# Callan



Fourth Quarter 2024 Executive Summary

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# Callan

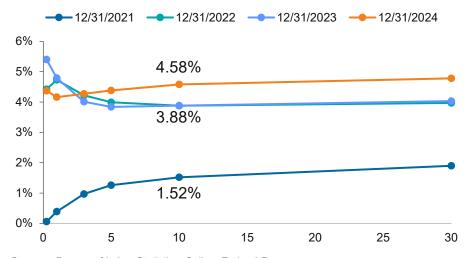
**Market Update** 

### **U.S. Economy—Summary**

#### For periods ended 12/31/24

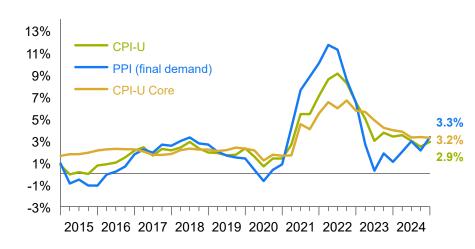
- ► The unemployment rate in December was 4.1%, down slightly from 4.2% in November and matching October's figure. This marks an increase from the 3.7% rate at the start of the year.
- ▶ GDP rose 2.3% in 4Q according to the advance estimate. A decrease from the 3Q reading of 3.1%.
- ► Headline CPI increased 2.9% year-over-year in December, while core CPI (ex-food and energy) increased 3.2% over the same period.
- ➤ The Fed cut rates by 25 bps in both November and December, bringing the target rate to 4.25%-4.50%. This marks a one percentage point drop from the Fed Funds Rate at the start of the year. The Fed held rates the same at the January 2025 meeting.

#### **U.S. Treasury Yield Curves**

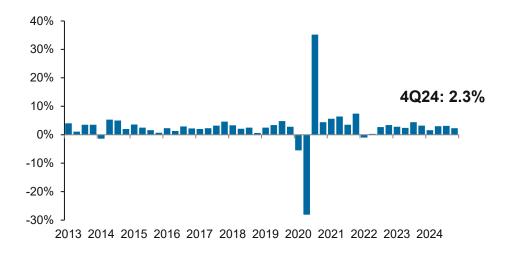


#### Sources: Bureau of Labor Statistics, Callan, Federal Reserve

#### Inflation Year-Over-Year



#### **Quarterly Real GDP Growth**





# **Callan Periodic Table of Investment Returns**

								Monthly Returns		
2021	2022	2023	2024	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Oct 24	Nov 24	Dec 24
Large Cap Equity	Private Real Estate	Large Cap Equity	Large Cap Equity	Large Cap Equity	EM Equity	REITS	Large Cap Equity	Private Real Estate	Small Cap Equity	Private Real Estate
28.71%	7.56%	26.29%	4.60%	10.56%	5.00%	16.07%	2.41%	0.28%	10.97%	0.28%
REITS	Interm. Fixed Income	Dev Non-U.S. Equity	High Yield	Dev Non-U.S. Equity	Large Cap Equity	Small Cap Equity	Private Real Estate	High Yield	Large Cap Equity	EM Equity
26.09%	-8.23%	18.24%	1.80%	5.78%	4.28%	9.27%	0.85%	-0.54%	5.87%	-0.14%
Private Real Estate	High Yield	Small Cap Equity	Small Cap Equity	Small Cap Equity	High Yield	EM Equity	Small Cap Equity	Large Cap Equity	REITS	High Yield
21.88%	-11.19%	16.93%	1.04%	5.18%	1.09%	8.72%	0.33%	-0.91%	2.39%	-0.43%
Small Cap Equity	U.S. Fixed Income	High Yield	Private Real Estate	EM Equity	Interm. Fixed Income	Dev Non-U.S. Equity	High Yield	Small Cap Equity	High Yield	Interm. Fixed Income
14.82%	-13.01%	13.44%	0.82%	2.37%	0.64%	7.26%	0.17%	-1.44%	1.15%	-0.62%
Dev Non-U.S. Equity	Dev Non-U.S. Equity	EM Equity	Interm. Fixed Income	High Yield	U.S. Fixed Income	Large Cap Equity	Interm. Fixed Income	Interm. Fixed Income	U.S. Fixed Income	U.S. Fixed Income
11.26%	-14.45%	9.83%	-0.53%	1.47%	0.07%	5.89%	-1.60%	-1.60%	1.06%	-1.64%
High Yield	Large Cap Equity	REITS	U.S. Fixed Income	Interm. Fixed Income	Dev Non-U.S. Equity	High Yield	U.S. Fixed Income	U.S. Fixed Income	Interm. Fixed Income	Dev Non-U.S. Equity
5.28%	-18.11%	9.67%	-1.76%	-0.15%	-0.42%	5.28%	-3.06%	-2.48%	0.62%	-2.27%
Interm. Fixed Income	EM Equity	U.S. Fixed Income	EM Equity	U.S. Fixed Income	Private Real Estate	U.S. Fixed Income	EM Equity	EM Equity	Private Real Estate	Large Cap Equit
-1.44%	-20.09%	5.53%	-1.86%	-0.78%	-0.82%	5.20%	-8.01%	-4.45%	0.28%	-2.38%
U.S. Fixed Income	Small Cap Equity	Interm. Fixed Income	REITS	REITS	REITS	Interm. Fixed Income	Dev Non-U.S. Equity	REITS	Dev Non-U.S. Equity	REITS
-1.54%	-20.44%	5.24%	-6.97%	-1.30%	-2.43%	4.17%	-8.11%	-5.08%	-0.57%	-7.08%
EM Equity	REITS	Private Real Estate	Dev Non-U.S. Equity	Private Real Estate	Small Cap Equity	Private Real Estate	REITS	Dev Non-U.S. Equity	EM Equity	Small Cap Equity
-2.54%	-25.10%	-13.33%	-7.26%	-2.38%	-3.28%	-0.07%	-9.69%	-5.44%	-3.59%	-8.26%

Sources: 
Bloomberg Aggregate 
Bloomberg Corp High Yield 
Bloomberg Int. Gov/Credit 
NCREIF ODCE Equal Weight Net

<sup>●</sup> EPRA/NAREIT Developed ● MSCI EAFE ● MSCI Emerging Markets ● Russell 2000 ● S&P 500



# Callan

**North Dakota PERS DC Plans** 

# **New Investment Structure With In-Plan Annuity Options**

Tier I: Asset Allocation	Tier II: Passive Core	Tier II: Active Core	Tier III: Specialty
Target Date Funds		Capital Preservation	
Nuveen Lifecycle Retirement		Galliard Stable Value	
		Vanguard Treasury MM	
		Empower IFAS VI	
		New York Life Anchor	
	Core Fixed Income	Core Plus Fixed Income	
	Vanguard Total Bond Index	Baird Core Plus Bond	
	U.S. Large-Cap Equity		
	Vanguard Institutional Index		
	Broad Non-U.S. Equity	Broad Non-U.S. Equity	
	Vanguard Total Intn'l Index	MFS International Diversification	
		U.S. Small/Mid-Cap Equity	
		JP Morgan US SMID Core	
			Real Estate
			Cohen & Steers Realty

<sup>\*</sup> Two annuity options were implemented January 1, 2025



**Brokerage Window** 

# Plan Performance Monitoring As of December 31, 2024 Asset Allocation Funds Last Quarter Year

iiiig			Lasi	Lasi	Lasi	
	Last	Last	3	5	7	
	Quarter	Year	Years	Years	Years	
Asset Allocation Funds	Quartor	1001	10010	10010	10010	_
Asset Allocation Funds						
Nuv een Lifecy cle Ret. Inc	(1.47%)	7.66%	1.44%	4.43%	4.67%	
LifeCycle Ret Income CB	(1.79%)	7.92%	1.51%	4.74%	5.09%	
Callan Tgt Dt Idx 2010	(1.88%)	7.07%	1.21%	4.23%	4.64%	
Odilari Tgt Dt Tax 2010	(1.0070)	7.0770	1.2170	4.2070	4.0470	
Nuv een Lifecy cle 2010 Fund	(1.38%)	7.59%	1.51%	4.46%	4.70%	
LifeCycle 2010 CB	(1.74%)	7.46%	1.30%	4.56%	4.97%	
Callan Tgt Dt Idx 2010	(1.88%)	7.07%	1.21%	4.23%	4.64%	
	()					
Nuv een Lifecy cle 2015 Fund	(1.47%)	7.86%	1.45%	4.69%	4.93%	
LifeCycle 2015 Cust Bnch	(1.78%)	8.09%	1.52%	4.99%	5.36%	
CAI Tgt Dt Idx 2015	(1.89%)	7.36%	1.29%	4.48%	4.87%	
	(4.500()	0.000/	4.000/	5.050/	5.000/	
Nuv een Lif ecy cle 2020 Fund	(1.50%)	8.33%	1.63%	5.05%	5.23%	
LifeCycle 2020 Cust Bnchm	(1.77%)	8.77%	1.78%	5.47%	5.78%	
CAI Tgt Dt Idx 2020	(1.90%)	7.86%	1.50%	4.90%	5.25%	
Nuv een Lifecy cle 2025 Fund	(1.49%)	9.06%	1.88%	5.67%	5.74%	
LifeCycle 2025 Cust Bnch	(1.74%)	9.57%	2.09%	6.06%	6.31%	
CAI Tgt Dt Idx 2025	(1.89%)	8.74%	1.89%	5.65%	5.90%	
Nuveen Lifecycle 2030 Fund	(1.46%)	10.16%	2.31%	6.41%	6.34%	
LifeCycle 2030 Cust Bnch	(1.67%)	10.74%	2.58%	6.81%	6.96%	
CAI Tgt Dt Idx 2030	(1.83%)	10.13%	2.52%	6.57%	6.66%	
CAI Tgt Dt Tux 2030	(1.03%)	10.13%	2.5270	0.57 %	0.00%	
Nuveen Lifecycle 2035 Fund	(1.51%)	11.36%	2.88%	7.22%	6.98%	
LifeCycle 2035 Cust Bnch	(1.58%)	12.07%	3.24%	7.68%	7.68%	
CAI Tgt Dt Idx 2035	(1.73%)	11.65%	3.24%	7.53%	7.44%	
Nuv een Lifecy cle 2040 Fund	(1.40%)	12.76%	3.61%	8.17%	7.69%	
LifeCycle 2040 Cust Bnch	(1.42%)	13.78%	4.10%	8.67%	8.47%	
CAI Tgt Dt Idx 2040	(1.65%)	13.05%	3.88%	8.31%	8.06%	
Nuv een Lif ecy cle 2045 Fund	(1.34%)	13.80%	3.98%	8.86%	8.23%	
LifeCy cle 2045 Cust Bnch	(1.27%)	14.94%	4.52%	9.42%	9.07%	
CAI Tgt Dt Idx 2045	(1.61%)	14.04%	4.33%	8.86%	8.48%	
Nuveen Lifecycle 2050 Fund	(1.34%)	14.27%	4.14%	9.09%	8.40%	
LifeCycle 2050 Cust Bnch	· · · · · · · · · · · · · · · · · · ·	15.49%	4.70%	9.67%	9.26%	
	(1.19%)					
CAI Tgt Dt Idx 2050	(1.58%)	14.65%	4.61%	9.14%	8.69%	
Nuv een Lif ecy cle 2055 Fund	(1.29%)	14.46%	4.23%	9.19%	8.48%	
LifeCycle 2055 Cust Bnch	(1.17%)	15.70%	4.79%	9.79%	9.36%	
CAI Tgt Dt Idx 2055	(1.57%)	14.93%	4.73%	9.26%	8.78%	
OAI 19t Dt 10x 2000	(1.57 70)	14.9370	4.7570	3.2070	0.7070	
Nuv een Lifecy cle 2060 Fund	(1.31%)	14.56%	4.29%	9.31%	8.57%	
LifeCycle 2060 Cust Bnch	(1.14%)	15.91%	4.89%	9.92%	9.47%	
Callan Tgt Dt Idx 2060	(1.57%)	15.04%	4.78%	9.32%	8.83%	
· ·						
Nuv een Lifecy cle 2065 Fund	(1.30%)	14.71%	4.42%	-	-	
LifeCycle 2065Custom Ben	(1.12%)	16.11%	4.98%	-	-	
Callan Tgt Dt Idx 2065	(1.57%)	15.07%	4.80%	9.33%	8.83%	

Last

Last

Last



# **Plan Performance Monitoring**

# As of December 31, 2024

			Last	Last	Last
	Last	Last	3	5	7
	Quarter	Year	Years	Years	Years
Large Cap U.S. Equity					
Vanguard Institutional Index	2.40%	24.97%	8.90%	14.49%	13.80%
S&P 500 Index	2.41%	25.02%	8.94%	14.53%	13.83%
Small/Mid Cap U.S. Equity					
JPMorgan SMID Cap Equity R6	(1.37%)	10.99%	0.77%	6.93%	6.62%
Russell 2500 Index	0.62%	12.00%	2.39%	8.77%	8.33%
	0.0270		2.007	<b>3</b> . , ,	0.0070
Non-U.S. Equity					
MFS International Diversification R6	(7.58%)	6.52%	0.38%	4.70%	5.07%
MSCI ACWI xUS (Net)	(7.60%)	5.53%	0.82%	4.10%	3.53%
Vanguard Total Int'l Stock Adm	(7.42%)	5.14%	0.67%	4.28%	3.61%
FTSE GI All Cap ex US ldx	(7.49%)	5.53%	0.83%	4.42%	3.71%
Fixed Income					
Vanguard Total Bond Index Adm	(3.04%)	1.24%	(2.42%)	(0.32%)	0.97%
Blmbg Aggregate Flt Adj	(2.99%)	1.33%	(2.39%)	(0.27%)	1.01%
Dimog riggiogate i itraj	(2.5570)	1.0070	(2.0070)	(0.27 70)	1.0170
Baird Core Plus Bond Instl	(2.67%)	2.54%	(1.52%)	0.56%	1.72%
Blmbg Universal	(2.73%)	2.04%	(1.95%)	0.06%	1.28%
Conital Bus somestice					
Capital Preservation Galliard Stable Value C	0.77%	2.98%	2.51%	2.28%	2.23%
	1.17%	5.25%	3.89%	2.46%	2.25%
3-month Treasury Bill	1.17 70	5.25%	3.0970	2.40%	2.35%
Vanguard Treasury MM Inv	1.17%	5.24%	3.92%	2.43%	2.30%
3-month Treasury Bill	1.17%	5.25%	3.89%	2.46%	2.35%
Sector Funds					
Cohen & Steers Realty Shares	(8.31%)	6.50%	(3.44%)	4.51%	6.83%
FTSE NAREIT All Eq Index	(8.15%)	4.92%	(4.28%)	3.29%	5.47%
I TOL MANLIT All LY ITIUEX	(0.1370)	7.32 /0	(4.20 /0)	J.29 /0	J.41 /0



# **Plan Investment Fees**

# As of December 31, 2024

		Callan Peer			
		Operating Expense Ratio	Revenue	Group	
Asset Class and Strategy	Ticker/Vehicle	(Peer Ranking*)	Sharing %	Median**	
Asset Allocation Funds					
Nuveen Lifecycle Ret. Inc	TLRIX	0.37% (77)	0.00%	0.50%	
Nuveen Lifecycle 2010 Fund	TCTIX	0.37% (53)	0.00%	0.44%	
Nuveen Lifecycle 2015 Fund	TCNIX	0.38% (67)	0.00%	0.50%	
Nuveen Lifecycle 2020 Fund	TCWIX	0.39% (75)	0.00%	0.53%	
Nuveen Lifecycle 2025 Fund	TCYIX	0.40% (69)	0.00%	0.52%	
Nuveen Lifecycle 2030 Fund	TCRIX	0.41% (67)	0.00%	0.52%	
Nuveen Lifecycle 2035 Fund	TCIIX	0.42% (65)	0.00%	0.53%	
Nuveen Lifecycle 2040 Fund	TCOIX	0.43% (69)	0.00%	0.53%	
Nuveen Lifecycle 2045 Fund	TTFIX	0.44% (65)	0.00%	0.53%	
Nuveen Lifecycle 2050 Fund	TFTIX	0.45% (61)	0.00%	0.53%	
Nuveen Lifecycle 2055 Fund	TTRIX	0.45% (61)	0.00%	0.53%	
Nuveen Lifecycle 2060 Fund	TLXNX	0.45% (66)	0.00%	0.55%	
Nuveen Lifecycle 2065 Fund	TSFTX	0.45%	0.00%	-	

Fees for Stable Value funds are supplied by the manager. Fee information is provided by the recordkeeper. This data is not audited by Callan.

<sup>\*\*</sup> The peer group median is for the total annual operating expense ratio. Funds in the peer group may or may not contain revenue sharing.



<sup>\*</sup> A higher peer group ranking is more favorable.

# **Plan Investment Fees**

# As of December 31, 2024

Asset Class and Strategy	Ticker/Vehicle	Total Annual Operating Expense Ratio (Peer Ranking*)	Revenue Sharing %	Callan Peer Group Median**
U.S. Equity Large Cap U.S. Equity Vanguard Institutional Index	VINIX	0.04% (99)	0.00%	0.64%
Small/Mid Cap U.S. Equity JPMorgan SMID Cap Equity R6	WOOSX	0.59% (84)	0.00%	0.85%
Non-U.S. Equity Vanguard Total Int'l Stock Adm	VTIAX	0.09% (99)	0.00%	0.84%
Fixed Income Vanguard Total Bond Index Adm Baird Core Plus Bond Instl	VBTLX BCOIX	0.05% <sub>(99)</sub> 0.30% <sub>(92)</sub>	0.00% 0.00%	0.43% 0.46%
Capital Preservation Galliard Stable Value C Vanguard Treasury MM Inv	CIT VUSXX	0.37% <sub>(73)</sub> 0.09% <sub>(95)</sub>	0.00% 0.00%	0.40% 0.15%
Sector Funds Cohen & Steers Realty Shares	CSRSX	0.88% (42)	0.30%	0.81%

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<sup>\*</sup> A higher peer group ranking is more favorable.

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