

MPERS
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Q2 2026 INVESTMENT SUMMARY: BOARD REPORT

MODOT & PATROL EMPLOYEES' RETIREMENT SYSTEM

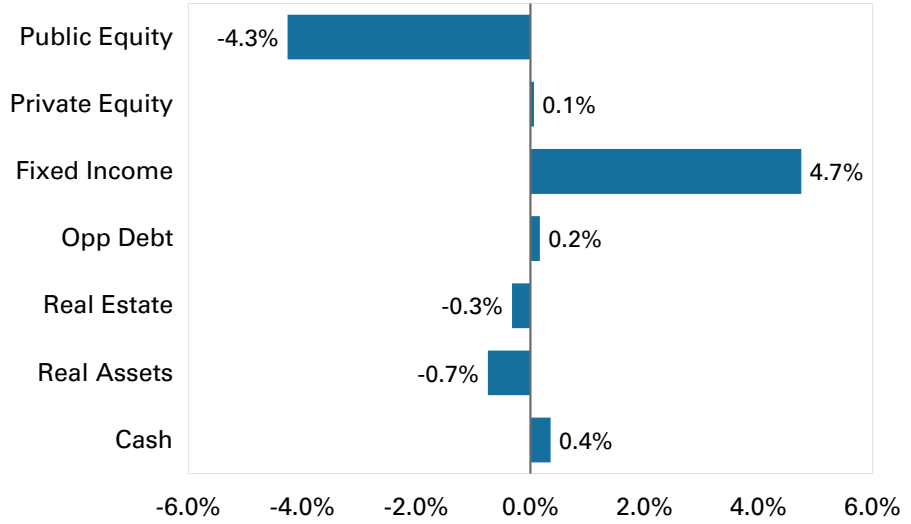


Kevin Leonard, Partner
Keith Stronkowsky, Sr. Consultant
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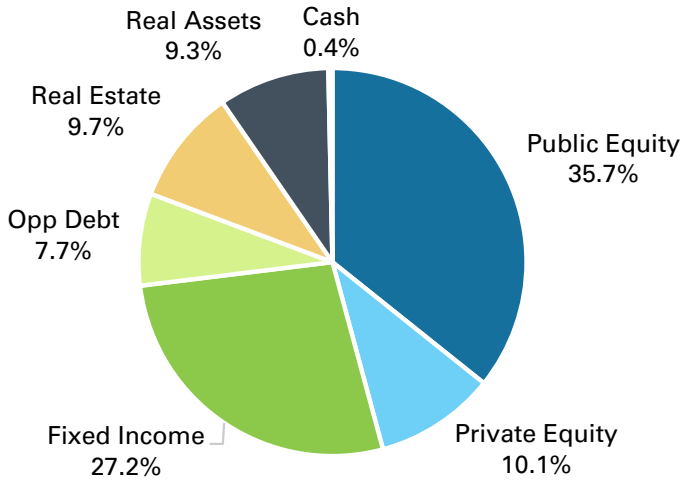
NEPC

ASSET ALLOCATION – CURRENT vs. POLICY

Current Notional Allocation



Current Notional Allocation

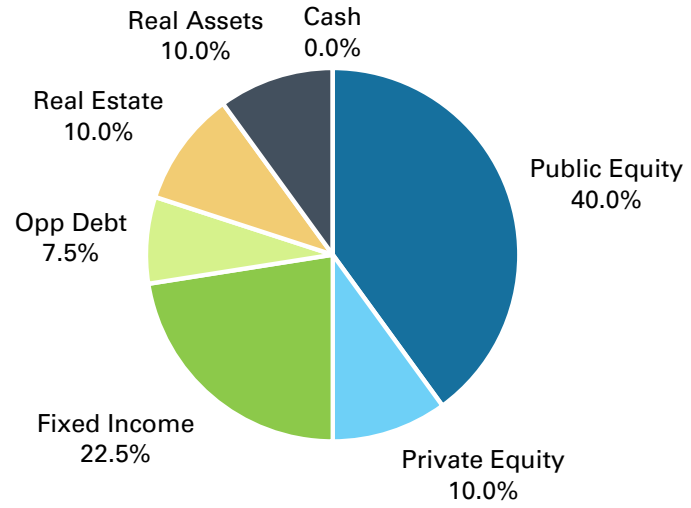


Current Notional Allocation vs. Policy

	Current ($)	Current %	Policy %	Difference*
Public Equity	$1,743,072,434	35.7%	40.0%	-4.3%
Private Equity	$490,613,335	10.1%	10.0%	0.1%
Fixed Income	$1,328,851,437	27.2%	22.5%	4.7%
Opp Debt	$373,846,490	7.7%	7.5%	0.2%
Real Estate	$471,849,106	9.7%	10.0%	-0.3%
Real Assets	$451,277,219	9.3%	10.0%	-0.7%
Cash	$17,447,609	0.4%	0.0%	0.4%
Total	**$4,876,957,630**	**100.0%**	**100.0%**	

** Difference between the Current Notional Allocation and the Policy (unlevered)*

Policy Allocation - Unlevered

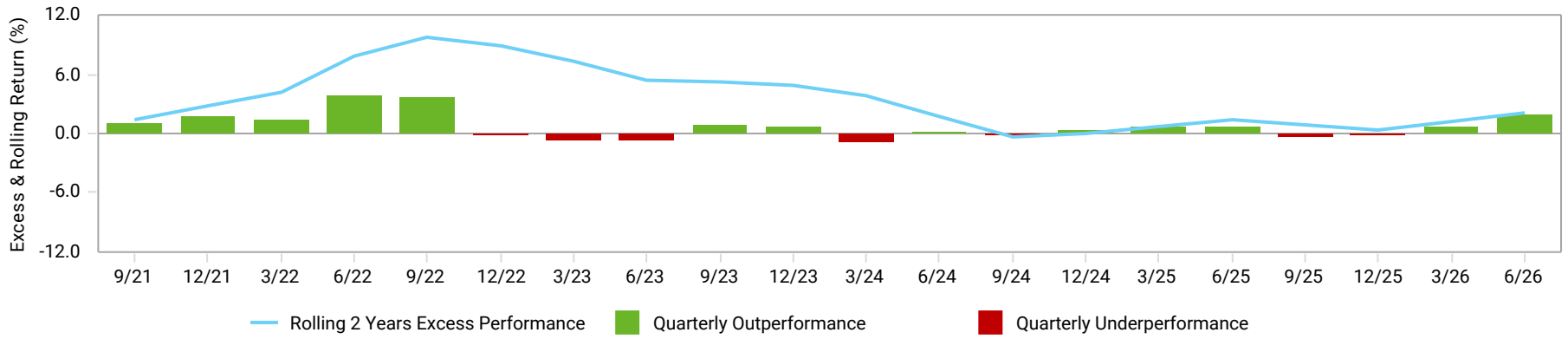


Data is based off the portfolio's notional values

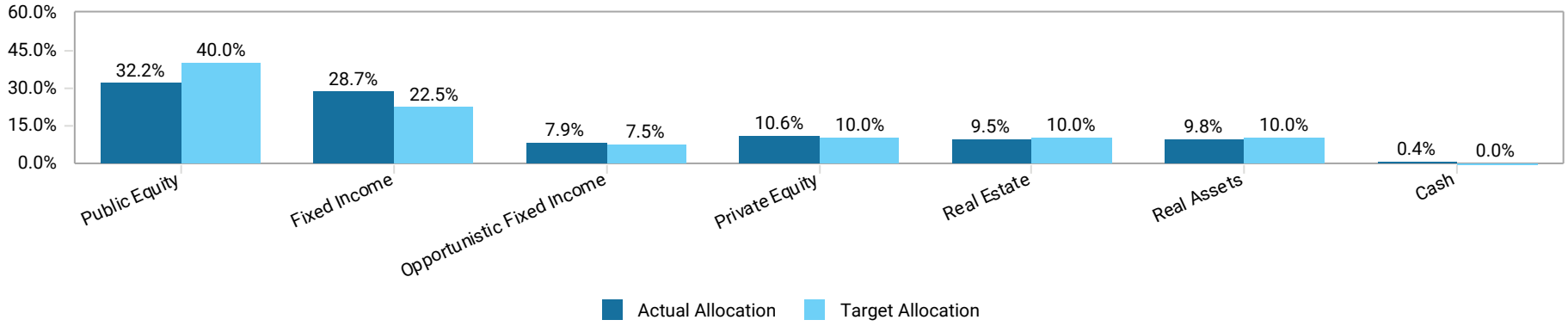
TOTAL FUND PERFORMANCE SUMMARY

	Market Value ($)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	20 Yrs (%)
Total Composite	**4,627,512,360**	**8.1 (71)**	**8.2 (32)**	**16.2 (34)**	**14.0 (15)**	**10.9 (2)**	**11.0 (2)**	**8.4 (3)**
Policy Index		*6.2 (92)*	*5.6 (90)*	*13.8 (72)*	*12.3 (57)*	*7.6 (22)*	*9.2 (35)*	*7.5 (21)*
All Public DB Plans Median		*8.9*	*7.5*	*15.1*	*12.5*	*6.7*	*8.9*	*7.1*

Quarterly and Cumulative Excess Performance

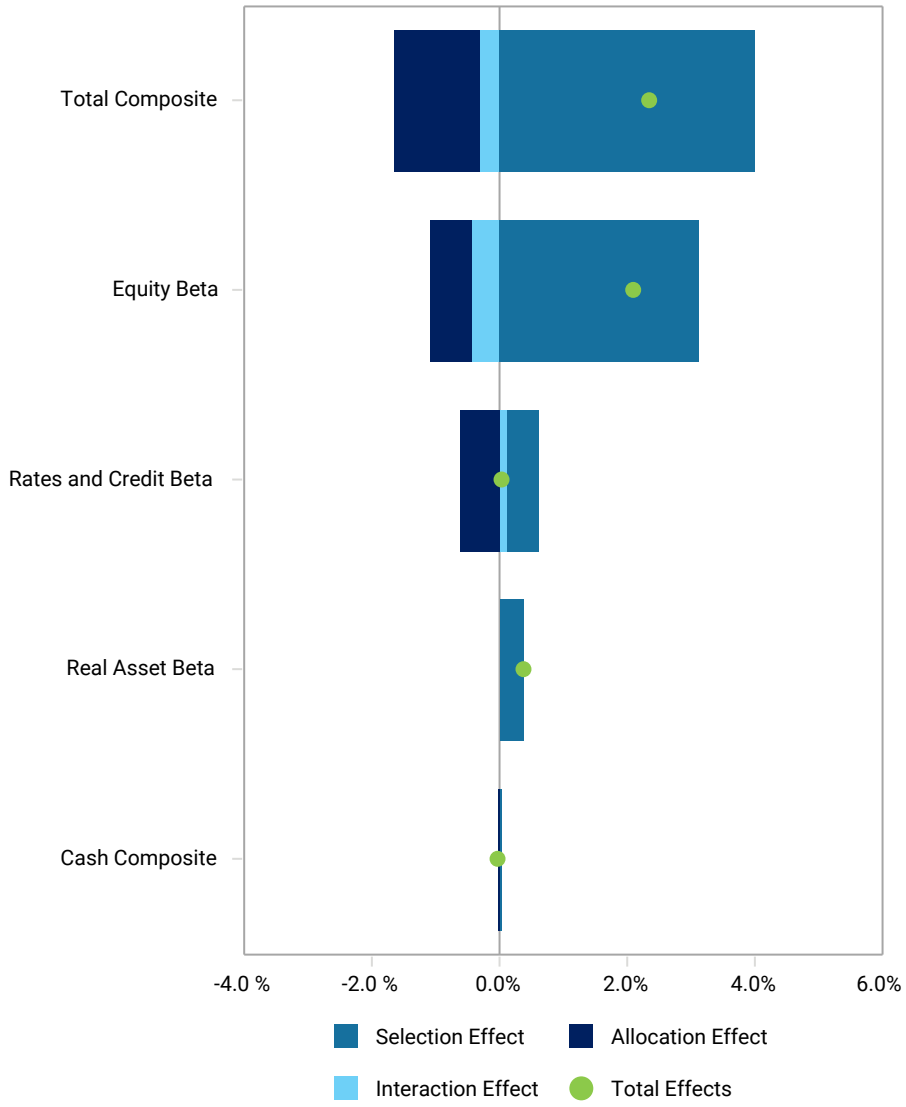


Asset Allocation vs. Target



TOTAL FUND ATTRIBUTION ANALYSIS

Attribution Effects
1 Year Ending June 30, 2026



Attribution Summary
1 Year Ending June 30, 2026

	Wtd. Actual Return (%)	Wtd. Index Return (%)	Excess Return (%)	Selection Effect (%)	Allocation Effect (%)	Interaction Effects (%)	Total Effects (%)
Equity Beta	30.3	23.4	7.0	3.1	-0.7	-0.4	2.1
Rates and Credit Beta	5.6	4.0	1.6	0.5	-0.6	0.1	0.0
Real Asset Beta	7.4	5.6	1.8	0.4	0.0	0.0	0.4
Cash Composite	3.8	3.8	0.0	0.0	0.0	0.0	0.0
Total Composite	**16.2**	**13.8**	**2.4**	**4.0**	**-1.4**	**-0.3**	**2.4**

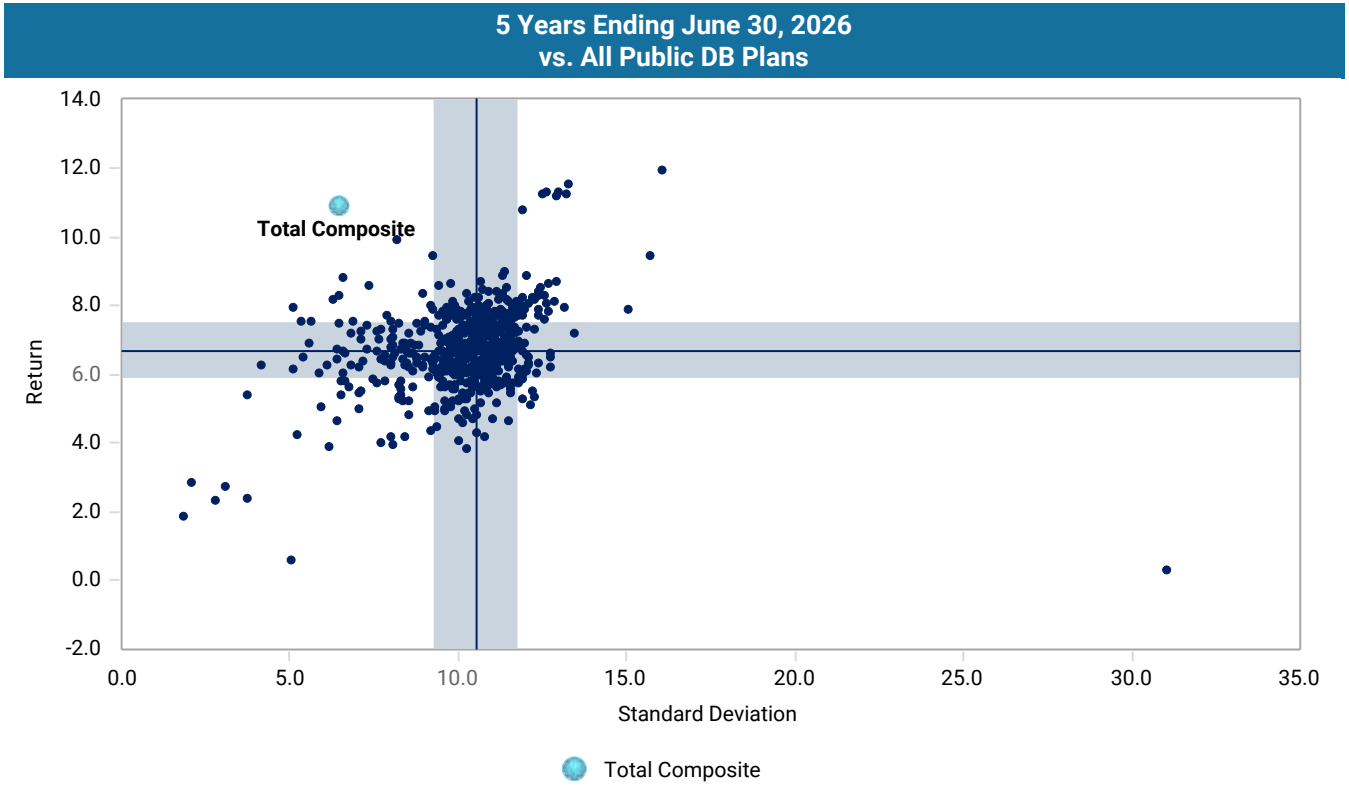
Allocation Effect - The return attributable to the asset allocation of the portfolio
Selection Effect - The return attributable to the managers' security selection

TOTAL FUND ALLOCATION AND RETURN SUMMARY

	Asset Allocation				Returns (%)									
	Capital Allocation ($)	Notional Allocation ($)	Notional Allocation	Target Allocation	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	10 Yrs	Rank	20 Yrs	Rank
Total Composite	**$4,627,512,360**	**$4,876,957,630**	**100.0%**	**100.0%**	**16.16**	**34**	**14.04**	**15**	**10.91**	**2**	**11.01**	**2**	**8.38**	**3**
Policy Index					*13.81*	*72*	*12.27*	*57*	*7.58*	*22*	*9.17*	*35*	*7.50*	*21*
Equity Beta	**$1,984,240,499**	**$2,233,685,769**	**45.8%**	**50.0%**	**30.34**		**22.15**		**14.91**					
Public Equities	**$1,493,627,164**	**$1,743,072,434**	**35.7%**	**40.0%**	**35.01**	**14**	**25.75**	**9**	**15.79**	**5**	**14.52**	**15**	**9.50**	**16**
MSCI ACWI					*23.67*	*39*	*19.70*	*31*	*10.98*	*30*	*12.78*	*33*	*8.44*	*42*
Private Equity	**$490,613,335**	**$490,613,335**	**10.1%**	**10.0%**	**16.31**		**11.78**		**11.23**		**14.89**		**10.90**	
MO Hwy PE. Index – Lag					*21.29*		*21.82*		*15.40*		*17.55*		*13.53*	
Rates and Credit Beta	**$1,702,697,926**	**$1,702,697,926**	**34.9%**	**30.0%**	**5.62**		**7.94**		**5.62**		-		-	
Traditional Fixed Income	**$1,328,851,437**	**$1,328,851,437**	**27.2%**	**22.5%**	**5.70**	**24**	**7.16**	**37**	**3.12**	**31**	**4.19**	**30**	**5.33**	**15**
MoDOT Fixed Inc. Blend					*3.32*	*61*	*3.97*	*83*	*-0.10*	*74*	*1.73*	*70*	*3.50*	*51*
Opportunistic Debt	**$373,846,490**	**$373,846,490**	**7.7%**	**7.5%**	**5.33**	**65**	**9.68**	**5**	**9.66**	**1**				
Bloomberg US High Yield					*5.91*	*38*	*8.86*	*24*	*4.17*	*40*				
Real Assets Beta	**$923,126,325**	**$923,126,325**	**18.9%**	**20.0%**	**7.39**		**7.51**		**11.09**					
Real Assets	**$451,277,219**	**$451,277,219**	**9.3%**	**10.0%**	**13.15**		**11.13**		**14.32**		**9.80**			
CPI + 4% Unadjusted					*7.67*		*7.18*		*8.38*		*7.45*			
Real Estate	**$471,849,106**	**$471,849,106**	**9.7%**	**10.0%**	**1.78**		**3.43**		**7.05**		**7.94**		**6.77**	
MoDOT Real Estate Blend					*3.54*		*-1.64*		*1.88*		*3.96*		*5.73*	
Cash Composite	**$17,447,609**	**$17,447,609**	**0.4%**	**0.0%**	**3.82**		**4.24**		**3.27**		**2.16**		**1.62**	
90 Day T-Bill					*3.84*		*4.64*		*3.52*		*2.34*		*1.67*	
Bank Line	-	-												

Leverage Metrics	
Fund Leverage (%)	**5.4%**
Fund Leverage ($)	**$249,445,270**
Leverage by Type	
Public Equities	$249,445,270
Bank Line	-
	$249,445,270

TOTAL FUND RISK/RETURN - 5 YEARS

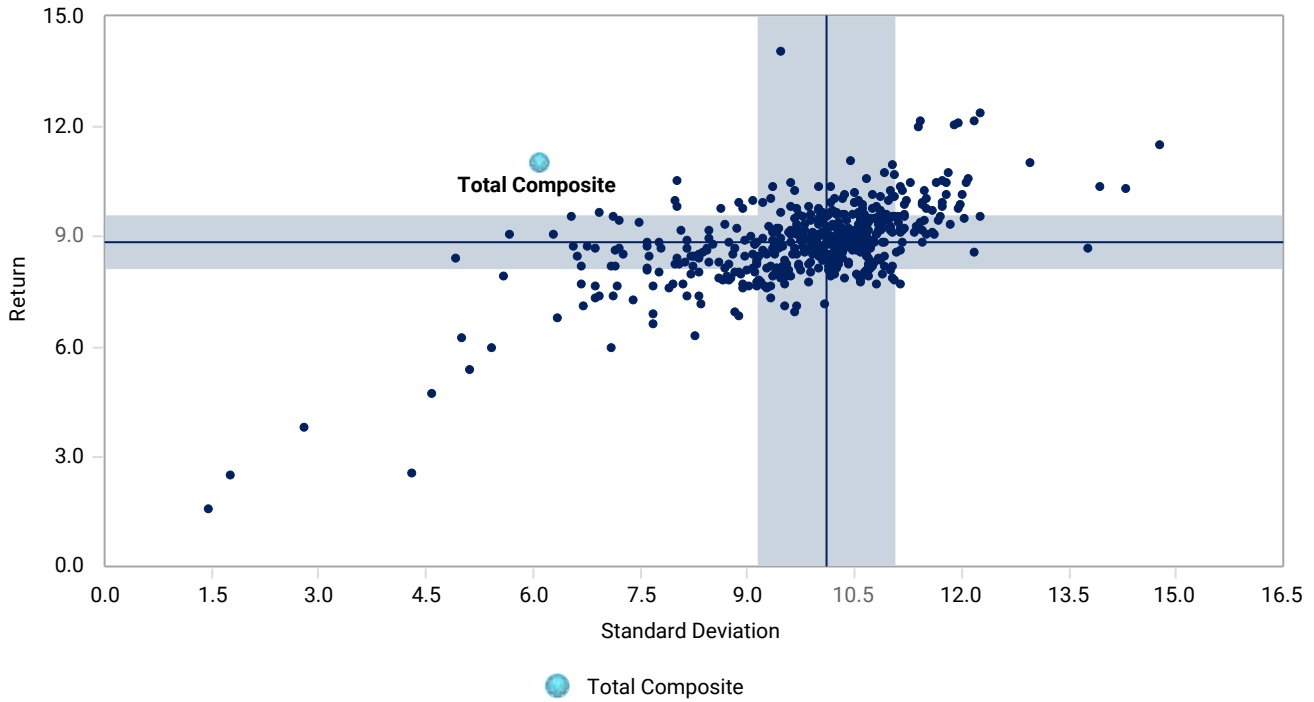


Statistics Summary
5 Years Ending June 30, 2026

	5 Years Return	5 Years Standard Deviation	5 Years Sharpe Ratio	5 Years Sortino Ratio
Total Composite	**10.9 (2)**	**6.5 (4)**	**1.1 (1)**	**1.9 (1)**
Policy Index	*7.6 (22)*	*7.7 (8)*	*0.5 (5)*	*0.8 (6)*

TOTAL FUND RISK/RETURN - 10 YEARS

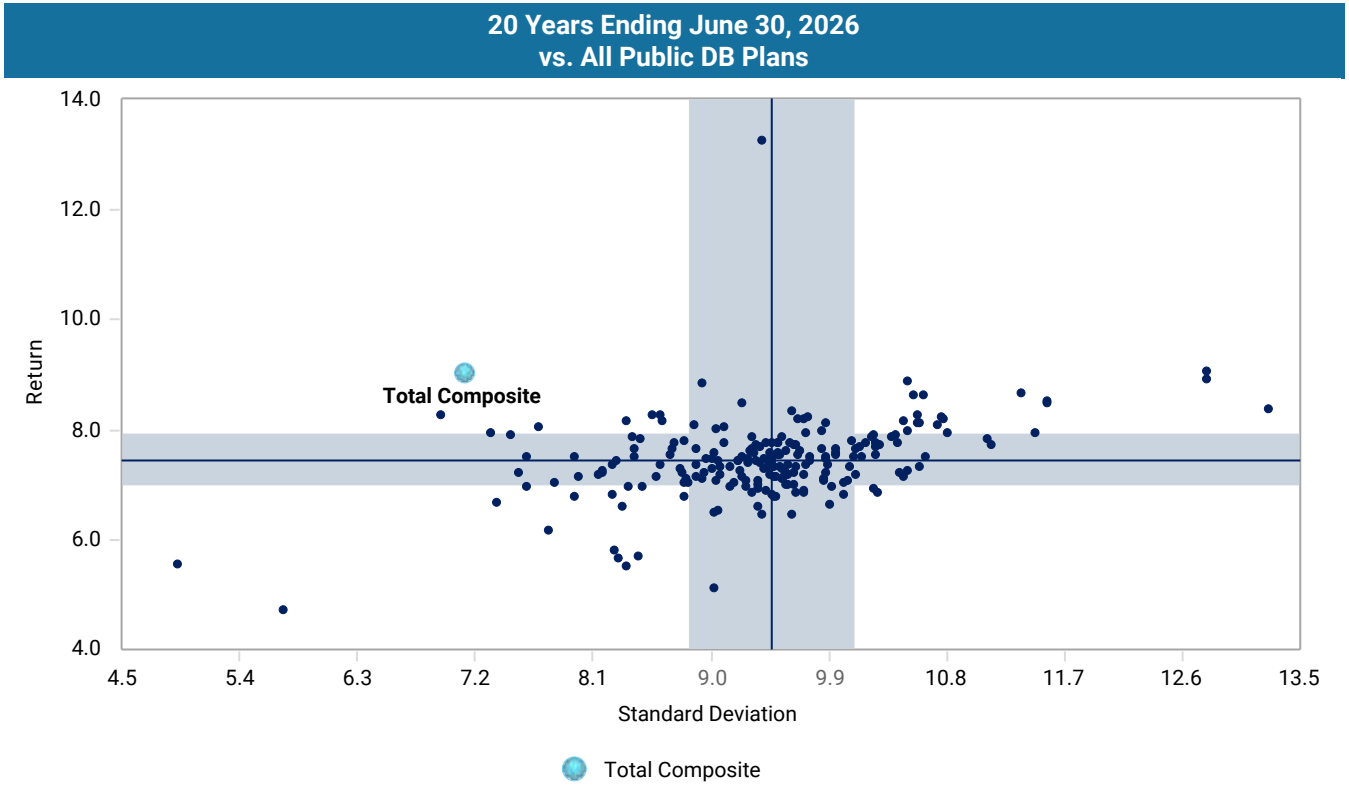
10 Years Ending June 30, 2026
vs. All Public DB Plans



Statistics Summary
10 Years Ending June 30, 2026

	10 Years Return	10 Years Standard Deviation	10 Years Sharpe Ratio
Total Composite	**11.0 (2)**	**6.1 (2)**	**1.4 (1)**
Policy Index	*9.2 (35)*	*7.0 (4)*	*1.0 (2)*

TOTAL FUND RISK/RETURN - 20 YEARS



Statistics Summary 20 Years Ending June 30, 2026			
	20 Years Return	20 Years Standard Deviation	20 Years Sharpe Ratio
Total Composite	**8.4 (3)**	**7.3 (1)**	**0.9 (1)**
Policy Index	*7.5 (21)*	*7.4 (1)*	*0.8 (1)*

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