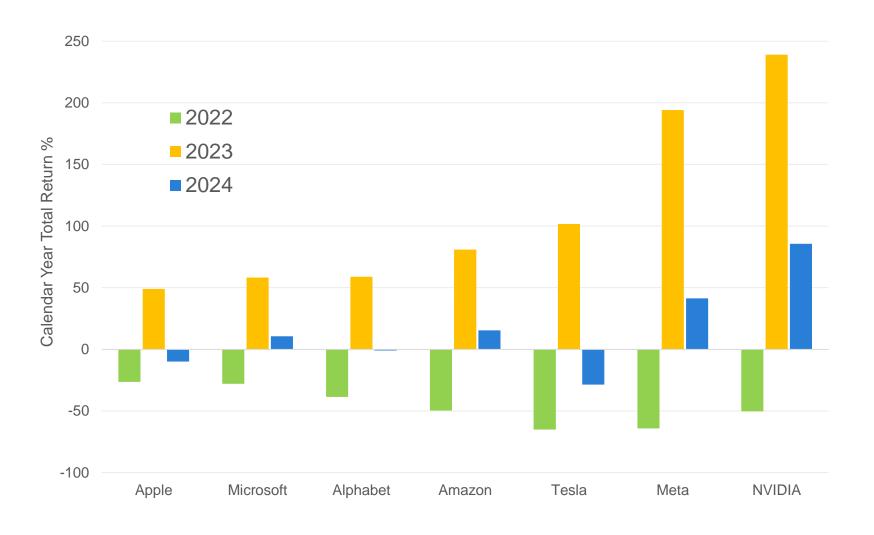


1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 YTD (3/12)

### U.S. Stock (S&P 500 Index) Movers

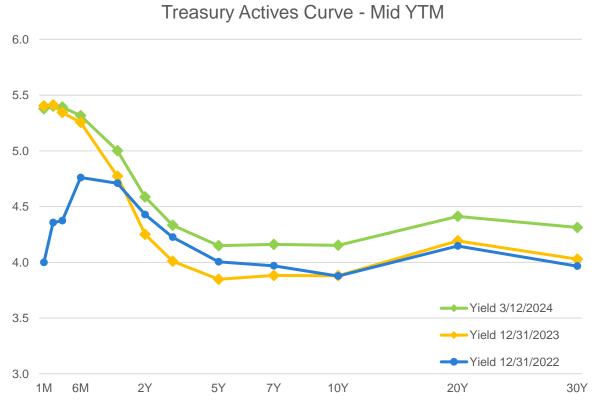


### **Magnificent Seven Yearly Returns**





### **Treasury Yield Curve**

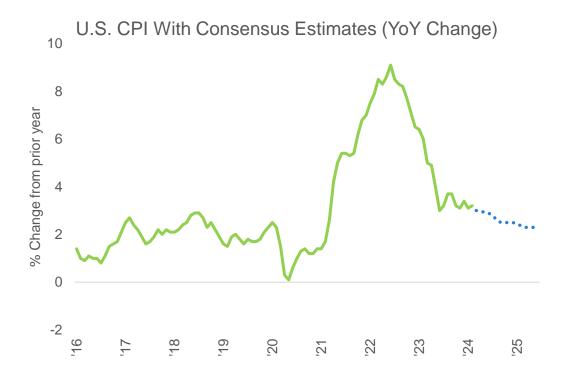


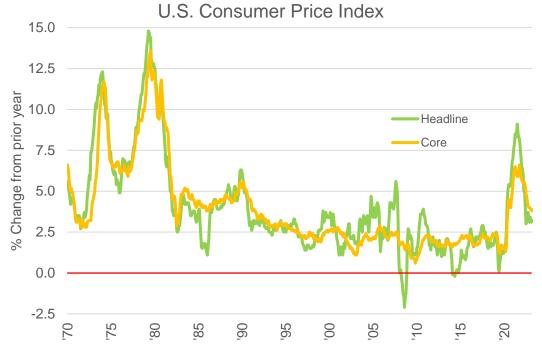
Tenor	Yield 3/12/24	Yield 12/31/23	Yield 12/31/22	Change Dec 22 - Mar 24
1M	5.38%	5.40%	4.00%	1.38%
2M	5.40	5.41	4.36	1.04
3M	5.39	5.34	4.37	1.02
4M	5.37	5.38	4.61	0.77
6M	5.32	5.26	4.76	0.56
1Y	5.00	4.77	4.71	0.29
2Y	4.59	4.25	4.43	0.16
3Y	4.33	4.01	4.23	0.11
5Y	4.15	3.85	4.01	0.14
7Y	4.16	3.88	3.97	0.19
10Y	4.15	3.88	3.88	0.28
20Y	4.41	4.19	4.15	0.27
30Y	4.31	4.03	3.97	0.35

- Concerns about inflation, interest rates, and the wars in Israel and Ukraine continue to cloud the macro backdrop
- Federal Funds Rate rose 525 bps since March 2022 (from near zero)

#### **Inflation Estimates**

Economist surveys point to a continuing reduction inflation trends over the next 18 months





Source: Bureau of Labor Statistics

### **Aon Updates**

- January 2024: SEC settlement regarding a misstated return and subsequent actions with Pennsylvania State Employees Retirement System (PSERS)
  - Staff had multiple discussions with Aon regarding the matter, including one with Judge Freyre
    - Introduced a more significant role for the "Executive Sponsor" as an additional point of contact
    - Steve Voss had been Executive Sponsor; transitioning to Bryan Ward
    - Contact info for Katie Comstock, Richard Parker, and Bryan Ward more prominent in New Trustee
      Orientation materials and posted in Boardvantage under "Supplemental Investment Materials" (not shown
      here for privacy reasons)
      - » Investment Consultant—Aon Investments:
      - Reports directly to the Board.
      - Consultant for PERA since 2003.
      - Katie Comstock is the Lead Consultant and the primary contact for general
        consulting needs. Richard Parker is also a Lead Consultant and the primary contact
        for asset allocation related topics. The Executive Sponsor is Bryan Ward who
        oversees the entire relationship at the executive level.
      - Selected and evaluated by the Board.



Katie Comstock

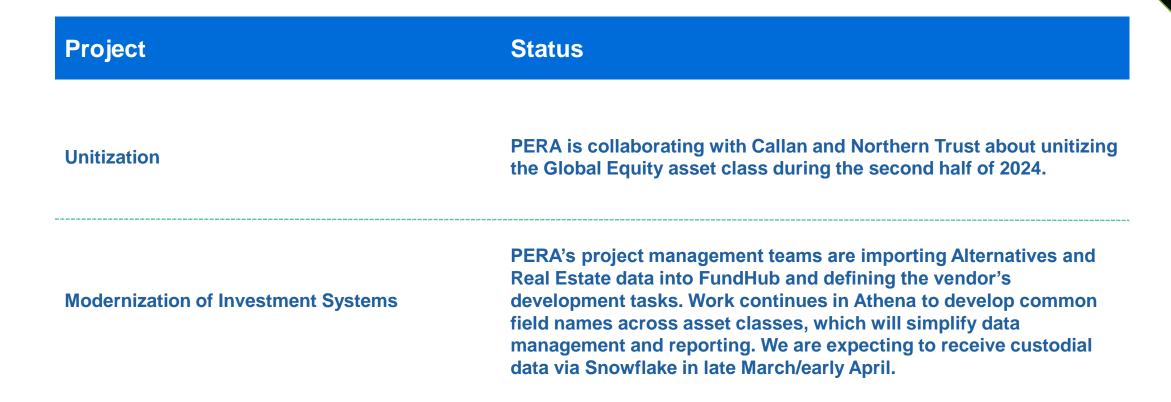


Richard Parker



Bryan Ward

### 2024+ Projects: Investments/Collaborative



#### **Investment Activities**

- Alternatives RFP for investment research services
  - Responses were due March 1<sup>st</sup>
  - Staff is currently reviewing submissions
  - Will determine what, if any, firms to interview
- Proxy Voting Policy review kicked-off yesterday in Investment Committee
- Monitoring of additional Russian sanctions



## **Questions?**





# **APPENDIX**

### **Asset Allocation Policy**

#### **Policy**

Asset class weights will be within permissible ranges

#### **Status**

All asset class weights within permissible ranges

Asset Class	Policy Benchmark Weight	Actual Weight* (Jan 31, 2024)	Range
Global Equity	54.0%	54.8%	48% - 60%
Fixed Income	23.0%	18.8%	18% - 28%
Private Equity	8.5%	8.4%	4% - 13%
Real Estate	8.5%	10.8%	4% - 13%
Alternatives	6.0%	6.7%	0% - 12%
Cash/Short Term**	0.0%	0.4%	0% - 3%
Total	100%	100%	



<sup>\*</sup> December 2023 weights are preliminary. Transitional cash remains within respective asset classes

<sup>\*\*</sup> Includes Cash Overlay

### **Active Risk Policy**

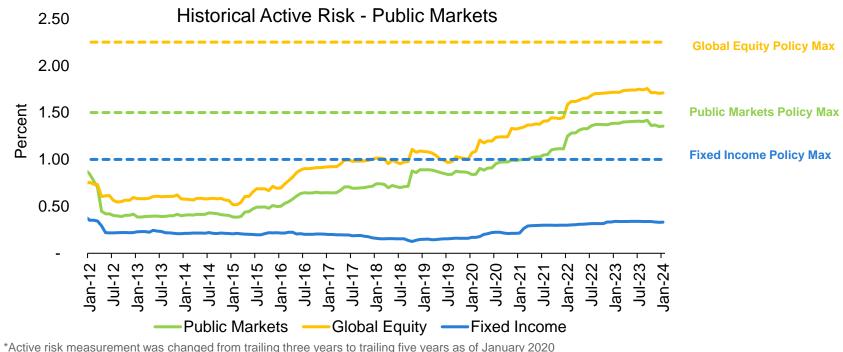
#### **Policy**

Active risk within public market asset classes (i.e., Global Equity and Fixed Income) and the total public markets portfolio will not exceed maximums

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Active risk levels are within policy limits

Active Risk					
	Five-Year Tracking	<b>Active Risk Policy</b>			
Asset Class	<b>Error in Basis Points</b>	Maximum in Basis			
	31-Jan-24	Points			
Global Equity	171	225			
Fixed Income	33	100			
<b>Total Public Markets</b>	135	150			



#### **Portfolio Monitor**

#### ASSET CLASS STRATEGY

#### **Global Equity**

Portfolio retains higher quality bias. No material sector or geographic overweights or underweights relative to the benchmark.

#### **Fixed Income**

The portfolio is biased to be overweight spread product, take on limited duration risk, and generate the majority of outperformance from security selection and asset allocation. Short term dislocations may cause volatility in performance; however, long term the portfolio is expected to outperform the benchmark.

#### **Private Equity**

Fundraising and investment activity continues at a slower pace. Vintage construction enhanced by previously closed, but uncalled opportunities. Focus on high quality re-up opportunities and one or two select new managers. Reviewing portfolio management options with existing PE sponsors.

#### **Real Estate**

Weakening real estate fundamentals and increased cost of borrowing has led to declining valuations. Capitalization rates have been rising yet transaction volume has slowed substantially. Portfolio overweight to industrial and multifamily has been strong yet appears to be reversing course due to both capital and economic headwinds.

#### **Alternatives**

Real assets including infrastructure, agriculture and timber offer attractive yields in a period of higher inflation. Certain asset-backed credit strategies, such as leasing also appear to offer good value, as banks continue to retrench from traditional finance activities. As older private debt issues reach maturity over the next two years, there will be demand for special situations capital which can provide flexible capital solutions for refinancing or restructuring debt. Existing distressed managers have substantial dry powder available to pursue value transactions in a risk off environment.