# Callan

February 25, 2025

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

Fourth Quarter 2024

**Executive Summary** 

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# Callan

**Market Environment** 

### **Equity Markets Up Sharply in 2024**

### Stocks have recovered losses of 2022; fixed income still lags

#### S&P 500 climbed 25% in 2024

 U.S. large cap substantially outperformed U.S. small cap, developed ex-U.S. markets, and emerging markets. Technology and Al drove the S&P 500.

#### Weak 4Q for core fixed income

- The Bloomberg Aggregate fell 3.1%.
   Long duration and non-U.S. bonds saw even greater declines.
- Interest rates remain volatile as the markets assess how the Fed will continue with easing.
- CPI-U came in at 2.9% (year-overyear) through December, up from 3Q, but with a welcome decline in the core figure, which rose 3.2%.

#### Solid growth through 2024

 3Q GDP came in at a surprisingly strong 3.1%, after another surprise in 2Q, and saw 2.3% growth in 4Q. Consumer spending continues to drive GDP growth.

#### Returns for Periods ended 12/31/24

	Quarter	1 Year	3 Years	5 Years	10 Years	25 Years
U.S. Equity						
Russell 3000	2.63	23.81	8.01	13.86	12.55	7.84
S&P 500	2.41	25.02	8.94	14.53	13.10	7.70
Russell 2000	0.33	11.54	1.24	7.40	7.82	7.55
Global ex-U.S. Equity						
MSCI World ex USA	-7.43	4.70	1.91	5.10	5.26	3.78
MSCI Emerging Markets	-8.01	7.50	-1.92	1.70	3.64	
MSCI ACWI ex USA Small Cap	-7.66	3.36	-1.47	4.30	5.66	6.23
Fixed Income						
Bloomberg Aggregate	-3.06	1.25	-2.41	-0.33	1.35	3.94
90-day T-Bill	1.17	5.25	3.89	2.46	1.77	1.91
Bloomberg Long Gov/Credit	-7.42	-4.15	-9.20	-3.26	0.99	5.36
Bloomberg Global Agg ex-US	-6.84	-4.22	-6.28	-3.37	-0.90	2.45
Real Estate						
NCREIF Property Index	0.90	0.43	-0.82	3.13	5.66	7.58
FTSE Nareit Equity	-6.21	8.73	-2.20	4.27	5.73	9.84
Alternatives						
Cambridge Private Equity*	2.68	7.93	2.75	14.27	13.40	12.39
Cambridge Senior Debt*	3.35	10.18	7.08	7.89	7.31	4.59
HFRI Fund Weighted	1.49	9.83	4.41	7.00	5.26	5.57
Bloomberg Commodity	-0.45	5.38	4.05	6.77	1.28	2.15
Gold Spot Price	-0.69	27.47	13.04	11.64	8.35	9.24
Inflation: CPI-U*	0.10	2.89	4.22	4.20	3.00	2.54

<sup>\*</sup>Cambridge Private Equity and Cambridge Senior Debt data as of 9/30/24. Returns greater than one year are annualized. Sources: Bloomberg, Callan, Cambridge, FTSE Russell, HFRI, MSCI, NCREIF, S&P Dow Jones Indices



# **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	2024
Emerging	Emerging	Emerging	U.S. Fixed	Emerging	Small Cap	Real Estate	Emerging	Small Cap	Large Cap	Real Estate	Small Cap	Emerging	Real Estate	Large Cap	Small Cap	Large Cap	Real Estate	Large Cap	Large Cap
Markets	Markets			Markets		Funds	Markets			Funds		Markets	Funds				Funds		
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%	25.02%
Real Estate	Non-U.S.	Real Estate	Non-U.S.	High Yield	Emerging	U.S. Fixed	Non-U.S.	Large Cap	Real Estate	Large Cap	High Yield	Non-U.S.	Cash	Small Cap	Large Cap	Real Estate	Cash	Non-U.S.	Small Cap
Funds	Equity	Funds	Fixed		Markets		Equity		Funds			Equity	Equivalent			Funds	Equivalent	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%	11.54%
Non-U.S.	Small Cap	Hedge	Cash	Non-U.S.	Real Estate	High Yield	Small Cap	Non-U.S.	U.S. Fixed	U.S. Fixed	Large Cap	Large Cap	U.S. Fixed	Non-U.S.	Emerging	Small Cap	Hedge	Small Cap	Hedge
Equity				Equity	Funds									Equity			Funds		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%	9.82%
Hedge	Large Cap	Non-U.S.	Real Estate	Small Cap	High Yield	Non-U.S.	Large Cap	Real Estate	Small Cap	Cash	Emerging	Small Cap	High Yield	Emerging	Non-U.S.	Non-U.S.	High Yield	High Yield	High Yield
Funds			Funds			Fixed		Funds			Markets			Markets		Equity			
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%	8.19%
Large Cap	Real Estate	Non-U.S.	Hedge	Large Cap	Large Cap	Large Cap	High Yield	Hedge	Hedge		Real Estate	Non-U.S.	Non-U.S.	High Yield	Non-U.S.	Hedge	U.S. Fixed	Emerging	Emerging
	Funds		Funds					Funds	Funds		Funds	Fixed	Fixed		Equity	Funds		Markets	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%	7.50%
Small Cap	Hedge	U.S. Fixed	High Yield	Hedge	Hedge	Cash	Real Estate	High Yield	High Yield	Non-U.S.	Non-U.S.	High Yield	Hedge	Hedge	U.S. Fixed	High Yield	Non-U.S.	Hedge	Cash
	Funds			Funds	Funds		Funds				Equity		Funds	Funds				Funds	Equivalent
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%	5.25%
Cash	High Yield	Large Cap	Small Cap	Non-U.S.	Non-U.S.	Hedge	Hedge	Cash	Cash	Small Cap	U.S. Fixed	Hedge	Large Cap	U.S. Fixed	High Yield	Cash	Large Cap	Non-U.S.	Non-U.S.
Equivalent				Fixed	Equity	Funds	Funds		Equivalent			Funds				Equivalent		Fixed	Equity
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%	4.70%
High Yield	Non-U.S.	Cash	Large Cap	U.S. Fixed	U.S. Fixed	Small Cap	U.S. Fixed	U.S. Fixed	Emerging	High Yield	Non-U.S.	Real Estate	Small Cap	Non-U.S.	Hedge	U.S. Fixed	Non-U.S.	U.S. Fixed	U.S. Fixed
	Fixed								Markets		Fixed	Funds		Fixed			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%	1.25%
U.S. Fixed	Cash	High Yield	Non-U.S.	Cash	Non-U.S.	Non-U.S.	Non-U.S.	Emerging	Non-U.S.	Non-U.S.	Hedge	U.S. Fixed	Non-U.S.	Real Estate	Cash	Emerging	Emerging	Cash	Real Estate
	Equivalent			Equivalent	Fixed		Fixed	Markets	Fixed		Funds		Equity	Funds		Markets	Markets		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%	-2.27%
Non-U.S.	U.S. Fixed	Small Cap	Emerging	Real Estate	Cash	Emerging	Cash	Non-U.S.	Non-U.S.		Cash	Cash	Emerging	Cash	Real Estate	Non-U.S.	Small Cap	Real Estate	Non-U.S.
Fixed			Markets	Funds	Equivalent	Markets	Equivalent	Fixed	Equity	Markets	Equivalent	Equivalent	Markets	Equivalent	Funds	Fixed		Funds	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%	-4.22%

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 Industry Talking Points**

#### 4Q24

#### **American Airlines ESG Class Action Case Update**

- ➤ A Texas district court ruled that American Airlines violated its duty of loyalty in ESG-related 401(k) litigation, stating the company allowed corporate and ESG interests to influence plan management, but not the duty of prudence, ruling that the plan sponsor followed or exceeded industry standard processes.
- ▶ The complaint argued that core investments, including BlackRock index funds, prioritized ESG principles over financial returns through proxy voting, potentially harming plan participants. This complaint does not relate to the use of labeled "ESG funds" in the core lineup.
- ▶ Allegations of financial harm from proxy voting were novel, with no identified harm to participants yet.
- ► The court did not rule on damages or relief but requested further evidence on financial losses, the impact of ESG policies in proxy voting on investment performance, and the need for an injunction.
- ► The ruling emphasizes the importance of good governance and adherence to documented investment policies, without suggesting changes to the fiduciaries' decision-making process while exploring the potential for increased scrutiny of managers' proxy voting policies and practices in the future.
- ▶ Plan sponsors should review the plan documents, governance documents, and manager agreements, and consult legal counsel.

#### **IRS Announces Updated Retirement Plan Limits for 2025**

- ▶ The annual contribution limit will increase by \$500, from \$23,000 to \$23,500.
- ► The age 50 annual catch-up contribution limit will remain the same at \$7,500. However, the catch-up limit for those ages 60-63 is \$11,250.
- ▶ The annual compensation limit will increase from \$345,000 to \$350,000.
- ► The Section 415(c) limit will increase from \$69,000 to \$70,000.
- ▶ The highly compensated employee threshold will increase from \$155,000 to \$160,000. Visit the <u>IRS publication</u> to learn more.

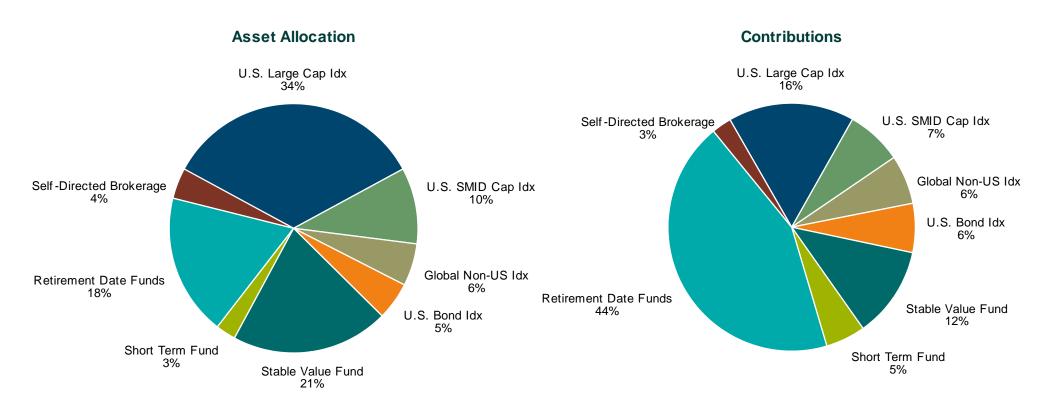


# Callan

PA SERS 457(b) Plan Performance Review

# 457(b) Plan Asset Allocation & Contributions

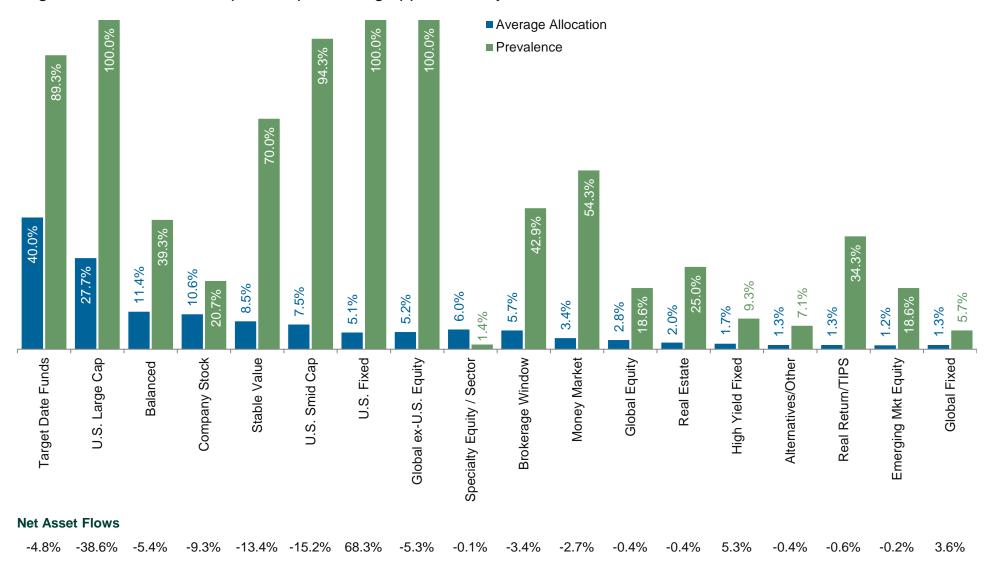
As of December 31, 2024





### Callan DC Index Asset Allocation as of 9/30/24

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 December 31, 2024

	December 3	1, 2024			<b>September 30, 2024</b>		
	Market Value	Weight	Net New Inv.	Inv. Return	Market Value	Weight	
SERS Retirement Date Funds	\$908,629,959	18.35%	\$124,300,997	\$(154,005,045)	\$938,334,006	18.83%	
SERS Post Retirement Fund	331,972,246	6.71%	122,473,754	(6,880,061)	216,378,553	4.34%	
SERS 2025 Retirement Fund	0	0.00%	(134,502,038)	(946,885)	135,448,923	2.72%	
SERS 2030 Retirement Fund	144,071,196	2.91%	(1,244,638)	(3,365,761)	148,681,596	2.98%	
SERS 2035 Retirement Fund	139,869,064	2.83%	208,269	(3,056,167)	142,716,962	2.86%	
SERS 2040 Retirement Fund	98,962,860	2.00%	792,041	(1,995,060)	100,165,878	2.01%	
SERS 2045 Retirement Fund	86,413,244	1.75%	(878, 365)	(1,610,803)	88,902,411	1.78%	
SERS 2050 Retirement Fund	63,294,908	1.28%	2,103,613	(1,003,707)	62,195,002	1.25%	
SERS 2055 Retirement Fund	25,392,063	0.51%	219,334	(377,298)	25,550,027	0.51%	
SERS 2060 Retirement Fund	11,417,924	0.23%	314,718	(170,173)	11,273,378	0.23%	
SERS 2065 Retirement Fund	7,218,089	0.15%	293,818	(97,004)	7,021,276	0.14%	
SERS 2070 Retirement Fund	18,365	0.00%	18,453	(88)	-	-	
SERS U.S. Equity	\$2,186,226,461	44.16%	\$(44,833,535)	\$61,808,835	\$2,169,251,161	43.53%	
SERS U.S. Large Company Index Fund	1,697,504,850	34.29%	(37,561,054)	39,930,430	1,695,135,474	34.02%	
SERS U.S. SMID Company Index Fund	488,721,611	9.87%	(7,272,481)	21,878,406	474,115,687	9.51%	
SERS Non-U.S. Equity	\$273,760,307	5.53%	\$13,790,831	\$(22,663,766)	\$282,633,242	5.67%	
SERS Global Non-US Index Fund	273,760,307	5.53%	13,790,831	(22,663,766)	282,633,242	5.67%	
SERS Fixed Income	\$1,386,080,823	28.00%	\$(19,208,193)	\$1,079,520	\$1,404,209,496	28.18%	
SERS Short Term Investment Fund	127,303,785	2.57%	(2,064,612)	1,443,039	127,925,358	2.57%	
SERS Stable Value Fund	1,015,313,513	20.51%	(28,568,239)	7,258,203	1,036,623,550	20.80%	
SERS U.S. Bond Index Fund	243,463,525	4.92%	11,424,659	(7,621,722)	239,660,588	4.81%	
Self-Directed Brokerage Account	\$195,747,930	3.95%	\$5,002,846	\$1,737,816	\$189,007,268	3.79%	
SERS 457(b) Total Fund	\$4,950,445,480	100.0%	\$79.052.947	\$(112,042,640)	\$4,983,435,173	100.0%	

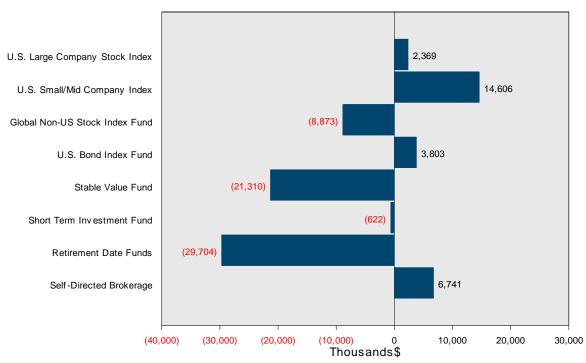


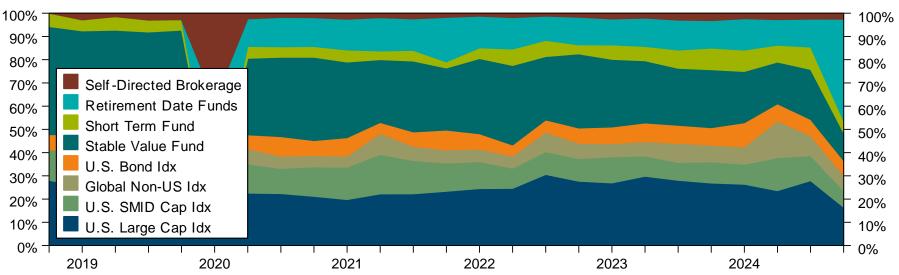
### **Changes in Market Values and Contributions**

### As of December 31, 2024

- The chart to the right shows the change in fund values across the various investment options for the quarter ended December 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**



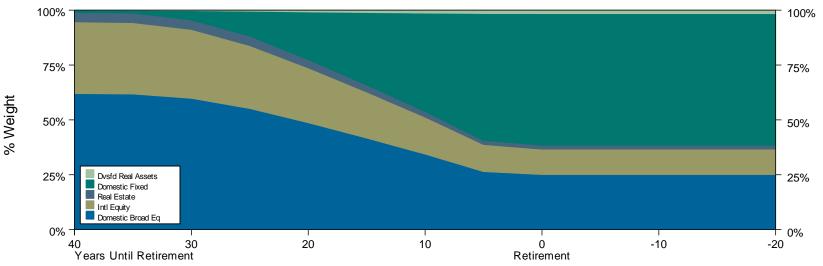




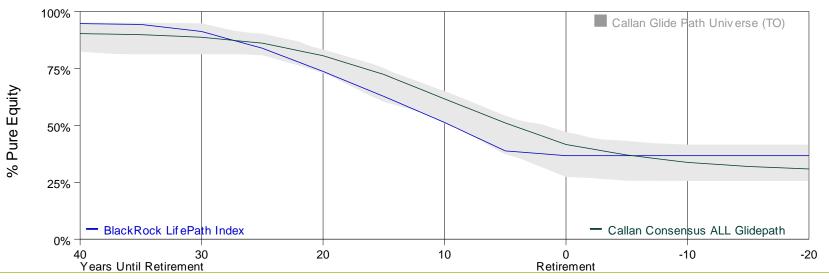
### **Blackrock LifePath Retirement Funds**

Glidepath and Equity Rolldown Exposure as of December 31, 2024





BlackRock LifePath Retirement Funds Equity Rolldown Exposure





As of Docombor 21, 2024		Last	Last	Last	
As of December 31, 2024	Last	1	3	5	
	Quarter	Year	Years	Years	
Net Performance					
Retirement Date Funds					
SERS Post Retirement Fund	(2.24%)	7.08%	0.53%	4.00%	
BlackRock Post Retirement Index	(2.23%)	7.08%	0.56%	4.00%	
Callan Tgt Date Ret Inc	(1.91%)	6.88%	0.87%	3.70%	
Gaman Igi Date Not me	(1.0.70)	0.0070	0.0.70	0.1. 0 / 0	
SERS 2030 Retirement Fund	(2.24%)	9.12%	1.56%	5.67%	
BlackRock 2030 Index	(2.24%)	9.12%	1.58%	5.67%	
Callan Target Date 2030	(1.86%)	9.77%	1.91%	6.17%	
Canan Tanget Bate 2000	(1.0070)	0.1770	1.0170	0.1770	
SERS 2035 Retirement Fund	(2.11%)	10.88%	2.42%	6.79%	
BlackRock 2035 Index	(2.10%)	10.89%	2.43%	6.77%	
Callan Target Date 2035	(1.88%)	11.31%	2.52%	7.08%	
Callait Target Date 2000	(1.0070)	11.5170	2.02/0	7.0070	
SERS 2040 Retirement Fund	(1.95%)	12.62%	3.26%	7.83%	
BlackRock 2040 Index	(1.94%)	12.63%	3.25%	7.79%	
Callan Target Date 2040	(1.76%)	12.80%	3.23%	7.95%	
Gallali Taiget Date 2040	(1.7070)	12.0070	3.2370	7.9370	
SERS 2045 Retirement Fund	(1.79%)	14.26%	4.07%	8.78%	
BlackRock 2045 Index	(1.75%)	14.32%	4.05%	8.74%	
Callan Target Date 2045	(1.71%)	13.86%	3.76%	8.62%	
Odilaii Taiget Date 2040	(1.7 1 70)	10.0070	3.7070	0.0270	
SERS 2050 Retirement Fund	(1.51%)	15.56%	4.65%	9.40%	
BlackRock 2050 Index	(1.45%)	15.66%	4.64%	9.35%	
Callan Target Date 2050	(1.60%)	14.27%	3.95%	8.83%	
Callali Target Date 2000	(1.0070)	14.27 /0	3.3370	0.0370	
SERS 2055 Retirement Fund	(1.36%)	16.21%	4.90%	9.61%	
BlackRock 2055 Index	(1.29%)	16.32%	4.89%	9.57%	
Callan Target Date 2055	(1.59%)	14.49%	4.05%	8.98%	
Janan Target Date 2000	(1.5370)	17.70/0	7.00/0	0.3070	
SERS 2060 Retirement Fund	(1.35%)	16.23%	4.91%	9.61%	
BlackRock 2060 Index	(1.26%)	16.36%	4.91%	9.58%	
Callan Target Date 2060	(1.60%)	14.40%	4.03%	9.01%	
Odnam ranger Date 2000	(1.0070)	14.4070	4.0070	3.0170	
SERS 2065 Retirement Fund	(1.34%)	16.26%	4.92%	9.58%	
BlackRock 2065 Index	(1.27%)	16.37%	4.91%	9.58%	
Callan Target Date 2065	(1.62%)	14.71%	4.03%	9.05%	
Janui Targot Bato 2000	(	70	5070	2.0070	N
SERS 2070 Retirement Fund	(1.33%)	-	-	_	Note: SE
BlackRock 2070 Index	(1.27%)	-	-	-	each gro
Callan Target Date 2065	(1.62%)	14.71%	4.03%	9.05%	respectiv
- 1a	(1.3270)	, •	1.50 /0	2.00,0	*Target [ funds in



As of December 31, 2024	Last 7 Years	Last 10 Years	Last 15 Years	Last 20 Years	
Net Performance					
Retirement Date Funds					
SERS Post Retirement Fund	4.47%	4.61%	5.43%	-	
BlackRock Post Retirement Index	4.47%	4.60%	5.41%	5.08%	
Callan Tgt Date Ret Inc	3.97%	4.10%	4.76%	4.20%	
SERS 2030 Retirement Fund	5.97%	6.32%	7.27%	-	
BlackRock 2030 Index	5.95%	6.25%	7.22%	6.07%	
Callan Target Date 2030	6.21%	6.59%	7.84%	6.23%	
SERS 2035 Retirement Fund	6.90%	7.18%	7.99%	-	
BlackRock 2035 Index	6.86%	7.08%	7.92%	6.52%	
Callan Target Date 2035	6.90%	7.31%	8.46%	6.76%	
SERS 2040 Retirement Fund	7.75%	7.95%	8.64%	-	
BlackRock 2040 Index	7.69%	7.83%	8.54%	6.91%	
Callan Target Date 2040	7.58%	7.89%	8.99%	7.12%	
SERS 2045 Retirement Fund	8.50%	8.58%	9.18%	<u>-</u>	
BlackRock 2045 Index	8.42%	8.45%	9.08%	7.24%	
Callan Target Date 2045	8.08%	8.34%	9.17%	7.22%	
SERS 2050 Retirement Fund	8.95%	8.94%	9.53%	<u>-</u>	
BlackRock 2050 Index	8.88%	8.81%	9.43%	7.59%	
Callan Target Date 2050	8.26%	8.50%	9.31%	-	
SERS 2055 Retirement Fund	9.11%	9.04%	-	<u>-</u>	
BlackRock 2055 Index	9.05%	8.92%	_	-	
Callan Target Date 2055	8.35%	8.56%	9.70%	-	
SERS 2060 Retirement Fund	9.11%	9.04%	-	_	
BlackRock 2060 Index	9.05%	8.94%	_	-	
Callan Target Date 2060	8.44%	8.80%	_	_	
Canan raigot Bato 2000	0.1170	0.0070			

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.

s of December 31, 2024		Last	Last	Last
	Last	1	3	5
	Quarter	Year	Years	Years
Net Performance				
Domestic Equity				
SERS U.S. Large Company Index	2.41%	25.00%	8.93%	14.53%
S&P 500 Index	2.41%	25.02%	8.94%	14.53%
Callan Lg Cap Broad MF	1.91%	23.41%	7.74%	13.59%
SERS U.S. SMID Company Index	4.66%	17.10%	2.75%	10.09%
Dow Jones US Completion	4.74%	16.89%	2.38%	9.77%
Callan SMID Broad MFs	(0.35%)	11.71%	1.49%	8.68%
International Equity				
SERS Global Non-US Index	(7.78%)	5.53%	0.99%	4.33%
MSCI ACWI ex US	(7.60%)	5.53%	0.82%	4.10%
Callan Non US Equity MFs	(7.92%)	4.41%	1.37%	4.50%
Domestic Fixed Income				
SERS Short Term Investment Fund	1.17%	5.20%	3.92%	2.48%
3-month Treasury Bill	1.17%	5.25%	3.89%	2.46%
Callan Cash Database(1)	1.16%	5.40%	3.95%	2.60%
SERS Stable Value Fund	0.74%	2.94%	2.44%	2.26%
3-month Treasury Bill	1.17%	5.25%	3.89%	2.46%
Callan Stable Value SA	0.76%	2.92%	2.53%	2.38%
SERS U.S. Bond Index Fund	(3.07%)	1.25%	(2.38%)	(0.32%)
Blmbg Aggregate	(3.06%)	1.25%	(2.41%)	(0.33%)
Callan Core Bond MFs	(3.00%)	1.79%	(2.30%)	0.07%

<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.



As of December 31, 2024	Last 7	Last 10	Last 15	Last 20	
	Years	Years	Years	Years	
Net Performance Domestic Equity					
SERS U.S. Large Company Index	13.84%	13.11%	13.90%	10.39%	
S&P 500 Index	13.83%	13.10%	13.88%	10.35%	
Callan Lg Cap Broad MF	13.10%	12.19%	13.22%	10.02%	
SERS U.S. SMID Company Index	9.43%	9.57%	11.98%	9.53%	
Dow Jones US Completion	9.13%	9.30%	11.73%	9.29%	
Callan SMID Broad MFs	8.46%	9.00%	11.18%	9.04%	
International Equity					
SERS Global Non-US Index	3.78%	5.08%	4.88%	-	
MSCI ACWI ex US	3.53%	4.80%	4.68%	4.97%	
Callan Non US Equity MFs	3.92%	5.06%	5.46%	5.36%	
Domestic Fixed Income					
SERS Short Term Investment Fund	2.40%	1.86%	1.31%	1.79%	
3-month Treasury Bill	2.35%	1.77%	1.20%	1.66%	
Callan Cash Database(1)	2.53%	2.03%	1.46%	2.00%	
SERS Stable Value Fund	2.31%	2.22%	2.49%	3.04%	
3-month Treasury Bill	2.35%	1.77%	1.20%	1.66%	
Callan Stable Value SA	2.41%	2.34%	2.47%	2.99%	
SERS U.S. Bond Index Fund	0.97%	1.33%	2.34%	2.99%	
Blmbg Aggregate	0.97%	1.35%	2.37%	3.01%	
Callan Core Bond MFs	1.21%	1.60%	2.75%	3.26%	
Callan Cash Database includes STIF, enhanced cash, and mo	oney market funds				

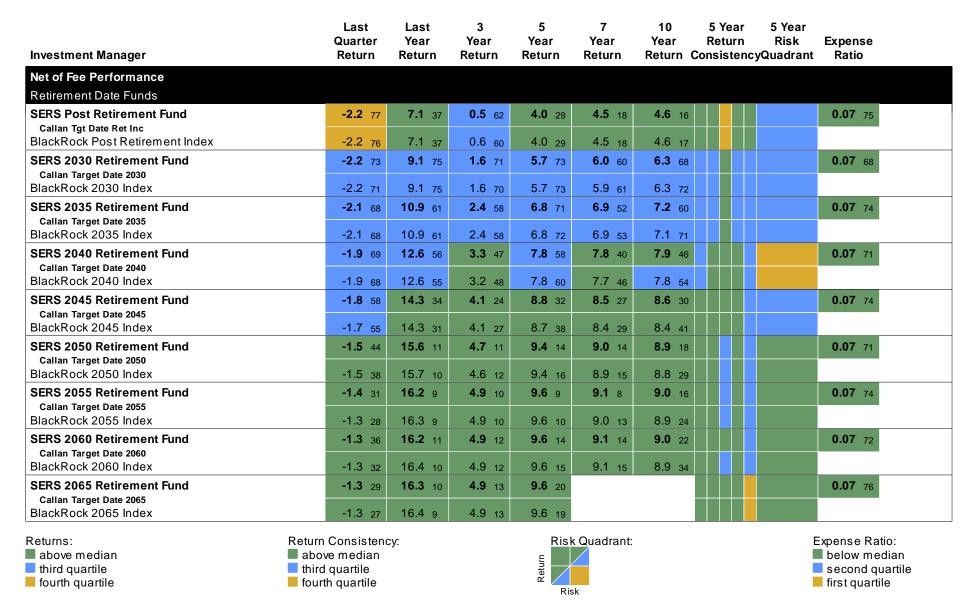
<sup>(1)</sup> Callan Cash Database includes STIF, enhanced cash, and money market funds.

<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.

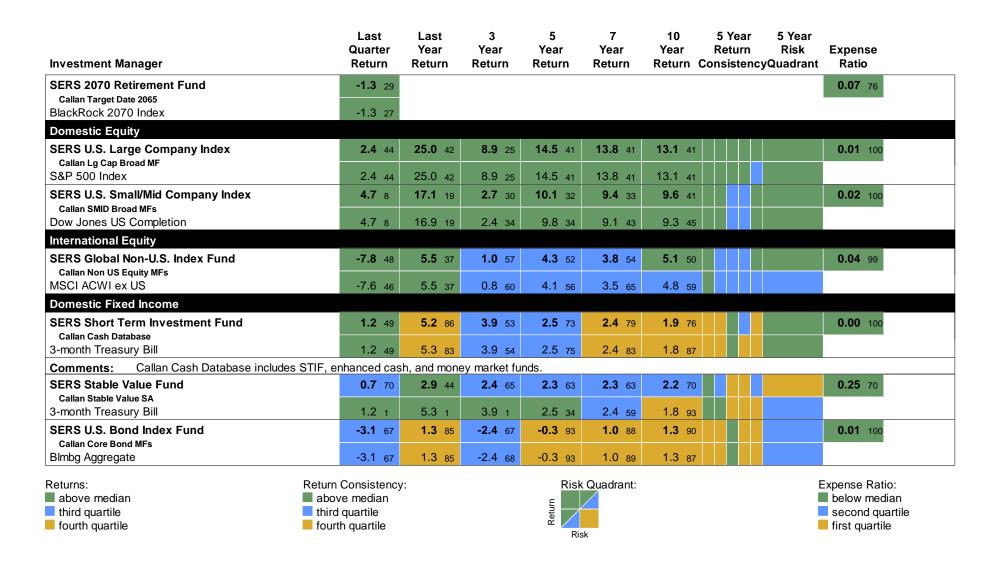
### Performance Summary & Expense Ratios as of December 31, 2024



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 December 31, 2024

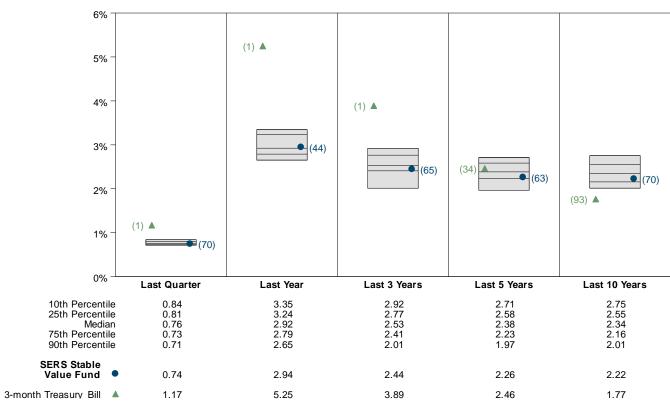


Note: For returns, each SERS Fund and corresponding benchmark return are shown with their respective peer group rankings. For returns, lower peer group rankings are more desirable (e.g. 25th percentile equates to top quartile performance). Expense Ratio: Higher peer group rankings are more desirable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



# Stable Value Fund as of December 31, 2024

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



Manager Diversification*								
Manager	Portfolio							
Jennison	3.4%							
Dodge & Cox	4.1%							
Invesco	61.6%							
Loomis Sayles	9.8%							
PFM	9.2%							
Ramirez (DWDO Manager)	9.4%							
STIF	2.6%							
Total	100%							

Wrap Provider Exposure*									
Contract Issuer	Portfolio	Average Fee	Moody's Rating	S&P Rating	Fitch Rating				
Nationwide Life Insurance	20.55%	0.14%	A1	A+	NR				
Met Tower Life	20.47%	0.15%	Aa3	AA-	AA-				
RGA	15.48%	0.15%	A1	AA-	A+				
Prudential Insurance Co.	15.43%	0.15%	Aa3	AA-	AA-				
Pacific Life Insurance	12.91%	0.15%	Aa3	AA-	AA-				
State Street Bank	12.75%	0.15%	Aa2	AA-	AA				
	97.59%	0.14%							

<sup>\*</sup>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: 4Q24**

2024 Real Assets Fees and Terms Study



2024 ESG Survey



3Q24 Market Intelligence Report (clients-only)



Coming Soon: 2025 Capital Markets Assumptions



#### **Recent Blog Posts**

IRS Guidance: How Reliable Is it?

Jana Steele

Public DB Plan Trends (and Some That Will Be)

Weston Lewis

Are Equity
Returns More
Volatile in an
Election Year?
It Depends!

Ric Ford and Drew Beiger

#### **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

#### 2025 National Conference

Registration is now open for this event in Scottsdale on April 27-29, 2025!

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

This year we welcome Zanny Minton Beddoes, Ethan Mollick, Admiral James Stavridis, Barry Sternlicht, and Evy Poumpouras to the stage! We will be updating our website as we add additional information regarding this event!

Learn more about this event at: https://www.callan.com/events/2025nationalconference/



#### Mark Your Calendar

#### 2025 Regional Workshops

June 3, 2025 - Denver

June 5, 2025 - New York

October 28, 2025 - Chicago

October 30, 2025 - San Francisco

Watch your email for further details and an invitation.

#### **Upcoming Webinars**

February 20, 2025

Research Café: ESG Interview Series

March 20, 2025

Research Café: Sector-Specific Strategies

March 28, 2025

STAR Webinar

April 25, 2025

Market Intelligence Report and Webinar



### **Introducing Callan On-Demand Education (CODE)**

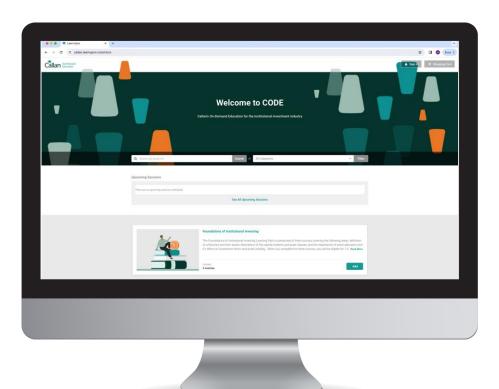


- ► Variety of educational courses
- ► Interactive and engaging
- ► Self-guided modules
- ► Eligible for continuing education credits
- ► Learning at your own pace

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

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



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