# Callan

June 11, 2024

Pennsylvania State Employees' Retirement System – 457(b) Plan

First Quarter 2024

**Executive Summary** 

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# Callan

**Market Environment** 

# **Equity Markets Climb in 1Q, Bonds Falter**

Stocks have recovered losses of 2022; bonds still have ground to make up

#### S&P Index 500 climbed 10.6% in 1Q24

- Stocks continued their momentum from the end of last year when the index surged 11.7% in 4Q23.
- The S&P 500 has fully recovered after falling 18.1% in 2022.

#### Fixed income faltered in 1Q24

- The Bloomberg Aggregate fell 0.8% amid rising rates in 1Q24.
- Interest rates have been volatile as the markets assess when and how swiftly the Fed will begin easing.
- CPI-U declined during 2023 but remains stalled at 3.5% in 1Q (year-over-year); the inflation index is 13% higher than it was at the start of 2022.
- Grinding out the last bit of stubborn inflation to get to the Fed's broad 2% goal may take longer than expected.

#### First signs of cooling for economy

 The initial estimate for 1Q24 GDP growth came in at 1.6%, failing to meet consensus expectations of 2.5% to 3%.

#### Returns for Periods ended 3/31/24

			1/1/22 -			
	Quarter	1 Year	Current	5 Years	10 Years	25 Years
U.S. Equity						
Russell 3000	10.02	29.29	5.15	14.34	12.33	8.01
S&P 500	10.56	29.88	6.13	15.05	12.96	7.78
Russell 2000	5.18	19.71	-0.96	8.10	7.58	8.37
Global ex-U.S. Equity						
MSCI World ex USA	5.59	15.29	2.94	7.48	4.81	4.78
MSCI Emerging Markets	2.37	8.15	-4.65	2.22	2.95	
MSCI ACWI ex USA Small Cap	2.11	12.80	-2.48	6.24	4.74	7.20
Fixed Income						
Bloomberg Aggregate	-0.78	1.70	-4.06	0.36	1.54	3.84
90-day T-Bill	1.29	5.24	3.45	2.02	1.38	1.91
Bloomberg Long Gov/Credit	-2.41	-1.15	-11.36	-0.62	2.32	5.25
Bloomberg Global Agg ex-US	-3.21	-0.71	-7.85	-2.49	-1.38	2.34
Real Estate						
NCREIF Property	-0.98	-7.16	-1.71	3.76	6.41	7.88
FTSE Nareit Equity	-0.20	10.54	-6.56	4.15	6.61	9.48
Alternatives						
HFRI Fund Weighted	4.52	11.68	3.62	6.92	4.93	6.35
Cambridge Private Equity*	-0.42	4.17	2.69	14.59	14.27	13.87
Bloomberg Commodity	2.19	-0.56	4.01	6.38	-1.56	2.70
Gold Spot Price	8.04	12.70	9.40	11.51	5.72	8.64
CPI-U	1.82	3.48	5.18	4.20	2.83	2.58

Returns greater than one year are annualized. Sources: Bloomberg, Callan, Cambridge, FTSE Russell, HFRI, MSCI, NCREIF, S&P Dow Jones Indices



<sup>\*</sup>Cambridge PE data as of 9/30/23.

# **Diversification Remains Key Risk Control**

#### Periodic Table of Investment Returns

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	1 Qtr. 2024
Emerging Markets	Emerging Markets	Emerging Markets	U.S. Fixed	Emerging Markets	Small Cap	Real Estate Funds	Emerging Markets	Small Cap	Large Cap	Real Estate Funds	Small Cap	Emerging Markets	Real Estate Funds	Large Cap	Small Cap	Large Cap	Real Estate Funds	Large Cap	Large Cap
34.00%	32.17%	39.38%	5.24%	78.51%	26.85%	14.96%	18.23%	38.82%	13.69%	13.95%	21.31%	37.28%	7.36%	31.49%	19.96%	28.71%	6.55%	26.29%	10.56%
Real Estate Funds	Non-U.S. Equity	Real Estate Funds	Non-U.S. Fixed	High Yield	Emerging Markets	U.S. Fixed	Non-U.S. Equity	Large Cap	Real Estate Funds	Large Cap	High Yield	Non-U.S. Equity	Cash Equivalent	Small Cap	Large Cap	Real Estate Funds	Cash Equivalent	Non-U.S. Equity	Non-U.S. Equity
20.15%	25.71%	14.84%	4.39%	58.21%	18.88%	7.84%	16.41%	32.39%	11.46%	1.38%	17.13%	24.21%	1.87%	25.52%	18.40%	21.02%	1.46%	17.94%	5.59%
Non-U.S. Equity	Small Cap		Cash Equivalent	Non-U.S. Equity	Real Estate Funds	High Yield	Small Cap	Non-U.S. Equity	U.S. Fixed	U.S. Fixed	Large Cap	Large Cap	U.S. Fixed	Non-U.S. Equity	Emerging Markets	Small Cap	Hedge Funds	Small Cap	Hedge Funds
14.47%	18.37%	12.56%	2.06%	33.67%	15.26%	4.98%	16.35%	21.02%	5.97%	0.55%	11.96%	21.83%	0.01%	22.49%	18.31%	14.82%	1.06%	16.93%	5.30%
	Large Cap	Non-U.S. Equity	Real Estate Funds	Small Cap	High Yield	Non-U.S. Fixed	Large Cap	Real Estate Funds	Small Cap	Cash Equivalent	Emerging Markets	Small Cap	High Yield	Emerging Markets	Non-U.S. Fixed	Non-U.S. Equity	High Yield	High Yield	Small Cap
7.61%	15.79%	12.44%	-10.70%	27.17%	15.12%	4.36%	16.00%	12.90%	4.89%	0.05%	11.19%	14.65%	-2.08%	18.44%	10.11%	12.62%	-11.19%	13.44%	5.18%
Large Cap	Real Estate Funds	Non-U.S. Fixed	Hedge Funds	Large Cap	Large Cap	Large Cap	High Yield	Hedge Funds	Hedge Funds		Real Estate Funds	Non-U.S. Fixed	Non-U.S. Fixed	High Yield	Non-U.S. Equity	Hedge Funds	U.S. Fixed	Emerging Markets	Emerging Markets
4.91%	15.27%	11.03%	-19.07%	26.47%	15.06%	2.11%	15.81%	9.73%	4.13%	-0.71%	7.79%	10.51%	-2.15%	14.32%	7.59%	8.23%	-13.01%	9.83%	2.37%
Small Cap	Hedge Funds	U.S. Fixed	High Yield	Hedge Funds	Hedge Funds	Cash Equivalent	Real Estate Funds	High Yield	High Yield	Non-U.S. Equity	Non-U.S. Equity	High Yield	Hedge Funds	Hedge Funds	U.S. Fixed	High Yield	Non-U.S. Equity	Hedge Funds	High Yield
4.55%	13.86%	6.97%	-26.16%	18.57%	10.95%	0.10%	9.79%	7.44%	2.45%	-3.04%	2.75%	7.50%	-3.19%	9.31%	7.51%	5.28%	-14.29%	5.83%	1.47%
Cash Equivalent	High Yield	Large Cap	Small Cap	Non-U.S. Fixed	Non-U.S. Equity	Hedge Funds	Hedge Funds	Cash Equivalent	Cash Equivalent	Small Cap	U.S. Fixed	Hedge Funds	Large Cap	U.S. Fixed	High Yield	Cash Equivalent	Large Cap	Non-U.S. Fixed	Cash Equivalent
3.06%	11.85%	5.49%	-33.79%	7.53%	8.95%	-2.52%	7.67%	0.07%	0.04%	-4.41%	2.65%	7.12%	-4.38%	8.72%	7.11%	0.05%	-18.11%	5.72%	1.29%
High Yield	Non-U.S. Fixed	Cash Equivalent	Large Cap	U.S. Fixed	U.S. Fixed	Small Cap	U.S. Fixed	U.S. Fixed	Emerging Markets	High Yield	Non-U.S. Fixed	Real Estate Funds	Small Cap	Non-U.S. Fixed	Hedge Funds	U.S. Fixed	Non-U.S. Fixed	U.S. Fixed	U.S. Fixed
2.74%	8.16%	5.00%	-37.00%	5.93%	6.54%	-4.18%	4.21%	-2.02%	-2.19%	-4.47%	1.49%	6.66%	-11.01%	5.09%	6.36%	-1.54%	-18.70%	5.53%	-0.78%
U.S. Fixed	Cash Equivalent	High Yield	Non-U.S. Equity	Cash Equivalent	Non-U.S. Fixed	Non-U.S. Equity	Non-U.S. Fixed	Emerging Markets	Non-U.S. Fixed	Non-U.S. Fixed	Hedge Funds	U.S. Fixed	Non-U.S. Equity	Real Estate Funds	Cash Equivalent	Emerging Markets	Emerging Markets	Cash Equivalent	Real Estate Funds
2.43%	4.86%	1.87%	-43.56%	0.21%	4.95%	-12.21%	4.09%	-2.60%	-3.09%	-6.02%	1.25%	3.54%	-14.09%	4.39%	0.67%	-2.54%	-20.09%	5.01%	-2.58%
Non-U.S. Fixed	U.S. Fixed	Small Cap	Emerging Markets	Real Estate Funds	Cash Equivalent	Emerging Markets	Cash Equivalent	Non-U.S. Fixed	Non-U.S. Equity		Cash Equivalent	Cash Equivalent	Emerging Markets	Cash Equivalent	Real Estate Funds	Non-U.S. Fixed	Small Cap	Real Estate Funds	Non-U.S. Fixed
-8.65%	4.33%	-1.57%	-53.33%	-30.40%	0.13%	-18.42%	0.11%	-3.08%	-4.32%	-14.92%	0.33%	0.86%	-14.57%	2.28%	0.34%	-7.05%	-20.44%	-12.73%	-3.21%

Bloomberg Barclays Corp High Yield
 Bloomberg Barclays Global Aggregate ex US
 Bloomberg Barclays US Aggregate



 <sup>◆</sup> Credit Suisse Hedge Fund
 ◆ ICE BofAML US 3-Month Treasury Bill
 ◆ MSCI Emerging Markets
 ◆ MSCI World ex USA

<sup>●</sup> NFI-ODCE (value-weighted net) ● Russell 2000 ● S&P 500

### **DC Trends Survey Summary**

This year's annual DC Trends Survey included responses from 132 plan sponsors, both Callan clients and other organizations. Respondents spanned a wide range of industries, with financial services and government being the most prevalent. Of all respondents, 64% were "mega plans" with more than \$1 billion in assets, and 58% had more than 10,000 participants. Responses were collected in the fall/winter of 2023. Highlights from this year's survey:

**AREAS OF FOCUS:** Plan governance and process have consistently ranked as one of the top priorities for plan sponsors and was so again in 2023. Investment management fees and administration fees rounded out the top three.

FIDUCIARY INITIATIVES: Plans cited the following as main areas of focus for 2024:

- Review Plan Fees
- Update or Review the IPS
- Review the Investment Structure

**INVESTMENT MENU:** 91% of DC plans had a mix of active and passive investment funds. Purely passive and purely active lineups remained a rarity.

**INVESTMENT VEHICLES:** Collective investment trusts (82%) and mutual funds (80%) continued to be the most prevalent investment vehicles. Brokerage windows are offered by 53% of plan sponsors.

**TARGET DATE FUNDS:** Nearly all plans offered a target date fund (TDF), with 90% using it as the default. Among those that offer TDFs, 79% used an implementation that was at least partially indexed. In 2023, over 75% of plans took at least one action around their TDF. The most common were to evaluate the suitability of the underlying funds (76%) and the suitability of the glidepath (67%).

**MANAGED ACCOUNTS:** 58% of respondents offer managed account services. Larger plans (> \$1 billion) were more likely to offer managed account services. 84% monitor or benchmark their managed account service.

**FEES:** 59% of respondents reviewed their all-in administrative fees within the last year and 80% reviewed investment management fees over that same time period. More than half of plans evaluate sources of indirect revenues when conducting all-in administrative fee reviews.

**RETAINING ASSETS:** Of plans with a policy regarding retaining the assets of terminated or retired participants, 81% sought to retain retiree assets while 61% sought to retain terminated assets. This is a notable increase from 2015 when only 44% sought to retain the assets of these types of participants.

**RETIREMENT INCOME:** Over 80% of plans offered some sort of retirement income solution in 2023. Installment payments (78%) and partial distributions (76%) were the most common solutions. Only 5% of plan sponsors offered qualified longevity annuity contracts (QLACs) or longevity insurance.

**ROLLOVERS IN:** Most plan sponsors reported they offer participants the opportunity to roll in qualified assets from their previous employer. Of these, only 22% actively promote this plan feature. Further, 56% of plan sponsors indicated that less than 10% of participants actually rolled in assets from their previous employers' qualified plan.



### **DC Legal & Regulatory Updates**

#### DOL Fiduciary Rule: April 2024 Update to Original Rule Proposed in October 2023

- ▶ The new rule contrasts with the existing ~50-year-old rule, where a provider is a fiduciary only if, among other things, the advice is provided on a "regular basis" to a specific individual and there is a "a mutual agreement, arrangement, or understanding" that the advice will serve as "a primary basis for investment decisions"
  - The current rule (c. 1975) utilizes a 5-part test to determine "investment advice fiduciary" status under ERISA
- ▶ Under the new rule, those who meet any of the following would qualify as fiduciary for investment advice:
  - The person either directly or indirectly makes professional investment recommendations to investors on a regular basis as part of their business (but need not provide regular advice to that specific investor) and the recommendation is made under circumstances that would indicate to a reasonable investor-that the recommendation:
    - is based on review of the retirement investor's particular needs or individual circumstances,
    - reflects the application of professional or expert judgment to the retirement investor's particular needs or individual circumstances, and
    - may be relied upon by the retirement investor as intended to advance the retirement investor's best interest; or
  - The person represents or acknowledges that they are acting as a fiduciary under Title I of ERISA, Title II of ERISA, or both with respect to the recommendation. The recommendation also must be provided "for a fee or other compensation, direct or indirect" as defined in the final rule
- ▶ Notably, the new regulation would extend ERISA's fiduciary requirements to one-time advice, including rollovers to individual retirement accounts (IRAs) and annuity purchases
- ► The DOL further clarified that HR and other employees of the plan sponsor who are not investment professionals but interact with plan participants would not be considered an investment advice fiduciary
- ▶ The rule is set to go into effect on Sept. 23, 2024, and the industry would have another year to fully comply
- ► The investment advice fiduciaries will be required to satisfy a technical exemption and ensure they are not engaging in a prohibited transaction (i.e., earning compensation), including meeting various disclosure requirements, adhering to impartial conduct standards, which are substantially identical to ERISA's duties of care and loyalty, and charging no more than reasonable compensation

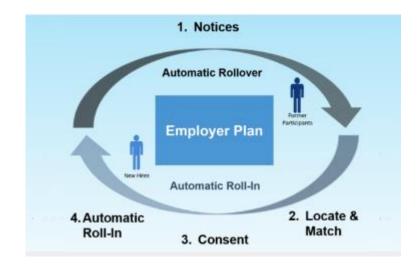


### **DC Legal & Regulatory Updates**

#### Automatic Portability to Prevent Small Balance Plan Leakage

#### **Automatic Portability**

- SECURE 2.0 (section 120) added a statutory exemption from prohibited transaction rules to allow compensation from an "automatic portability provider" (APP). Congress' intention for including this was to reduce leakage from retirement plans preserving an estimated trillion dollars in the U.S. retirement system
  - Section 120 allows (no requirement) plan sponsors to offer automatic portability
- ▶ Under automatic portability, workers with small balances (\$7,000 or less, as of 12/31/23) in their defined contribution plans will be forced out of the plan into a Safe Harbor IRA (assuming plan documents allow). The Safe Harbor IRA is then rolled over into to a worker's new active retirement savings account once established, if that plan also participates in in the APP network
- ► Fidelity is one of the seven recordkeepers listed as "owner members" in the portability services network







### **DC Legal & Regulatory Updates**

#### Forfeiture Usage for Plan Fees

- ► Forfeitures are generated when a participant terminates service with an unvested benefit
  - Unvested benefits are considered "forfeited" by the participant and plan documents govern how forfeitures can be used
- ▶ New litigation in 2023 attacks forfeiture usage and alleges that plan sponsors failed to adhere to the ERISA fiduciary standards
  - Lawsuits have been filed largely against jumbo plan fiduciaries
  - Litigation alleges that forfeitures used to reduce employer contributions were essentially "self-dealing" thereby violating the ERISA fiduciary duties of prudence and loyalty, and that participants were harmed when plan fiduciaries did not reduce the expenses paid by participants
    - Prudence: allegations that fiduciaries failed to engage in reasoned and impartial decision-making regarding usage
    - Loyalty: allegations that fiduciaries did not act "solely in the best interest of participants and beneficiaries" to provide benefits and pay reasonable expenses
- ▶ IRS proposed regulations (beg. in 2024) give formal guidance on how to comply with the law:
  - Current rule: requires forfeitures be used or allocated in the plan year generated for the benefit of participants in that plan
  - Proposed rule: plans must generally use/allocate forfeitures no later than 12 months after the close of the plan year in which the forfeitures are created
    - New rule also provides one-time relief where forfeitures incurred during any plan year prior to 1/1/24 are treated as having been incurred in the plan year beginning 1/1/24

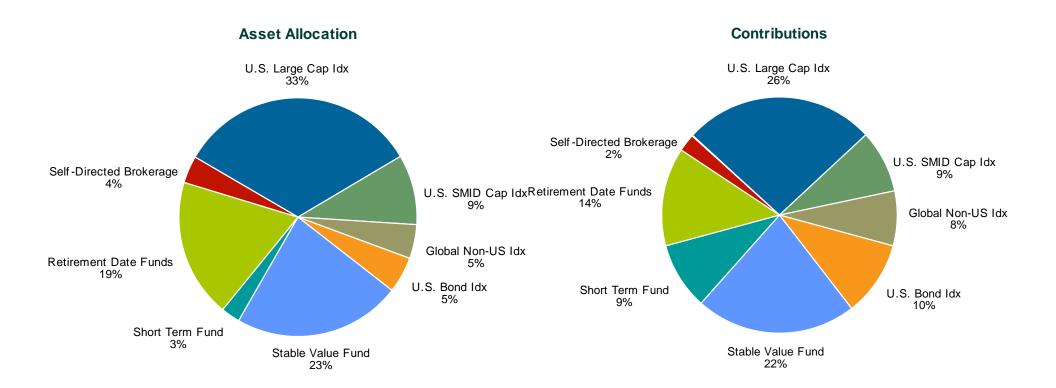


# Callan

PA SERS 457(b) Plan Performance Review

# 457(b) Plan Asset Allocation & Contributions

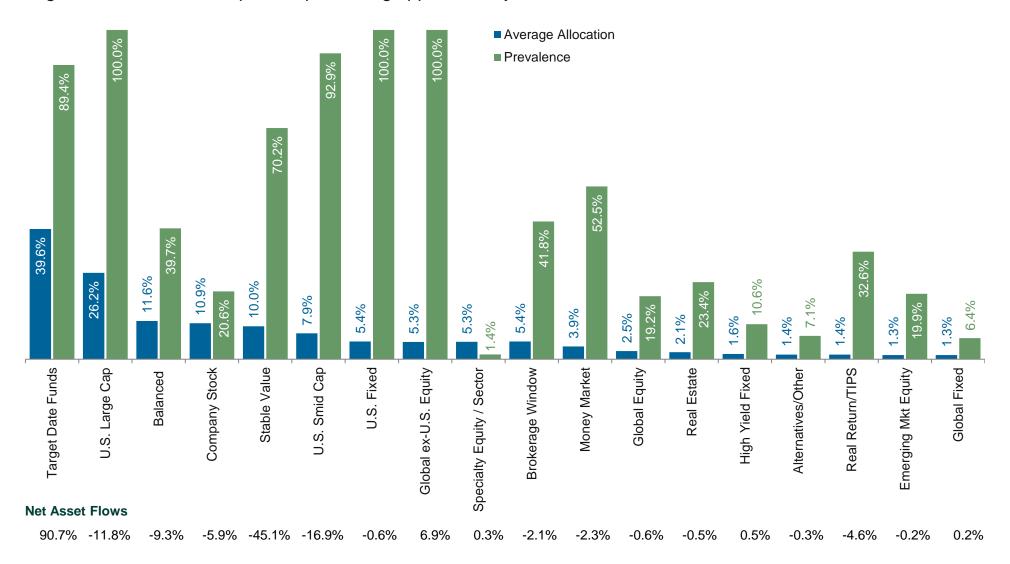
As of March 31, 2024





#### Callan DC Index Asset Allocation as of 12/31/23

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





# **Asset Allocation**

As of March 31, 2024

	March 31,	2024			December 3	1, 2023
	Market Value	Weight	Net New Inv.	Inv. Return	Market Value	Weight
SERS Retirement Date Funds	\$892,959,524	18.80%	\$(10,336,498)	\$35,860,829	\$867,435,193	19.08%
SERS Post Retirement Fund	212,431,646	4.47%	(3,487,954)	5,118,241	210,801,358	4.64%
SERS 2025 Retirement Fund	135,315,105	2.85%	(5,362,677)	3,573,445	137,104,337	3.02%
SERS 2030 Retirement Fund	144,691,407	3.05%	(3,572,786)	5,133,550	143,130,644	3.15%
SERS 2035 Retirement Fund	137,216,958	2.89%	(1,125,871)	6,150,783	132,192,046	2.91%
SERS 2040 Retirement Fund	92,226,390	1.94%	(640,837)	4,948,511	87,918,716	1.93%
SERS 2045 Retirement Fund	80,095,945	1.69%	1,293,293	4,855,081	73,947,572	1.63%
SERS 2050 Retirement Fund	54,640,793	1.15%	792,673	3,623,334	50,224,786	1.10%
SERS 2055 Retirement Fund	21,134,479	0.44%	586,158	1,444,157	19,104,164	0.42%
SERS 2060 Retirement Fund	9,392,411	0.20%	690,961	623,352	8,078,098	0.18%
SERS 2065 Retirement Fund	5,814,390	0.12%	490,542	390,375	4,933,472	0.11%
SERS U.S. Equity	\$2,024,239,902	42.61%	\$(24,579,554)	\$179,905,801	\$1,868,913,655	41.10%
SERS U.S. Large Company Index Fund	1,573,411,714	33.12%	(14,427,158)	150,188,818	1,437,650,055	31.62%
SERS U.S. SMID Company Index Fund	450,828,188	9.49%	(10,152,395)	29,716,983	431,263,600	9.48%
SERS Non-U.S. Equity	\$216,559,628	4.56%	\$6,840,232	\$9,398,941	\$200,320,456	4.41%
SERS Global Non-US Index Fund	216,559,628	4.56%	6,840,232	9,398,941	200,320,456	4.41%
SERS Fixed Income	\$1,441,017,396	30.33%	\$(10,732,517)	\$6,697,471	\$1,445,052,441	31.78%
SERS Short Term Investment Fund	125,678,879	2.65%	5,268,333	1,490,818	118,919,728	2.62%
SERS Stable Value Fund	1,081,704,406	22.77%	(28,631,661)	7,045,210	1,103,290,857	24.26%
SERS U.S. Bond Index Fund	233,634,111	4.92%	12,630,811	(1,838,556)	222,841,856	4.90%
Self-Directed Brokerage Account	\$175,815,239	3.70%	\$(1,675,656)	\$11,932,256	\$165,558,638	3.64%
Total Fund	\$4,750,591,689	100.0%	\$(40,483,992)	\$243,795,298	\$4,547,280,383	100.0%

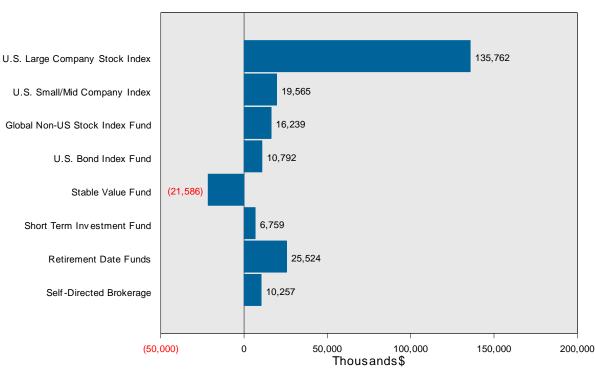


### **Changes in Market Values and Contributions**

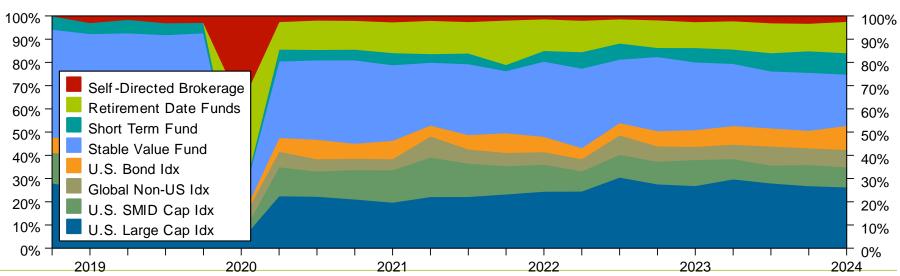
As of March 31, 2024

 The chart to the right shows the change in fund values across the various investment options for the quarter ended March 31, 2024. The change in value for each fund is the result of a combination of 3 factors.

- Market movements
- Contributions or disbursements into or out of the fund by the participants (and any matching done by the company)
- 3. Transfers between funds by the participants.



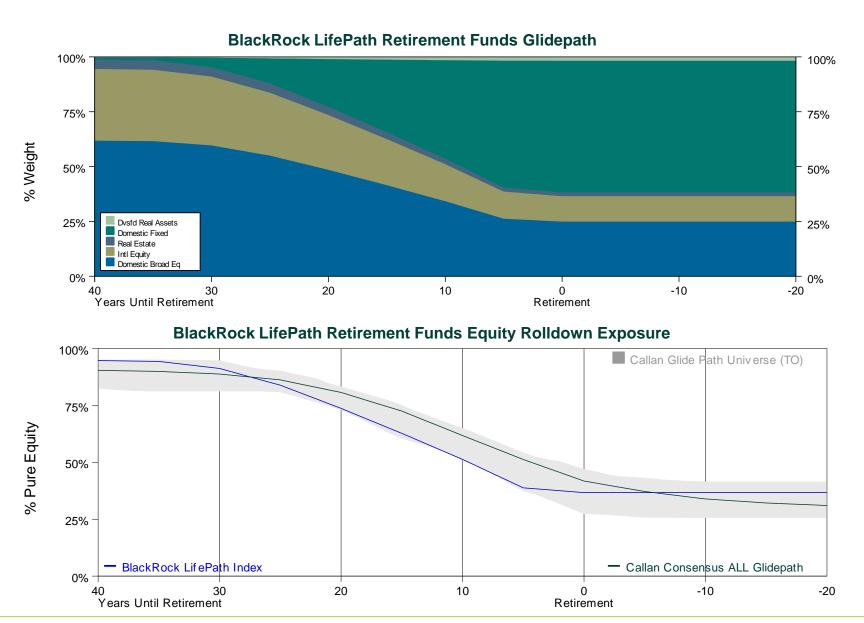
#### **Historical Allocation of Contributions**





#### **Blackrock LifePath Retirement Funds**

Glidepath and Equity Rolldown Exposure as of March 31, 2024





As of March 31, 2024		Last	Last	Last	
	Last	1	3	5	
Not Doutous and	Quarter	Year	Years	Years	
Net Performance Retirement Date Funds					
SERS Post Retirement Fund	2.50%	9.09%	1.20%	4.76%	
BlackRock Post Retirement Index	2.47%	9.19%	1.24%	4.76%	
			1.35%	4.21%	
Callan Tgt Date Ret Inc	2.62%	8.98%	1.35%	4.21%	
SERS 2025 Retirement Fund	2.71%	9.86%	1.64%	5.46%	
BlackRock 2025 Index	2.69%	9.93%	1.65%	5.44%	
Callan Target Date 2025	3.70%	11.89%	2.43%	6.15%	
SERS 2030 Retirement Fund	3.73%	12.58%	2.78%	6.68%	
BlackRock 2030 Index	3.72%	12.70%	2.81%	6.66%	
Callan Target Date 2030	4.55%	14.14%	3.14%	7.11%	
SERS 2035 Retirement Fund	4.71%	15.16%	3.84%	7.82%	
BlackRock 2035 Index	4.70%	15.28%	3.85%	7.80%	
Callan Target Date 2035	5.47%	16.24%	3.94%	8.14%	
3 to the distribution of t					
SERS 2040 Retirement Fund	5.67%	17.70%	4.84%	8.87%	
BlackRock 2040 Index	5.66%	17.80%	4.82%	8.82%	
Callan Target Date 2040	6.45%	18.53%	4.78%	8.95%	
SERS 2045 Retirement Fund	6.56%	20.10%	5.74%	9.80%	
BlackRock 2045 Index	6.55%	20.18%	5.70%	9.72%	
Callan Target Date 2045	6.96%	19.92%	5.37%	9.63%	
Callali Target Date 2045	0.90%	19.92%	5.57%	9.03%	
SERS 2050 Retirement Fund	7.21%	21.71%	6.30%	10.34%	
BlackRock 2050 Index	7.19%	21.79%	6.25%	10.26%	
Callan Target Date 2050	7.26%	20.54%	5.60%	9.84%	
SERS 2055 Retirement Fund	7.51%	22.30%	6.49%	10.50%	
BlackRock 2055 Index	7.49%	22.40%	6.44%	10.42%	
Callan Target Date 2055	7.48%	20.96%	5.77%	9.97%	
SERS 2060 Retirement Fund	7.51%	22.31%	6.49%	10.49%	
BlackRock 2060 Index	7.49%	22.41%	6.44%	10.42%	
Callan Target Date 2060	7.50%	21.00%	5.70%	9.94%	Note: SERS Funds are the top fund in
-					each grouping followed by each fund'
SERS 2065 Retirement Fund	7.51%	22.33%	6.49%	-	respective benchmark and median pe
BlackRock 2065 Index	7.49%	22.42%	6.44%	-	*Target Date funds replaced risk-base
Callan Target Date 2065	7.62%	21.31%	5.68%	10.09%	funds in 1Q20.



As of March 31, 2024	Last 7 Years	Last 10 Years	Last 15 Years	Last 20 Years	
Net Performance					
Retirement Date Funds					
SERS Post Retirement Fund	4.86%	4.49%	6.48%	-	
BlackRock Post Retirement Index	4.85%	4.47%	6.47%	5.10%	
Callan Tgt Date Ret Inc	4.28%	3.97%	5.84%	4.19%	
SERS 2025 Retirement Fund	5.72%	5.32%	8.36%	-	
BlackRock 2025 Index	5.68%	5.27%	8.33%	5.76%	
Callan Target Date 2025	6.21%	5.79%	9.10%	6.34%	
SERS 2030 Retirement Fund	6.79%	6.17%	9.28%	-	
BlackRock 2030 Index	6.75%	6.11%	9.24%	6.26%	
Callan Target Date 2030	7.09%	6.54%	9.96%	6.27%	
SERS 2035 Retirement Fund	7.79%	6.97%	10.15%	-	
BlackRock 2035 Index	7.74%	6.88%	10.08%	6.69%	
Callan Target Date 2035	7.92%	7.17%	10.61%	7.15%	
SERS 2040 Retirement Fund	8.71%	7.68%	10.92%	-	
BlackRock 2040 Index	8.63%	7.57%	10.83%	7.07%	
Callan Target Date 2040	8.62%	7.74%	11.17%	6.91%	
SERS 2045 Retirement Fund	9.46%	8.26%	11.58%	-	
BlackRock 2045 Index	9.36%	8.13%	11.48%	7.39%	
Callan Target Date 2045	9.10%	8.13%	11.34%	-	
SERS 2050 Retirement Fund	9.88%	8.56%	12.02%	-	
BlackRock 2050 Index	9.77%	8.44%	11.93%	7.71%	
Callan Target Date 2050	9.28%	8.31%	11.51%	-	
SERS 2055 Retirement Fund	9.99%	8.64%	-	-	
BlackRock 2055 Index	9.89%	8.52%	-	-	
Callan Target Date 2055	9.42%	8.40%	11.92%	-	
SERS 2060 Retirement Fund	9.98%	-	-	-	
BlackRock 2060 Index	9.89%	-	-	-	
Callan Target Date 2060	9.49%	8.52%	-	-	

Note: SERS Funds are the top fund in each grouping followed by each fund's respective benchmark and median peer.

<sup>\*\*</sup>Target Date funds replaced risk-based funds in 1Q20.



<sup>\*</sup>Funds not listed do not have longer term history.

As of March 31, 2024

		Last	Last	Last	
	Last	1	3	5	
	Quarter	Year	Years	Years	
Net Performance					
Domestic Equity					
SERS U.S. Large Company Index	10.55%	29.88%	11.49%	15.05%	
S&P 500 Index	10.56%	29.88%	11.49%	15.05%	
Callan Lg Cap Broad MF	11.25%	31.41%	9.95%	14.09%	
SERS U.S. SMID Company Index	7.09%	26.87%	1.23%	10.31%	
Dow Jones US Completion	6.95%	26.33%	0.79%	9.97%	
Callan SMID Broad MFs	7.60%	21.45%	3.27%	10.02%	
International Equity					
SERS Global Non-US Index	4.66%	13.15%	2.10%	6.19%	
MSCI ACWI ex US	4.69%	13.26%	1.94%	5.97%	
Callan Non US Equity MFs	5.29%	13.33%	3.34%	6.95%	
Domestic Fixed Income					
SERS Short Term Investment Fund	1.29%	5.20%	2.63%	2.05%	
3-month Treasury Bill	1.29%	5.24%	2.58%	2.02%	
Callan Cash Database(1)	1.34%	5.47%	2.66%	2.19%	
SERS Stable Value Fund	0.73%	2.78%	2.10%	2.21%	
3-month Treasury Bill	1.29%	5.24%	2.58%	2.02%	
Callan Stable Value SA	0.72%	2.78%	2.24%	2.29%	
SERS U.S. Bond Index Fund	(0.78%)	1.68%	(2.46%)	0.36%	
Blmbg Aggregate	(0.78%)	1.70%	(2.46%)	0.36%	
Callan Core Bond MFs	(0.48%)	2.25%	(2.42%)	0.70%	

<sup>\*</sup>The Global Non-U.S. Stock Index Fund replaced the International Company Stock Index Fund in 1Q20.



<sup>(1)</sup> Callan Cash Database includes STIF, enhanced cash, and money market funds.

As of March 31, 2024

	Last	Last	Last	Last	
	7	10	15	20	
	Years	Years	Years	Years	
Net Performance					
Domestic Equity					
SERS U.S. Large Company Index	14.09%	12.97%	15.65%	10.19%	
S&P 500 Index	14.09%	12.96%	15.63%	10.15%	
Callan Lg Cap Broad MF	13.72%	12.12%	15.01%	10.08%	
SERS U.S. SMID Company Index	9.95%	9.11%	14.47%	9.65%	
Dow Jones US Completion	9.65%	8.83%	14.19%	9.40%	
Callan SMID Broad MFs	9.56%	8.64%	14.03%	9.43%	
International Equity					
SERS Global Non-US Index	6.14%	4.48%	8.06%	-	
MSCI ACWI ex US	5.88%	4.25%	7.88%	5.68%	
Callan Non US Equity MFs	6.50%	4.65%	8.47%	6.07%	
Domestic Fixed Income					
SERS Short Term Investment Fund	1.97%	1.49%	1.08%	1.65%	
3-month Treasury Bill	1.90%	1.38%	0.96%	1.52%	
Callan Cash Database(1)	2.11%	1.64%	1.24%	1.87%	
SERS Stable Value Fund	2.20%	2.18%	2.55%	3.09%	
3-month Treasury Bill	1.90%	1.38%	0.96%	1.52%	
Callan Stable Value SA	2.32%	2.24%	2.48%	3.05%	
SERS U.S. Bond Index Fund	1.06%	1.54%	2.55%	2.96%	
Blmbg Aggregate	1.06%	1.54%	2.62%	2.99%	
Callan Core Bond MFs	1.32%	1.73%	3.29%	3.22%	

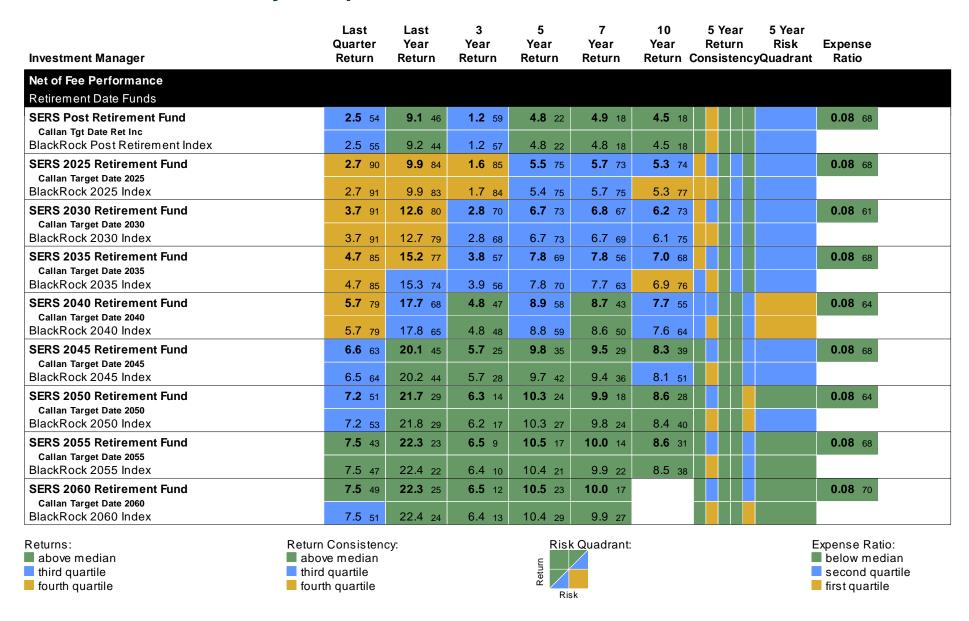
<sup>(1)</sup> Callan Cash Database includes STIF, enhanced cash, and money market funds.

<sup>\*</sup>The Global Non-U.S. Stock Index Fund replaced the International Company Stock Index Fund in 1Q20.



<sup>\*</sup>Funds not listed do not have longer term history.

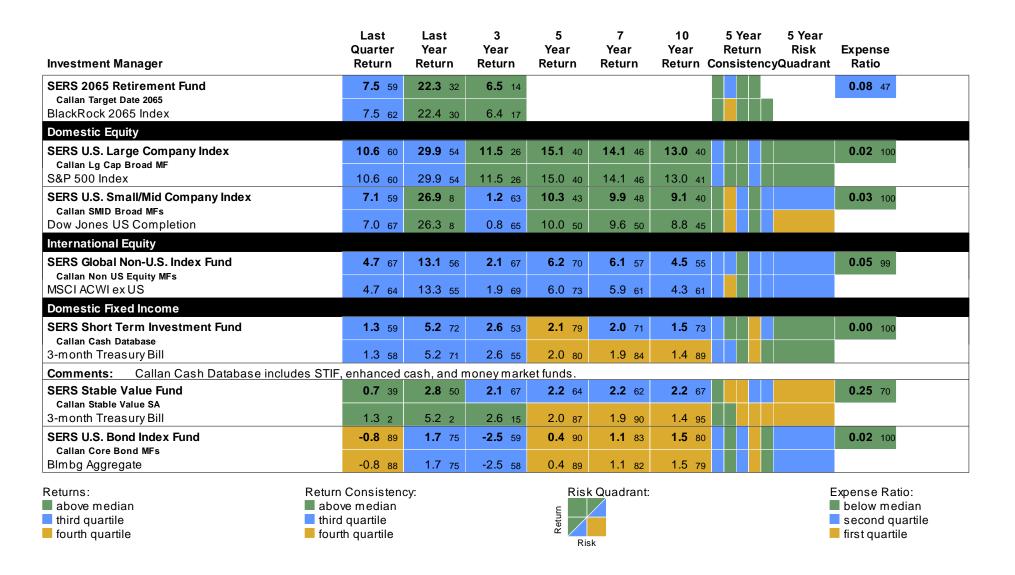
### Performance Summary & Expense Ratios as of March 31, 2024



Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).



### Performance Summary & Expense Ratios as of March 31, 2024

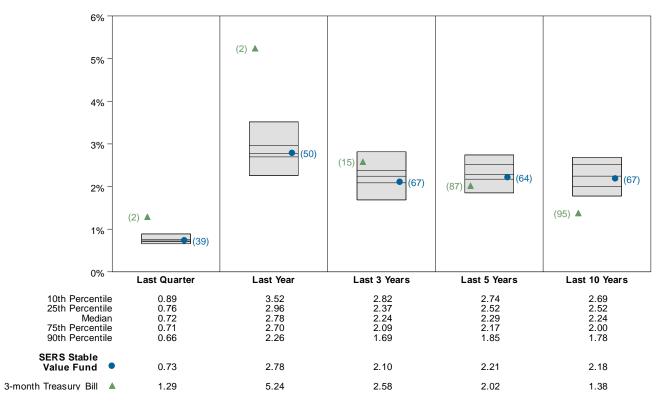


Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable (e.g. 75th percentile equates to bottom quartile/cheapest fees).



# Stable Value Fund as of March 31, 2024

#### Performance vs Callan Stable Value SA (Gross)



Manager Diversification*							
Manager	Portfolio						
Jennison	2.8%						
Dodge & Cox	4.1%						
Invesco	61.7%						
Loomis Sayles	9.7%						
PFM	9.2%						
Ramirez (DWDO Manager)	9.3%						
STIF	3.1%						
Total	100%						

Wrap Provider Exposure*								
Contract Issuer	Portfolio	Average Fee	Moody's Rating	S&P Rating	Fitch Rating			
Nationwide Life Insurance	20.44%	0.14%	A1	A+	NR			
Transamerica	20.34%	0.15%	A1	A+	WD			
RGA	15.38%	0.15%	A1	AA-	A+			
Prudential Insurance Co.	15.36%	0.15%	Aa3	AA-	AA-			
Pacific Life Insurance	12.84%	0.15%	Aa3	AA-	AA-			
State Street Bank	12.72%	0.15%	Aa2	AA-	AA			
	97.09%	0.14%						

\*Source: Invesco



# 457(b) Plan Investment Structure

# Lineup Mapped to Callan's Clean Sheet

Conservative **Tier I: Asset Allocation Tier II: Passive Core Options Tier II: Active Core Options Tier III: Specialty Options Target Date Funds Capital Preservation** Short Term Investment Fund Stable Value Fund **Core Fixed Income** U.S. Bond Index Fund **Large-Cap US Equity** U.S. Large Co. Stock Index Fund **Non-US Equity** Global Non-U.S. Stock Index Fund Small/Mid-Cap US Equity U.S. Small/Mid Co. Stock Index Fund Aggressive



# Callan

**Appendix – Callan Update** 

### **Published Research Highlights: 1Q24**

STAR Report Executive Summary: Year-End 2023



A Primer on Investable Types of Rental Housing



The Callan Periodic Table Collection: Year-End 2023



Callan 2024-2033 Capital Markets Assumptions



#### **Recent Blog Posts**

SEC Releases Final Climate Disclosure Rule

Kristin Bradbury

A Strong Finish to 2023 Bodes Well for Hedge Funds in 2024

Joe McGuane

The Magnificent Seven and Large Cap Portfolios

Nicole Wubbena

#### **Additional Reading**

Alternatives Focus quarterly newsletter
Active vs. Passive quarterly charts
Capital Markets Review quarterly newsletter
Monthly Updates to the Periodic Table
Market Pulse Flipbook quarterly markets update
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.

- June 18-19, 2024 In-Person Session in Chicago
- September 24-26, 2024 Virtual Session via Zoom

#### Intro to Alternatives

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 alternative investments like private equity, hedge funds, and real estate, and how they can play a key role in any portfolio. You will learn about the importance of allocations to alternatives and how to consider integrating, evaluating, and monitoring them.

August 21-22, 2024 – Virtual Session via Zoom

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

#### **Mark Your Calendar**

#### 2024 Regional Workshops

June 25, 2024 - Atlanta

June 27, 2024 - San Francisco

October 22, 2024 - Denver

October 23, 2024 - Chicago

Watch your email for further details and an invitation.

#### Webinars & Research Café Sessions

Webinar: Market Intelligence

April 26, 2024 – Virtual Session via Zoom

**Webinar: Fee Study Results (National Conference)** 

May 16, 2024 – Virtual Session via Zoom



# **Introducing CODE: Callan On-Demand Education**

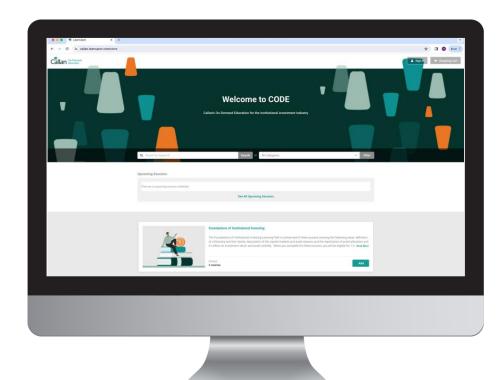


- ► Variety of educational courses
- ► Interactive and engaging
- ► Self-guided modules
- ► Eligible for continuing education credits
- ► Learning at your own pace

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.

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#### 3 Reasons to Take CODE Courses

- Become a better fiduciary
- Showcase your skills and knowledge
- 3 Learn from Callan's investment experts



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