



Los Angeles County Employees Retirement Association

ATTACHMENT 1

Investments Division

OPEB TRUST

PERFORMANCE
REPORT

For the quarter ended
December 31, 2024

review

An aerial photograph of Los Angeles at sunset. The city skyline is visible in the background, with the sun setting behind the mountains, casting a warm glow over the city. The foreground shows residential areas with palm trees and a river or canal.

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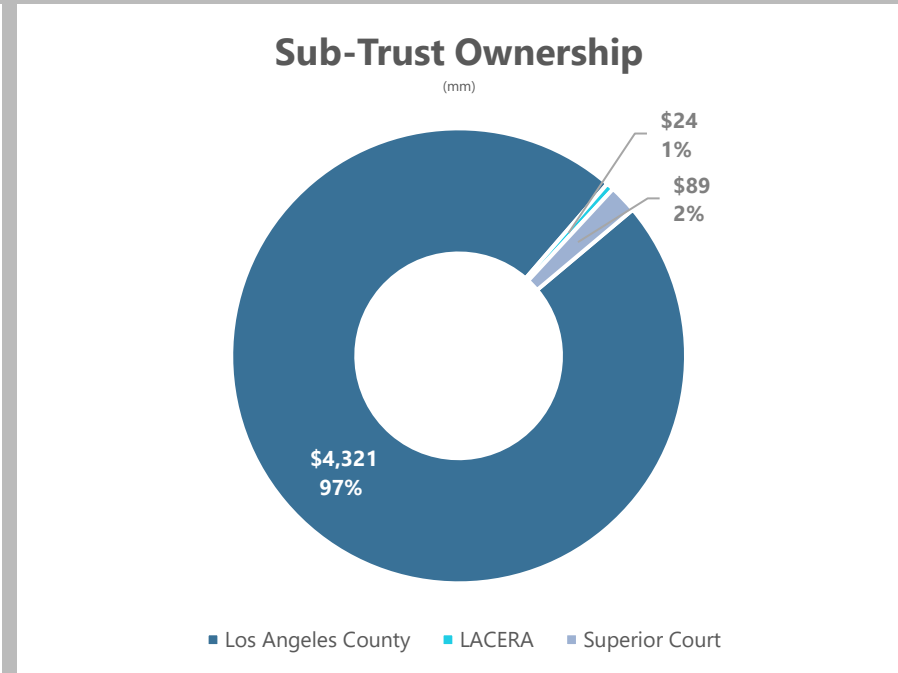
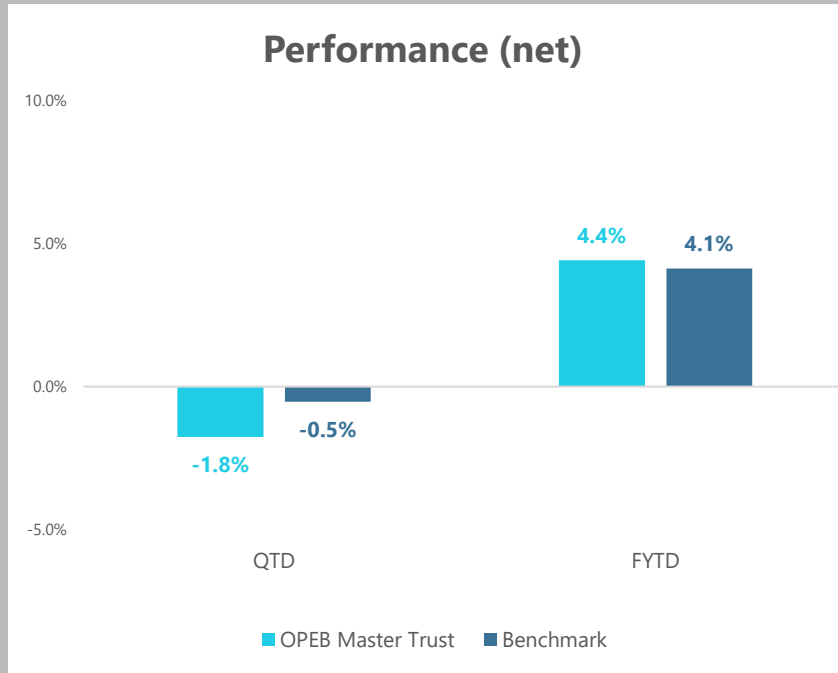
performance

Quarterly Snapshot

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association



Ending Market Value	Sharpe Ratio ²	Manager Batting Average ³	Standard Deviation ²	Tracking Error ²
4,434	-0.06	.500	12.3	2.0

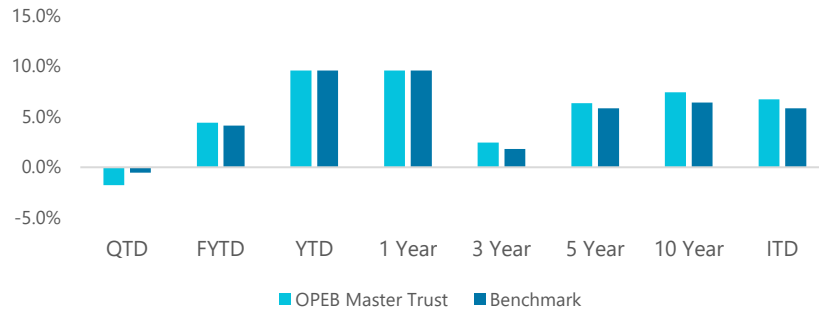
¹ 3-year annualized.

² Percentage of managers that outperformed their assigned benchmark for the quarter.

Summary

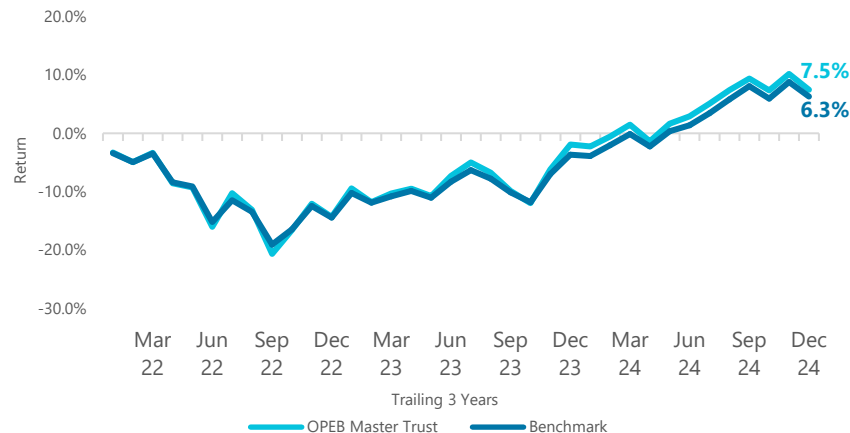
for the quarter ended December 31, 2024

Performance (net)



	QTD	FYTD	YTD	1 Year	3 Year	5 Year	10 Year	ITD
OPEB Master Trust	-1.8%	4.4%	9.5%	9.5%	2.4%	6.3%	7.4%	6.7%
Benchmark	-0.5%	4.1%	9.5%	9.5%	1.8%	5.8%	6.4%	5.8%
Excess	-1.2%	0.3%	0.0%	0.0%	0.6%	0.5%	1.0%	0.9%
Sub-Trusts								
Los Angeles County	-1.8%	4.4%	9.6%	9.6%	2.4%	6.3%	6.9%	6.3%
LACERA	-1.8%	4.3%	9.5%	9.5%	2.3%	6.2%	6.9%	6.3%
Superior Court	-1.8%	4.3%	9.5%	9.5%	2.4%	6.2%	--	7.5%

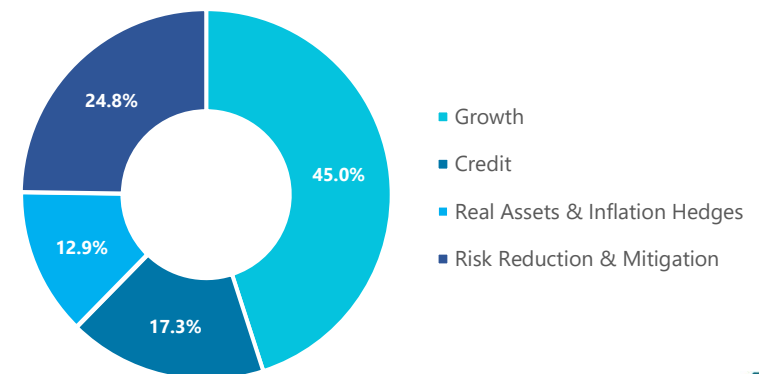
Cumulative Return



Functional Category

	QTD	FYTD	YTD	1 Year	3 Year	5 Year
OPEB Growth	-1.0%	5.6%	16.7%	16.7%	5.1%	9.9%
OPEB Growth Policy Benchmark	-0.3%	6.1%	18.2%	18.2%	5.0%	9.8%
Excess	-0.7%	-0.5%	-1.6%	-1.6%	0.1%	0.2%
OPEB Credit	0.4%	4.5%	6.7%	6.7%	4.2%	3.5%
OPEB Credit Policy Benchmark	2.6%	5.5%	9.8%	9.8%	4.6%	4.1%
Excess	-2.3%	-0.9%	-3.0%	-3.0%	-0.4%	-0.6%
OPEB Real Assets & Inflation Hedges	-3.5%	5.0%	5.7%	5.7%	-2.9%	3.2%
OPEB RA & IH Policy Benchmark	0.0%	0.9%	-0.6%	-0.6%	-4.2%	2.1%
Excess	-3.5%	4.0%	6.3%	6.3%	1.3%	1.1%
OPEB Risk Reduction & Mitigation	-4.0%	1.3%	0.0%	0.0%	-2.0%	-0.2%
OPEB RR & M Policy Benchmark	-4.0%	1.3%	-0.3%	-0.3%	-2.7%	-0.7%
Excess	0.0%	0.1%	0.3%	0.3%	0.7%	0.4%

Exposure



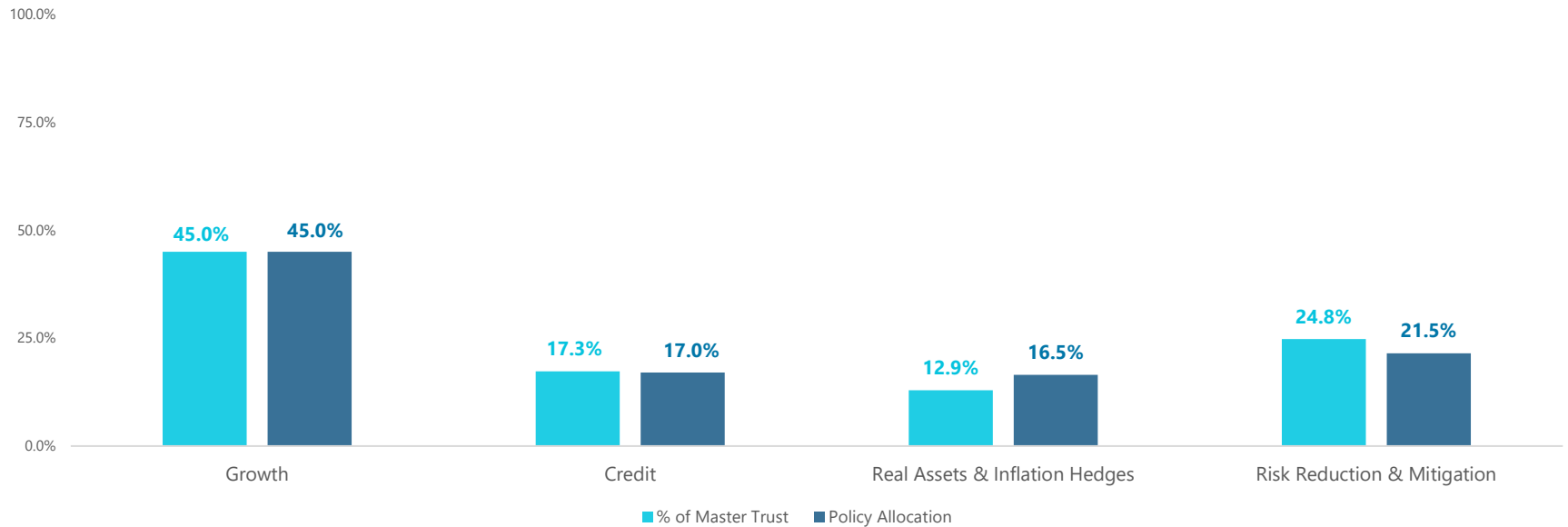
Asset Allocation

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Actual vs. Policy¹



	Ending Market Value (mm)	% of Master Trust	Policy Allocation	Over / Under (%)	Over / Under (mm)
LACERA Master OPEB Trust Fund	4,433	100.0%	100.0%		
Growth	1,996	45.0%	45.0%	0.0%	1
Credit	768	17.3%	17.0%	0.3%	14
Real Assets & Inflation Hedges	571	12.9%	16.5%	-3.6%	-160
Risk Reduction & Mitigation	1,098	24.8%	21.5%	3.3%	145
OPEB HL PM Cash	0	0.0%			

¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

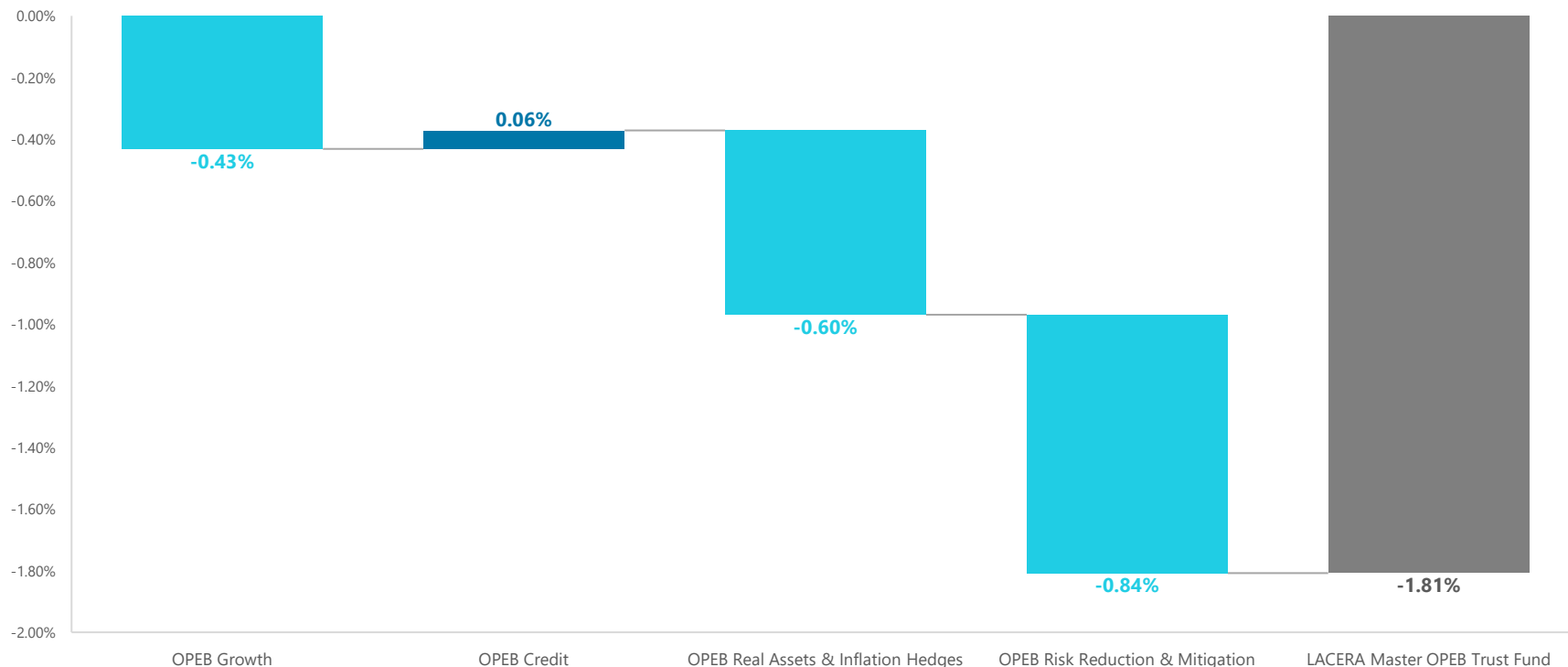
Contribution to Return

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

QTD Contribution to Return¹



Functional Category	Contributors	Detractors
OPEB Growth	-0.43%	OPEB BLK Bank Loans 0.15%
OPEB Credit	0.06%	OPEB BLK REITS -0.59%
OPEB Real Assets & Inflation Hedges	-0.60%	OPEB HL Private Equity 0.04%
OPEB Risk Reduction & Mitigation	-0.84%	OPEB HL Infrastructure 0.04%
LACERA Master OPEB Trust Fund	-1.81%	OPEB BLK IG Bonds -0.51%
		OPEB BLK Global Equities -0.47%
		OPEB Cash 0.02%
		OPEB BLK LTG Bonds -0.35%
		OPEB HL Illiquid Credit 0.02%
		OPEB BLK EM Debt CTF -0.11%

¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

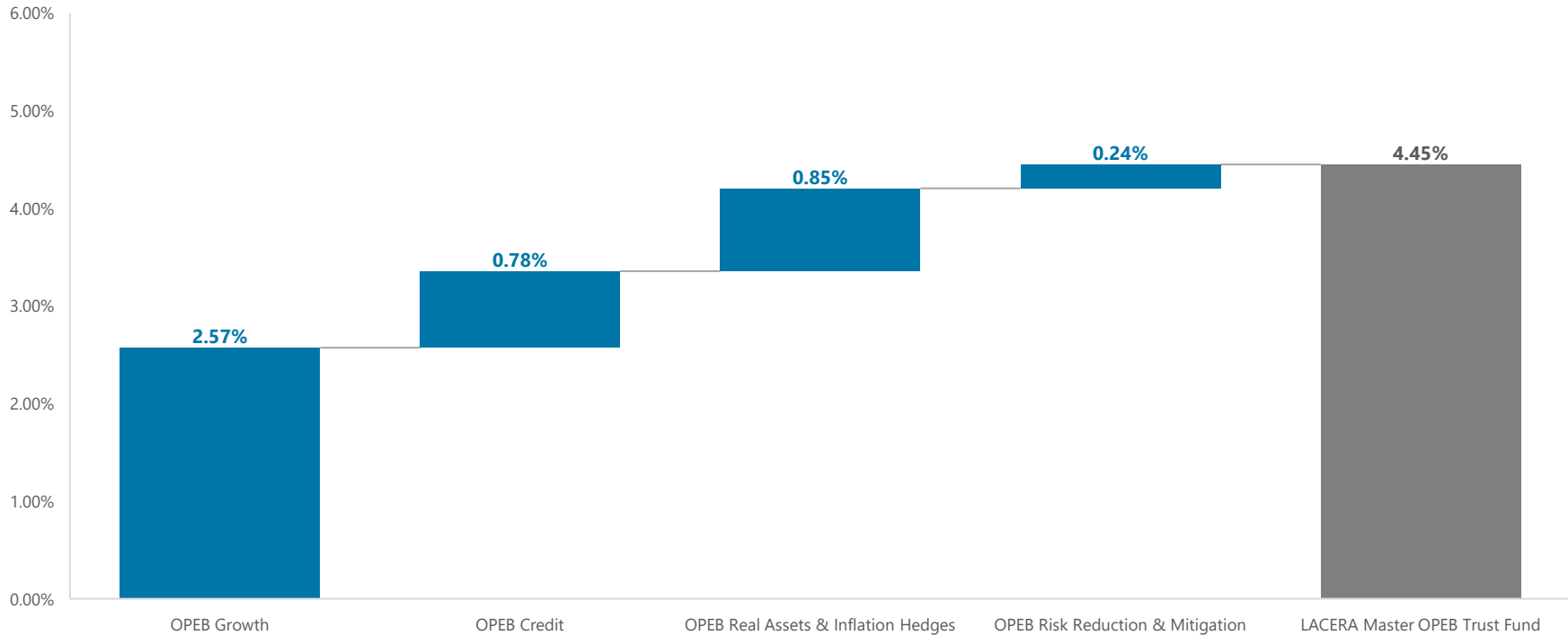
Contribution to Return

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

FYTD Contribution to Return¹



Functional Category	Contributors	Detractors
OPEB Growth	2.57% OPEB BLK Global Equities	OPEB BLK Commodities CTF -0.13%
OPEB Credit	0.78% OPEB BLK REITS	OPEB BLK LTG Bonds -0.04%
OPEB Real Assets & Inflation Hedges	0.85% OPEB BLK High Yield	OPEB HL Natural Resources -0.01%
OPEB Risk Reduction & Mitigation	0.24% OPEB BLK Bank Loans	
LACERA Master OPEB Trust Fund	4.45% OPEB BLK IG Bonds	0.23%

¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

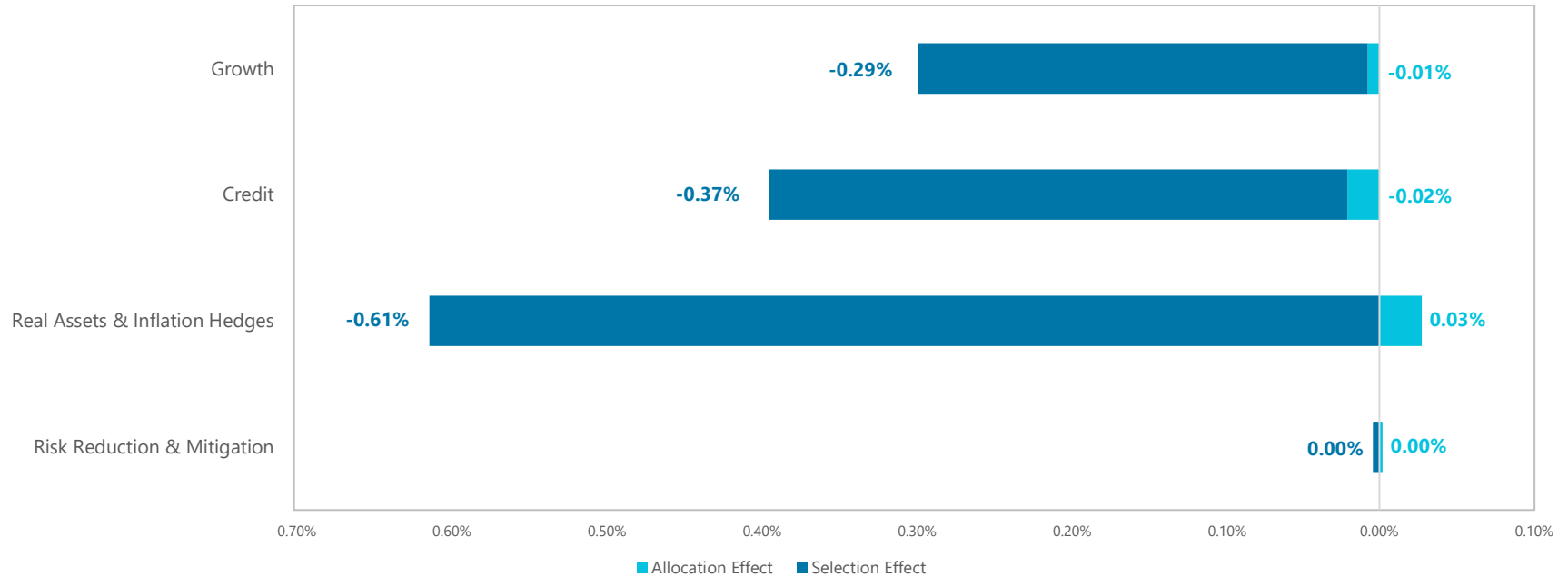
Return Attribution

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

QTD Performance Attribution^{1,2}



	Ending Market Value (mm)	% of Master Trust	Policy Allocation	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Total Value Add
LACERA Master OPEB Trust Fund	4,433	100.0%	100.0%	-1.8%	-0.5%	0.00%	-1.28%	-1.28%
Growth	1,996	45.0%	45.0%	-1.0%	-0.3%	-0.01%	-0.29%	-0.30%
Credit	768	17.3%	17.0%	0.4%	2.6%	-0.02%	-0.37%	-0.39%
Real Assets & Inflation Hedges	571	12.9%	16.5%	-3.5%	0.0%	0.03%	-0.61%	-0.59%
Risk Reduction & Mitigation	1,098	24.8%	21.5%	-4.0%	-4.0%	0.00%	0.00%	0.00%
OPEB HL PM Cash	0	0.0%						

¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

² Total Value Add column includes Interaction Effect.

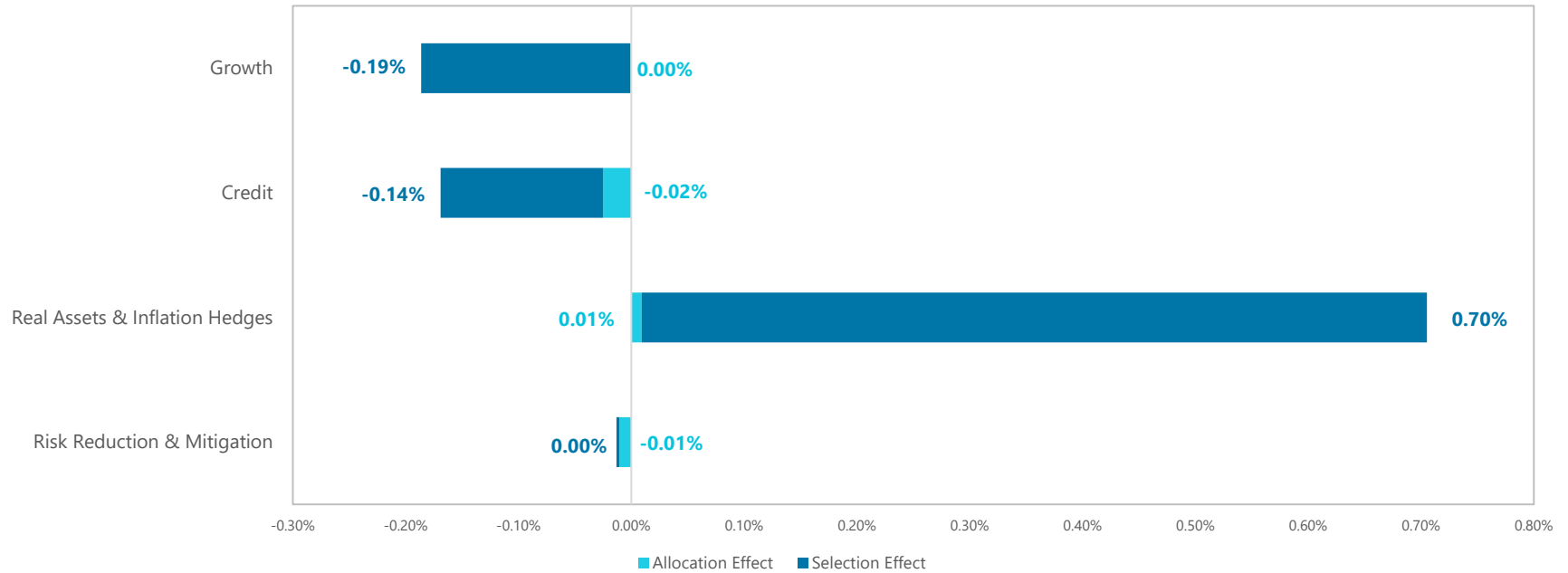
Return Attribution

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

FYTD Performance Attribution^{1,2}



	Ending Market Value (mm)	% of Master Trust	Policy Allocation	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Total Value Add
LACERA Master OPEB Trust Fund	4,433	100.0%	100.0%	4.4%	4.1%	-0.03%	0.36%	0.34%
Growth	1,996	45.0%	45.0%	5.6%	6.1%	0.00%	-0.19%	-0.19%
Credit	768	17.3%	17.0%	4.5%	5.5%	-0.02%	-0.14%	-0.17%
Real Assets & Inflation Hedges	571	12.9%	16.5%	5.0%	0.9%	0.01%	0.70%	0.71%
Risk Reduction & Mitigation	1,098	24.8%	21.5%	1.3%	1.3%	-0.01%	0.00%	-0.01%
OPEB HL PM Cash	0	0.0%						

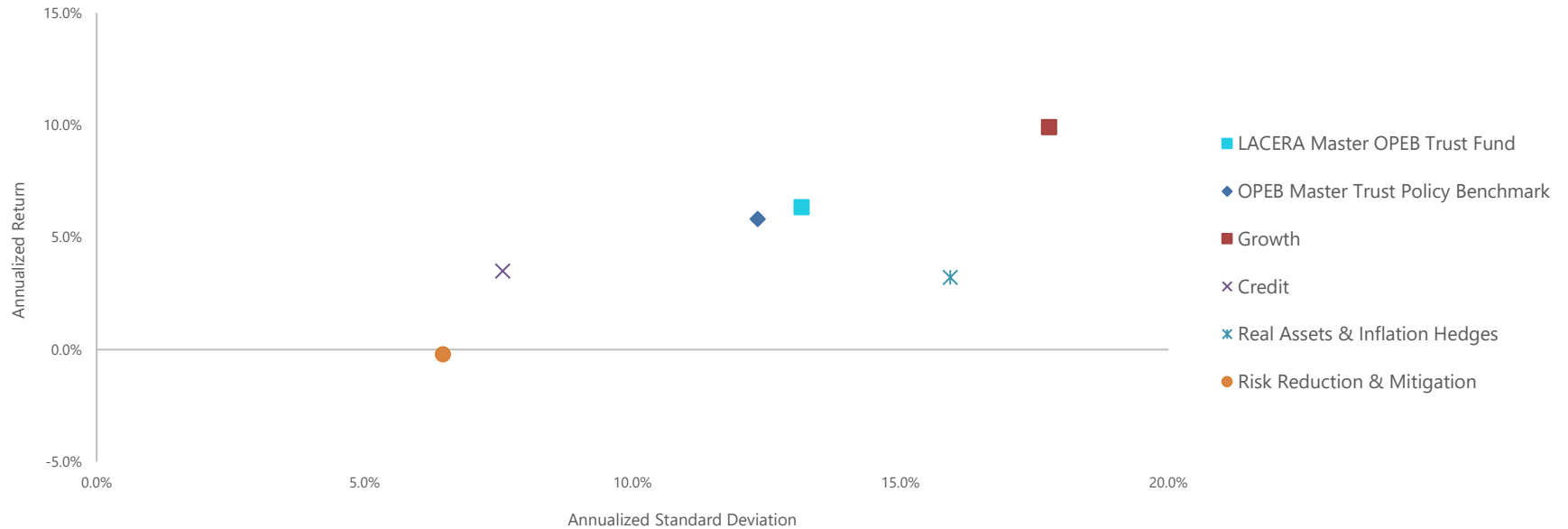
¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

² Total Value Add column includes Interaction Effect.

Risk vs. Return

for the quarter ended December 31, 2024

5 Year (Annualized)



	Annualized Return	Standard Deviation	Sharpe Ratio	Information Ratio	Tracking Error
LACERA Master OPEB Trust Fund	6.3%	13.2%	0.35	0.33	1.6%
OPEB Master Trust Policy Benchmark	5.8%	12.3%			
Growth	9.9%	17.8%	0.48	0.12	1.3%
Credit	3.5%	7.6%	0.17	-0.41	1.6%
Real Assets & Inflation Hedges	3.2%	15.9%	0.13	0.18	6.2%
Risk Reduction & Mitigation	-0.2%	6.5%	-0.38	0.61	0.7%

¹ LACERA Master OPEB Trust Fund composite excludes cash balances held in ownership funds.

Performance Detail

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Annualized Net Returns^{1,2}

	% of Total	Ending Market Value (mm)	Prior Quarter Ending MV (mm)	QTD	FYTD	YTD	1 Year	3 Year	5 Year	10 Year	ITD	Inception Date
OPEB Master Trust	100.0%	4,434	4,371	-1.8%	4.4%	9.5%	9.5%	2.4%	6.3%	7.4%	6.7%	Feb-2013
OPEB Master Trust Policy Benchmark				-0.5%	4.1%	9.5%	9.5%	1.8%	5.8%	6.4%	5.8%	
Excess Return (vs. OPEB Master Trust Policy Benchmark)				-1.2%	0.3%	0.0%	0.0%	0.6%	0.5%	1.0%	0.9%	
Sub-Trusts												
LACERA	0.5%	24	24	-1.8%	4.3%	9.5%	9.5%	2.3%	6.2%	6.9%	6.3%	Feb-2013
Los Angeles County	97.5%	4,321	4,257	-1.8%	4.4%	9.6%	9.6%	2.4%	6.3%	6.9%	6.3%	Feb-2013
Superior Court	2.0%	89	91	-1.8%	4.3%	9.5%	9.5%	2.4%	6.2%	--	7.5%	Jul-2016
OPEB Growth	45.0%	1,996	1,999	-1.0%	5.6%	16.7%	16.7%	5.1%	9.9%	--	11.1%	Jul-2016
Excess Return (vs. OPEB Growth Policy Benchmark)				-0.7%	-0.5%	-1.6%	-1.6%	0.1%	0.2%	--	0.2%	
OPEB BLK Global Equities	44.4%	1,970	1,980	-1.1%	5.6%	16.6%	16.6%	5.1%	9.9%	9.3%	8.8%	Mar-2014
Excess Return (vs. OPEB Growth Policy Benchmark)				-0.8%	-0.5%	-1.6%	-1.6%	0.0%	0.1%	--	--	
Excess Return (vs. MSCI ACWI IMI Net)				0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	
OPEB HL Private Equity	0.6%	26	18	6.9%	6.9%	16.1%	16.1%	--	--	--	NM	Sep-2023
Excess Return (vs. OPEB Growth Policy Benchmark)				7.2%	0.8%	-2.1%	-2.1%	--	--	--	--	
Excess Return (vs. OPEB Private Equity Policy Benchmark)				-0.5%	-3.6%	-17.4%	-17.4%	--	--	--	--	
OPEB Credit	17.3%	768	739	0.4%	4.5%	6.7%	6.7%	4.2%	3.5%	--	4.1%	Jul-2018
Excess Return (vs. OPEB Credit Policy Benchmark)				-2.3%	-0.9%	-3.0%	-3.0%	-0.4%	-0.6%	--	-0.5%	
OPEB BLK Bank Loans	8.8%	390	331	1.9%	3.9%	8.1%	8.1%	6.6%	5.3%	--	5.1%	Jul-2018
Excess Return (vs. OPEB Credit Policy Benchmark)				-0.7%	-1.6%	-1.6%	-1.6%	2.0%	1.1%	--	2.1%	
Excess Return (vs. OPEB Bank Loans Custom Benchmark)				-0.4%	-0.6%	-0.9%	-0.9%	-0.2%	-0.5%	--	-0.4%	
OPEB BLK EM Debt CTF	0.0%	0	93	--	--	--	--	--	--	--	--	Jul-2018
Excess Return (vs. OPEB Credit Policy Benchmark)				--	--	--	--	--	--	--	--	
Excess Return (vs. JPM GBI-EM Global Diversified Index)				--	--	--	--	--	--	--	--	
OPEB BLK High Yield Bonds	8.0%	356	303	0.1%	5.3%	7.9%	7.9%	2.6%	3.7%	--	4.6%	Jul-2018
Excess Return (vs. OPEB Credit Policy Benchmark)				-2.6%	-0.1%	-1.9%	-1.9%	-2.0%	-0.5%	--	1.6%	
Excess Return (vs. BBG BARC US Corp HY Idx)				-0.1%	-0.2%	-0.3%	-0.3%	-0.3%	-0.5%	--	-0.4%	
OPEB HL Illiquid Credit	0.5%	22	13	3.4%	3.4%	5.0%	5.0%	--	--	--	NM	Dec-2023
Excess Return (vs. OPEB Credit Policy Benchmark)				0.8%	-2.0%	-4.8%	-4.8%	--	--	--	--	
Excess Return (vs. OPEB Illiquid Credit Custom Benchmark)				0.8%	-2.0%	-7.1%	-7.1%	--	--	--	--	
OPEB Real Assets & Inflation Hedges	12.9%	571	713	-3.5%	5.0%	5.7%	5.7%	-2.9%	3.2%	--	4.1%	Jul-2018
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-3.5%	4.0%	6.3%	6.3%	1.3%	1.1%	--	1.1%	
OPEB BLK Commodities CTF	0.0%	0	38	--	--	--	--	--	--	--	--	Jul-2018
Excess Return (vs. OPEB RA & IH Policy Benchmark)				--	--	--	--	--	--	--	--	
Excess Return (vs. Bloomberg Commodity Index Total Return)				--	--	--	--	--	--	--	--	
OPEB BLK TIPS	4.9%	216	216	-0.1%	3.3%	4.3%	4.3%	-1.6%	2.3%	--	2.9%	Jul-2018
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-0.1%	2.4%	4.8%	4.8%	2.6%	0.2%	--	-0.1%	
Excess Return (vs. OPEB TIPS Policy Benchmark)				0.0%	0.9%	1.2%	1.2%	0.3%	0.2%	--	0.2%	

¹ NM = not meaningful

² Annualized net return tables omit inception-to-date benchmark returns prior to the functional framework conversion.

Performance Detail

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Annualized Net Returns^{1,2}

	% of Total	Ending Market Value (mm)	Prior Quarter Ending MV (mm)	QTD	FYTD	YTD	1 Year	3 Year	5 Year	10 Year	ITD	Inception Date
OPEB HL Infrastructure	0.5%	21	11	8.3%	9.9%	7.8%	7.8%	--	--	--	NM	Sep-2023
Excess Return (vs. OPEB RA & IH Policy Benchmark)				8.2%	8.9%	8.4%	8.4%	--	--	--	--	
Excess Return (vs. OPEB Infrastructure Policy Benchmark)				-5.1%	-3.1%	-5.5%	-5.5%	--	--	--	--	
OPEB HL Natural Resources	0.3%	12	5	-4.9%	-1.0%	-5.9%	-5.9%	--	--	--	NM	Sep-2023
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-4.9%	-1.9%	-5.4%	-5.4%	--	--	--	--	
Excess Return (vs. S&P GLOBAL NATURAL RESOURCES INDEX)				7.0%	7.9%	2.9%	2.9%	--	--	--	--	
OPEB Real Estate	7.3%	322	443	-5.8%	8.7%	7.9%	7.9%	-3.0%	3.4%	--	4.9%	Jul-2018
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-5.8%	7.8%	8.5%	8.5%	1.2%	1.3%	--	1.8%	
Excess Return (vs. OPEB Real Estate Policy Benchmark)				-5.8%	9.4%	14.2%	14.2%	7.8%	5.1%	--	3.9%	
OPEB BLK REITS	7.0%	310	440	-5.9%	8.7%	7.9%	7.9%	-3.0%	3.4%	--	4.9%	Jul-2018
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-6.0%	7.7%	8.5%	8.5%	1.1%	1.2%	--	1.8%	
Excess Return (vs. DJ US SELECT REAL ESTATE SECURITIES)				0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	--	-0.1%	
OPEB HL Private Real Estate	0.3%	13	2	-0.5%	-0.5%	--	--	--	--	--	NM	Feb-2024
Excess Return (vs. OPEB RA & IH Policy Benchmark)				-0.5%	-1.4%	--	--	--	--	--	--	
Excess Return (vs. Core Private RE Policy Benchmark)				-0.5%	0.2%	--	--	--	--	--	--	
OPEB Risk Reduction & Mitigation	24.8%	1,098	919	-4.0%	1.3%	0.0%	0.0%	-2.0%	-0.2%	--	1.2%	Jul-2016
Excess Return (vs. OPEB RR & M Policy Benchmark)				0.0%	0.1%	0.3%	0.3%	0.7%	0.4%	--	0.4%	
OPEB BLK IG Bonds	18.3%	812	706	-3.1%	2.1%	1.5%	1.5%	-2.3%	-0.3%	--	1.4%	Jul-2018
Excess Return (vs. OPEB RR & M Policy Benchmark)				0.9%	0.8%	1.8%	1.8%	0.4%	0.4%	--	--	
Excess Return (vs. BBG BARC Agg)				0.0%	0.1%	0.2%	0.2%	0.1%	0.1%	--	0.1%	
OPEB BLK LTG Bonds	4.4%	197	153	-8.8%	-1.6%	-6.1%	-6.1%	--	--	--	-1.8%	Dec-2022
Excess Return (vs. OPEB RR & M Policy Benchmark)				-4.8%	-2.9%	-5.8%	-5.8%	--	--	--	--	
Excess Return (vs. Bloomberg U.S. Treasury: Long)				-0.2%	-0.1%	0.3%	0.3%	--	--	--	0.2%	
OPEB Cash	2.0%	89	60	3.4%	5.3%	10.1%	10.1%	5.9%	3.7%	2.6%	2.3%	Feb-2013
Excess Return (vs. OPEB RR & M Policy Benchmark)				7.4%	4.1%	10.4%	10.4%	8.5%	4.4%	--	--	
Excess Return (vs. OPEB Cash Policy Benchmark)				2.2%	2.7%	4.6%	4.6%	1.8%	1.1%	0.8%	0.7%	
OPEB HL PM Cash	0.0%	0	0									

¹ NM = not meaningful

² Annualized net return tables omit inception-to-date benchmark returns prior to the functional framework conversion.

risk

Risk Summary

for the quarter ended December 31, 2024

Realized Risks

\$4.4B	OPEB TRUST 1Y Realized Return	9.5%
	OPEB TRUST Value at Risk	BENCHMARK Value at Risk
13.3%	12.8%	

OPEB Master Trust

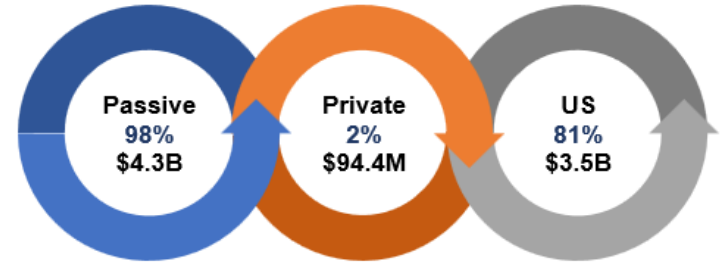
Value at Risk (VaR)

With 95% confidence, LACERA would not lose more than \$576M in 1Y.

versus

With 95% confidence, Benchmark would not lose more than \$556M in 1Y.

Exposures (%)

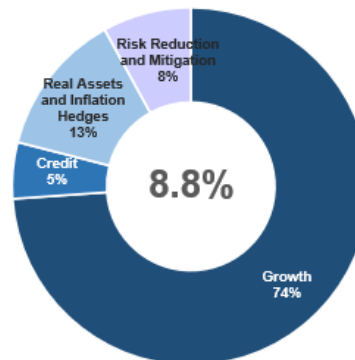


Market Values (\$)

Projected Risks

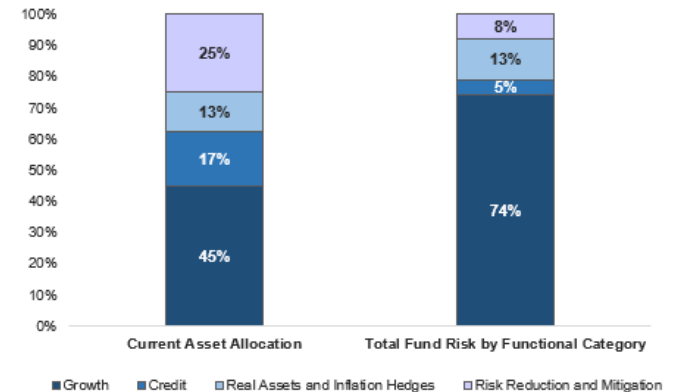
OPEB Trust 1Y Forecast Volatility	Benchmark 1Y Forecast Volatility
8.8%	8.7%
OPEB Trust Forecast Active Risk	Allocation Risk
1.12%	0.28%
	Selection Risk
	0.84%

Functional Category Contributions to OPEB Trust Risk



OPEB Master Trust Asset Allocation

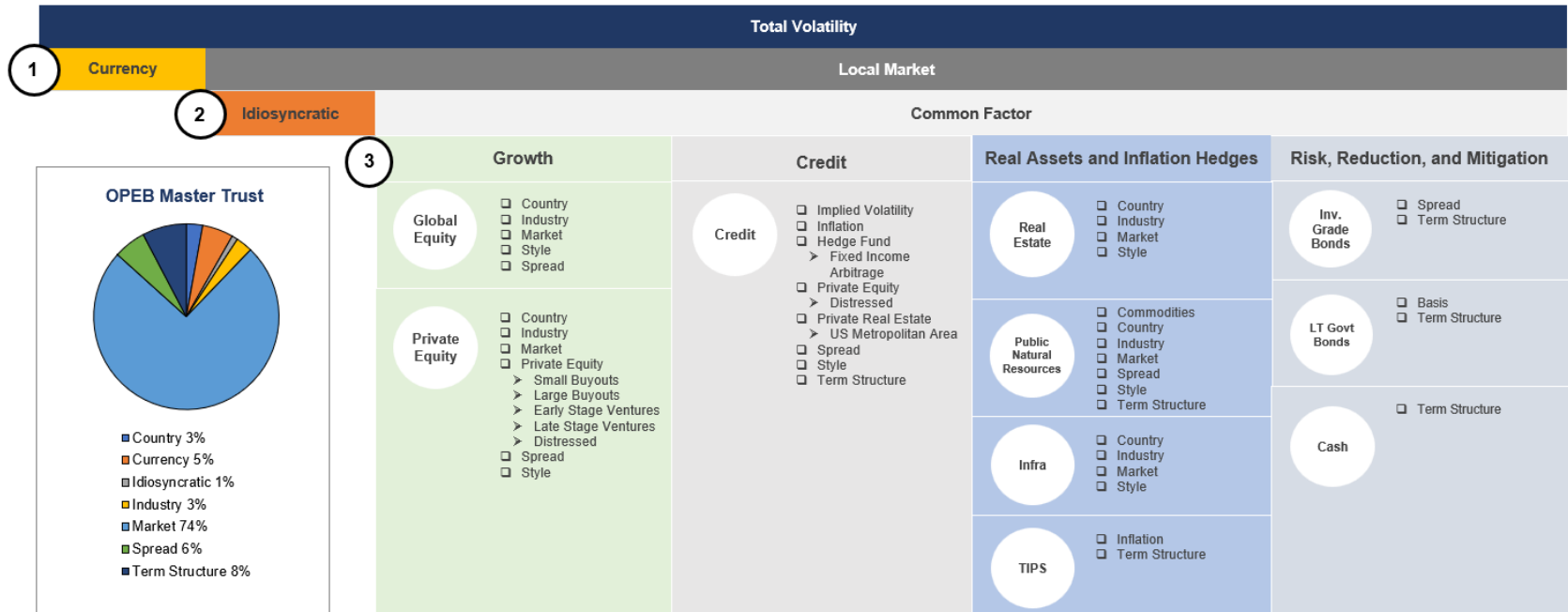
Capital-based versus Risk-based



Risk Summary

for the quarter ended December 31, 2024

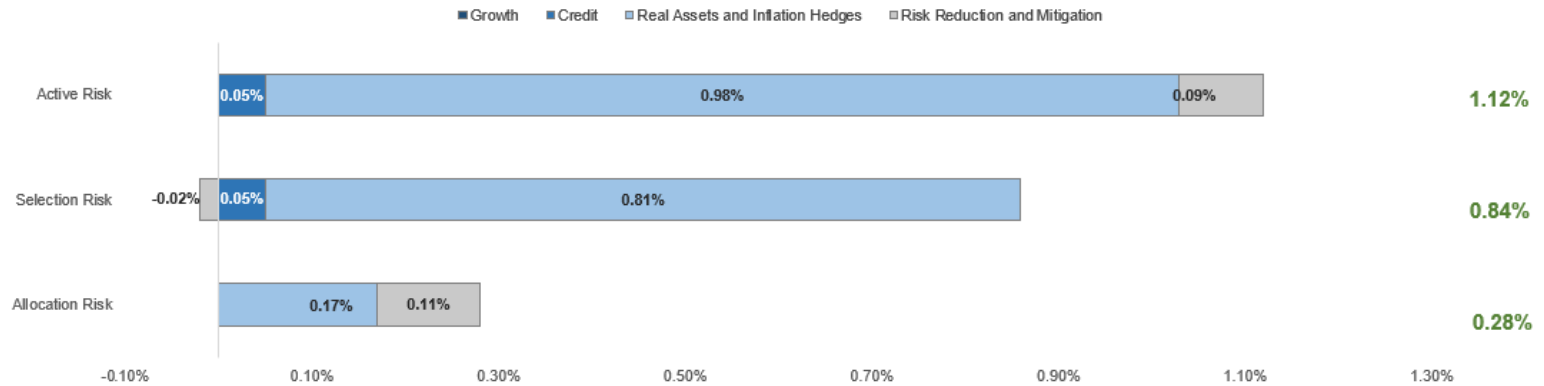
Decomposition of MSCI Risk Factors



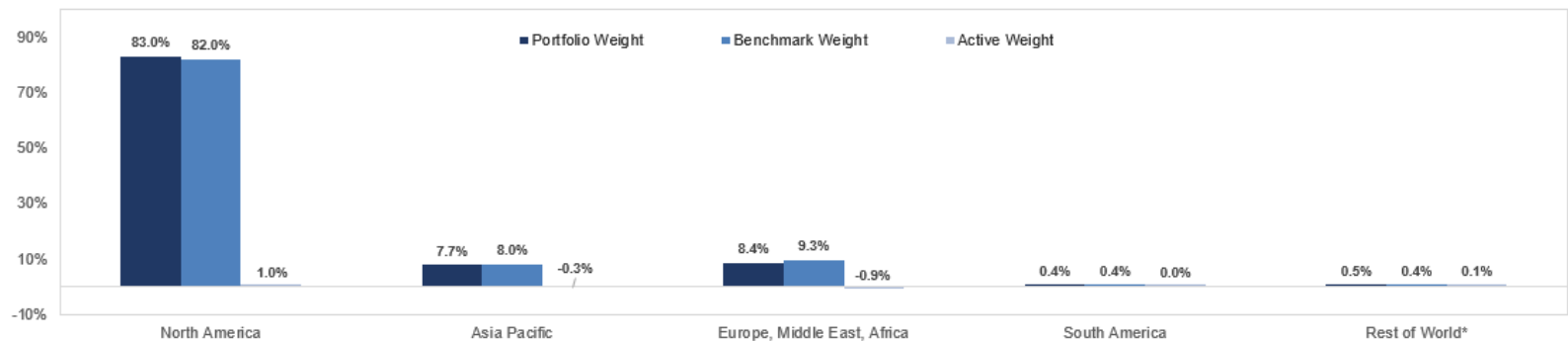
Risk Summary

for the quarter ended December 31, 2024

Functional Category Contributions to Active Risk



Portfolio Allocation by Region¹

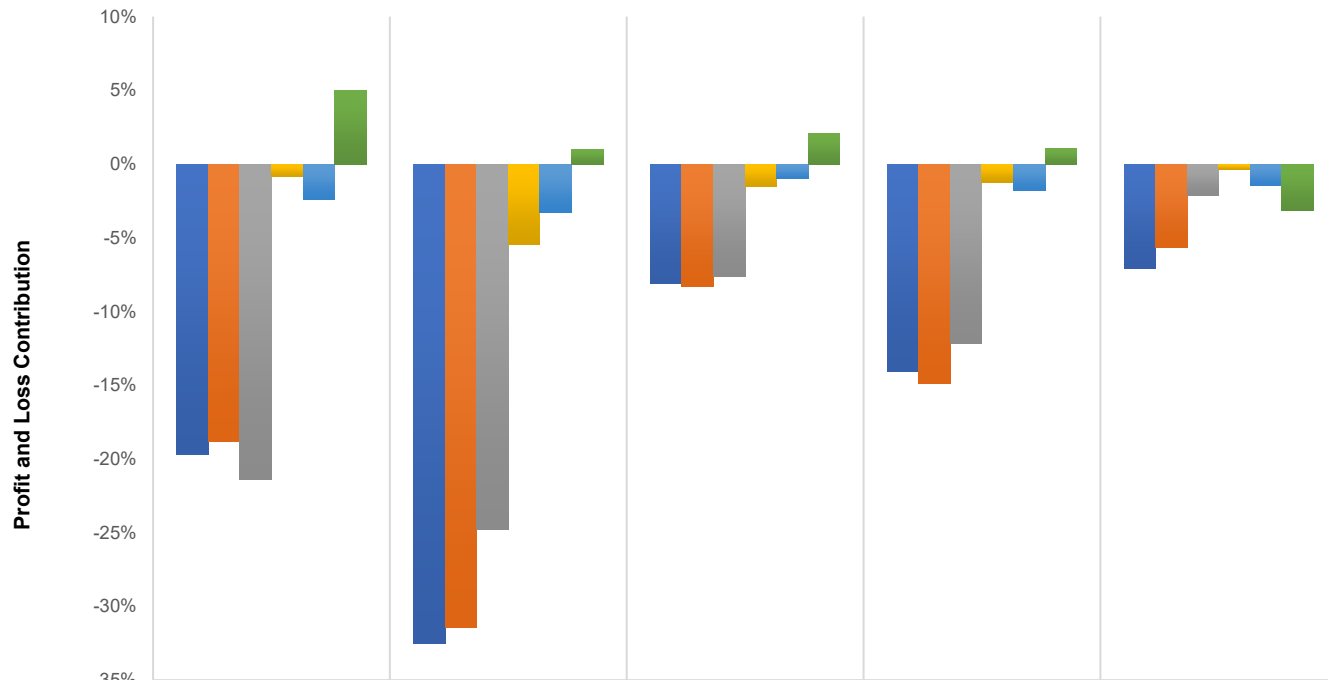


* Rest of World is sum of countries with weights below 0.5%.

Stress Tests

for the quarter ended December 31, 2024

Scenarios by Asset Category



	2000-2003 Tech Crash & Recession	2007-2009 Subprime and Credit Crisis	2011 US Debt Ceiling Act	2020 COVID March Selloff	Jan 2025 Structurally Higher Inflation Scenario
■ Total Fund	-19.67%	-32.50%	-8.11%	-14.09%	-7.07%
■ TF Benchmark	-18.83%	-31.42%	-8.27%	-14.91%	-5.69%
■ Growth	-21.38%	-24.77%	-7.63%	-12.14%	-2.11%
■ Credit	-0.86%	-5.46%	-1.54%	-1.23%	-0.34%
■ Real Assets & Inflation Hedges	-2.39%	-3.30%	-0.99%	-1.77%	-1.44%
■ Risk Reduction & Mitigation	4.96%	1.02%	2.04%	1.05%	-3.18%

manager pages

Growth – Global Equity

BlackRock MSCI ACWI IMI

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

Seeks to provide global equity market exposure and passive index returns. This strategy may be suited to investors looking to gain passive, global equity exposures with low tracking error.

Inception Date: June 2014

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
4	S	—	A	5

Performance

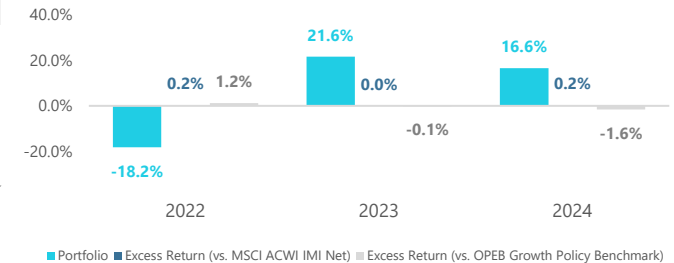
	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK Global Equities (Gross)	1,969.9	-1.1%	42	16.6%	32	5.1%	37	9.9%	33
Peer Universe Median		-1.6%		8.0%		3.8%		8.1%	
OPEB BLK Global Equities (Net)		-1.1%		16.6%		5.1%		9.9%	
Excess Return (vs. MSCI ACWI IMI Net)		0.2%		0.2%		0.2%		0.2%	
Excess Return (vs. OPEB Growth Policy Benchmark)		-0.8%		-1.6%		0.0%		0.1%	

Wilshire TUCS Peer Universe

Global Equity Funds

Number of observations

107

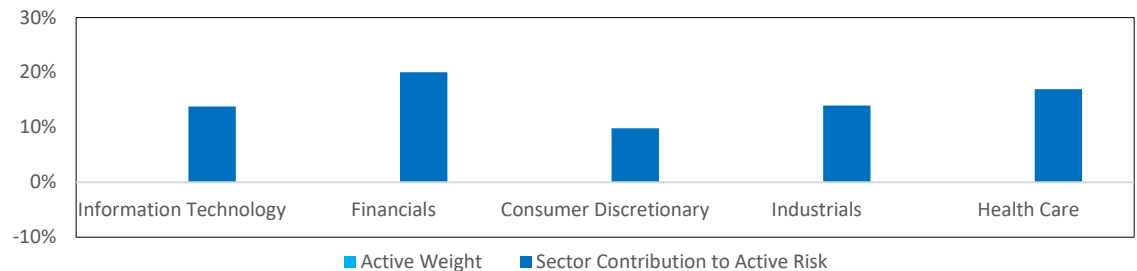


Risk

Risk Summary	Portfolio	Benchmark
Forecast Volatility	14.8%	14.8%
Forecast Active Risk	0.1%	
Beta	1.00	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	65.4%	65.5%	-0.1%
Japan	5.5%	5.4%	0.0%
United Kingdom	3.2%	3.2%	0.0%
Canada	2.8%	2.8%	0.0%
China	2.6%	2.6%	0.0%

Largest Sector Contributions to Active Risk by GICS Sector



Credit Bank Loans BlackRock

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

Seeks to preserve capital and provide income by outperforming the bank loan benchmark that tracks the investable market of the US dollar denominated leveraged loan market.

Inception Date: July 2018

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	3

Performance

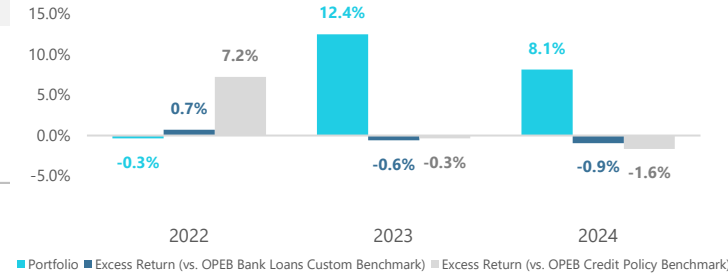
	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK Bank Loans (Gross)	389.5	2.0%	17	8.5%	20	6.7%	18	5.4%	20
Peer Universe Median		-0.5%		3.2%		0.3%		1.4%	
OPEB BLK Bank Loans (Net)		1.9%		8.1%		6.6%		5.3%	
Excess Return (vs. OPEB Bank Loans Custom Benchmark)		-0.4%		-0.9%		-0.2%		-0.5%	
Excess Return (vs. OPEB Credit Policy Benchmark)		-0.7%		-1.6%		2.0%		1.1%	

Wilshire TUCS Peer Universe

US Fixed Income Funds

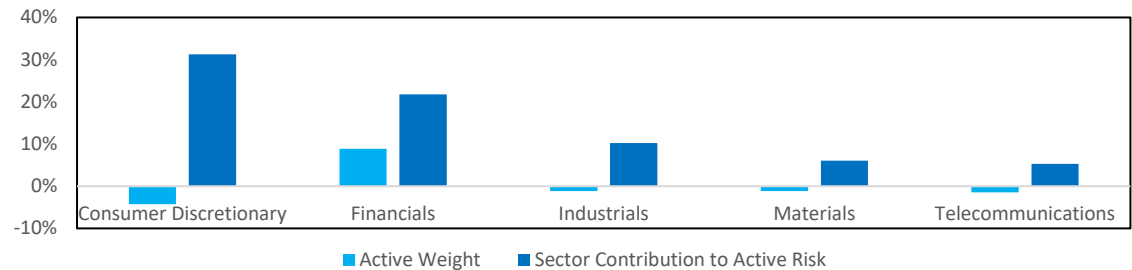
Number of observations

739



Risk

Largest Sector Contributions to Active Risk by Bond Sector



Risk Summary	Portfolio	Benchmark
Forecast Volatility	2.6%	3.4%
Forecast Active Risk	0.9%	
Beta	0.75	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	89.7%	89.8%	-0.1%
Canada	3.0%	2.7%	0.2%
United Kingdom	2.1%	1.5%	0.6%
Ireland	1.5%	1.0%	0.5%
Luxembourg	1.2%	1.8%	-0.7%

Credit High Yield BlackRock

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

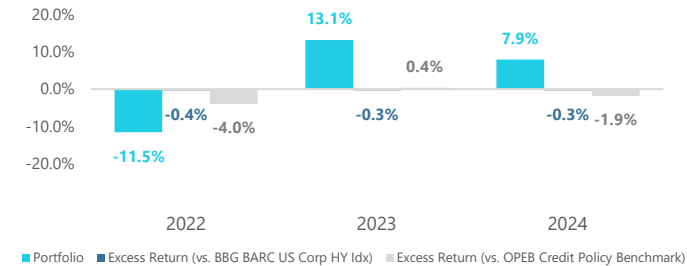
Tracks the Bloomberg US Corporate High Yield index, a broadly diversified portfolio, primarily composed of US dollar denominated high yield securities.

Inception Date: July 2018

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	5

Performance

	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK High Yield (Gross)	355.8	0.1%	36	8.0%	21	2.7%	34	3.8%	25
Peer Universe Median		-0.5%		3.2%		0.3%		1.4%	
OPEB BLK High Yield (Net)		0.1%		7.9%		2.6%		3.7%	
Excess Return (vs. BBG BARC US Corp HY Idx)		-0.1%		-0.3%		-0.3%		-0.5%	
Excess Return (vs. OPEB Credit Policy Benchmark)		-2.6%		-1.9%		-2.0%		-0.5%	



Wilshire TUCS Peer Universe

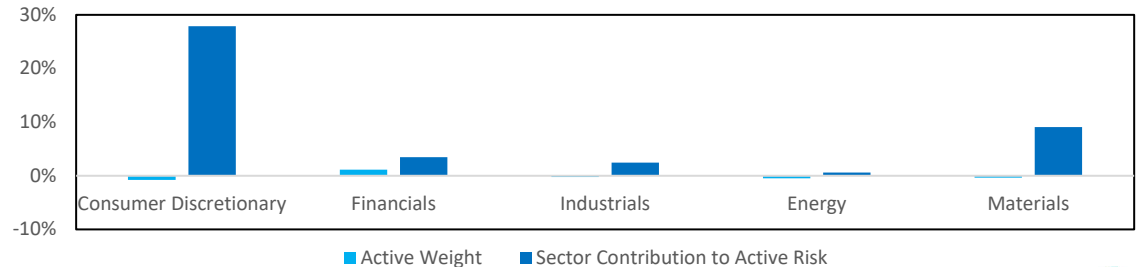
US Fixed Income Funds

Number of observations

739

Risk

Largest Sector Contributions to Active Risk by Bond Sector



Risk Summary	Portfolio	Benchmark
Forecast Volatility	4.7%	4.7%
Forecast Active Risk	0.1%	
Beta	1.00	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	84.3%	83.0%	1.4%
Canada	4.6%	4.7%	-0.1%
United Kingdom	2.2%	2.6%	-0.4%
Ireland	1.2%	1.3%	-0.1%
Luxembourg	1.1%	1.1%	0.0%

Real Assets & Inflation Hedges

REITs

BlackRock

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

Invests primarily in a portfolio of US securities with the objective of approximating the total rate of return of the REIT benchmark. The index is designed to track the performance of REITs and other companies that invest directly or indirectly in real estate through development, management, or ownership, including property agencies.

Inception Date: July 2018

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	5

Performance

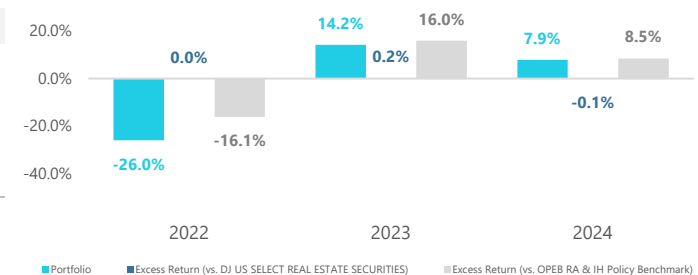
	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK REITS (Gross)	309.6	-5.9%	86	7.9%	26	-3.0%	68	3.4%	49
Peer Universe Median		0.2%		-0.9%		1.2%		2.7%	
OPEB BLK REITS (Net)		-5.9%		7.9%		-3.0%		3.4%	
Excess Return (vs. DJ US SELECT REAL ESTATE SECURITIES)		0.0%		-0.1%		0.0%		0.0%	
Excess Return (vs. OPEB RA & IH Policy Benchmark)		-6.0%		8.5%		1.1%		1.2%	

Wilshire TUCS Peer Universe

Real Estate Funds

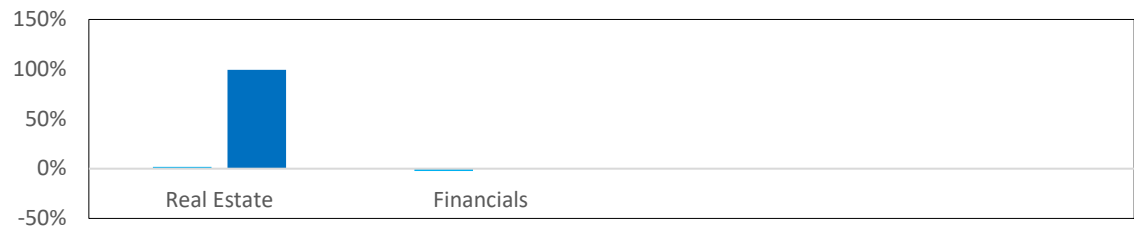
Number of observations

368



Risk

Largest Sector Contributions to Active Risk by GICS Sector



Risk Summary	Portfolio	Benchmark
Forecast Volatility	18.2%	18.0%
Forecast Active Risk	2.2%	
Beta	1.01	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	100%	100%	0%

Real Assets & Inflation Hedges

TIPS

BlackRock

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

Invests in inflation-protected public obligations of the US Treasury that have a remaining maturity greater than or equal to 1 year and less than 10 years.

Inception Date: July 2018

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	5

Performance

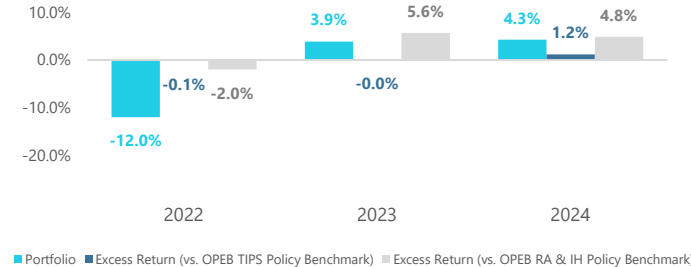
	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK TIPS (Gross)	215.8	-0.1%	47	4.3%	42	-1.6%	69	2.4%	35
Peer Universe Median		-0.5%		3.2%		0.3%		1.4%	
OPEB BLK TIPS (Net)		-0.1%		4.3%		-1.6%		2.3%	
Excess Return (vs. OPEB TIPS Policy Benchmark)		0.0%		1.2%		0.3%		0.2%	
Excess Return (vs. OPEB RA & IH Policy Benchmark)		-0.1%		4.8%		2.6%		0.2%	

Wilshire TUCS Peer Universe

US Fixed Income Funds

Number of observations

739

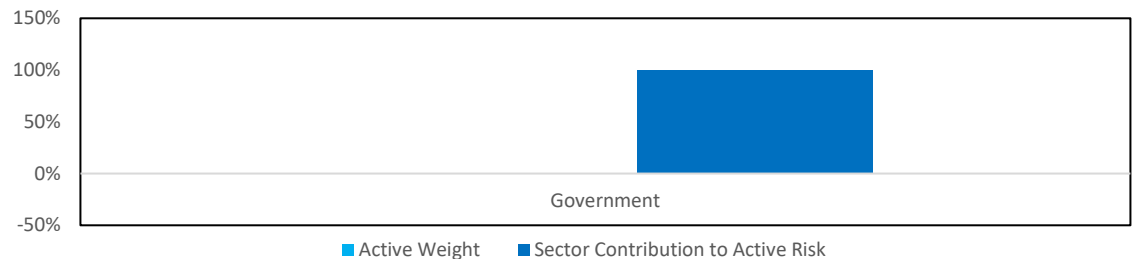


Risk

Largest Sector Contributions to Active Risk by Bond Sector

Risk Summary	Portfolio	Benchmark
Forecast Volatility	2.6%	6.1%
Forecast Active Risk	3.9%	
Beta	0.38	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	100%	100%	0%



Risk Reduction & Mitigation

Investment Grade Bonds

BlackRock

for the quarter ended December 31, 2024

Strategy

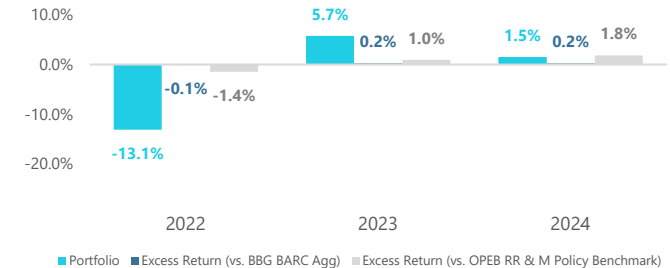
Tracks the Bloomberg US Aggregate Bond index, a broad, market capitalization-weighted bond market index representing investment grade bonds traded in the US.

Inception Date: July 2018

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	5

Performance

	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK IG Bonds (Gross)	812.5	-3.1%	79	1.5%	69	-2.3%	80	-0.2%	83
Peer Universe Median		-0.5%		3.2%		0.3%		1.4%	
OPEB BLK IG Bonds (Net)		-3.1%		1.5%		-2.3%		-0.3%	
Excess Return (vs. BBG BARC Agg)		0.0%		0.2%		0.1%		0.1%	
Excess Return (vs. OPEB RR & M Policy Benchmark)		0.9%		1.8%		0.4%		0.4%	



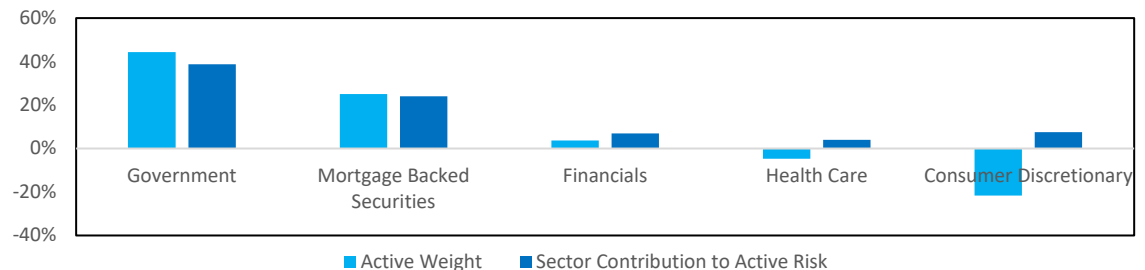
Wilshire TUCS Peer Universe
US Fixed Income Funds
Number of observations: 739

Risk

Largest Sector Contributions to Active Risk by Bond Sector

Risk Summary	Portfolio	Benchmark
Forecast Volatility	6.2%	4.7%
Forecast Active Risk	4.7%	
Beta	0.85	

Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	92.9%	83.0%	9.9%
United Kingdom	1.3%	2.6%	-1.4%
Canada	1.2%	4.7%	-3.6%
Japan	0.7%	0.4%	0.2%
Germany	0.3%	0.4%	-0.1%



Risk Reduction & Mitigation

Long-Term Government Bonds

BlackRock

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Strategy

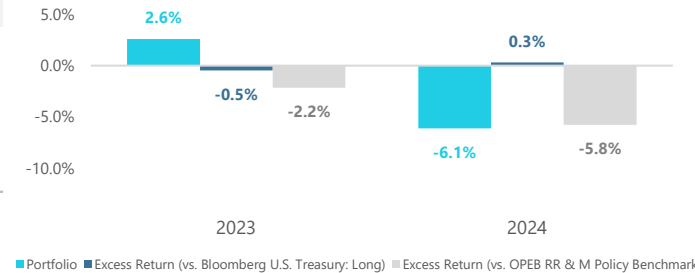
Seeks to approximate the return of US dollar-denominated, fixed rate, nominal debt issued by the US Treasury with a maturity greater than 10 years.

Inception Date: December 2022

Manager Scorecard Profile				
Performance	Organization & Operations	ESG	Partnership	Fees & Terms
1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)
3	S	—	A	5

Performance

	Market Value	QTD	Rank	1 Year	Rank	3 Year	Rank	5 Year	Rank
OPEB BLK LTG Bonds (Gross)	197.1	-8.8%	97	-6.1%	92	--	--	--	--
Peer Universe Median		-0.5%		3.2%		--	--	--	--
OPEB BLK LTG Bonds (Net)		-8.8%		-6.1%		--	--	--	--
Excess Return (vs. Bloomberg U.S. Treasury: Long)		-0.2%		0.3%		--	--	--	--
Excess Return (vs. OPEB RR & M Policy Benchmark)		-4.8%		-5.8%		--	--	--	--



Wilshire TUCS Peer Universe

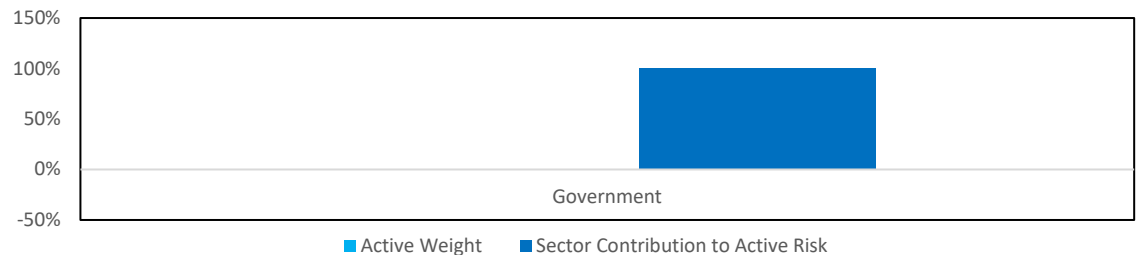
US Fixed Income Funds

Number of observations

739

Risk

Largest Sector Contributions to Active Risk by Bond Sector



Risk Summary	Portfolio	Benchmark
Forecast Volatility	13.7%	13.7%
Forecast Active Risk	0.0%	
Beta	1.00	

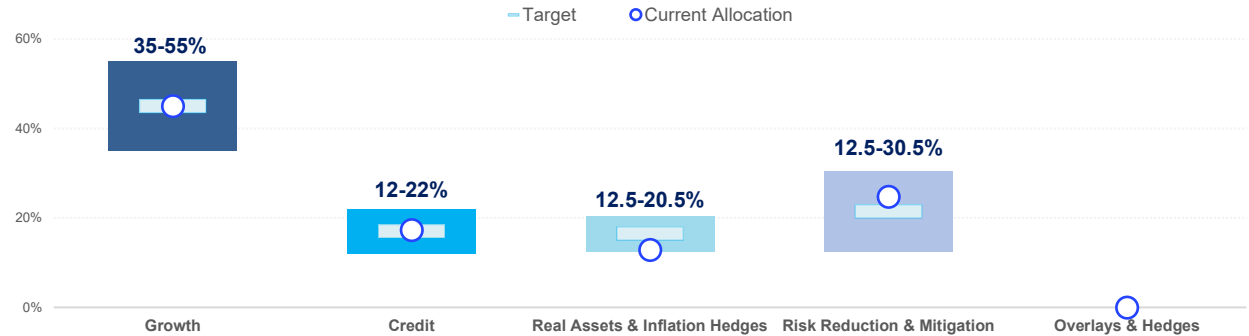
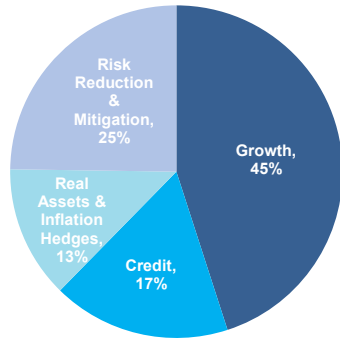
Top Countries by Weight	Portfolio Weight	Benchmark Weight	Active Weight
United States	100%	100%	0%

compliance monitor

Compliance Monitor

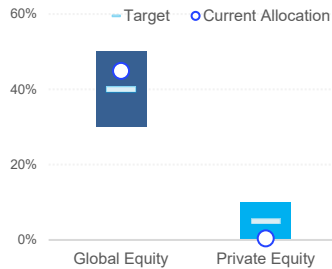
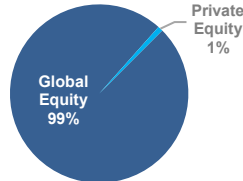
for the quarter ended December 31, 2024

OPEB Master Trust Asset Allocation, Policy Ranges, and Targets¹

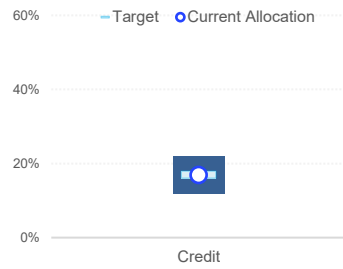


Q4 2024 Compliance Overview by Functional and Sub-asset Category

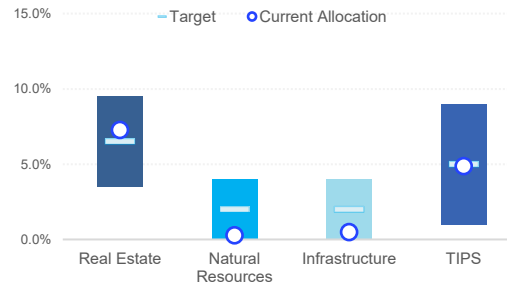
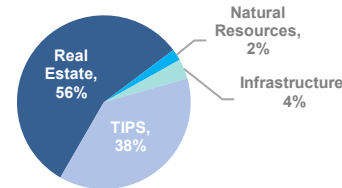
Growth
3 Advisories
0 Exceptions



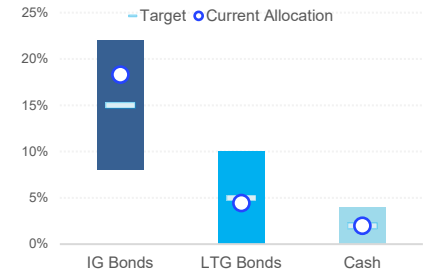
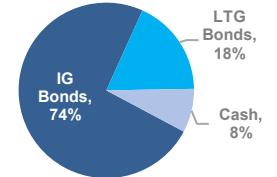
Credit
1 Advisory
0 Exceptions



Real Assets & Inflation Hedges
0 Advisories
1 Exception



Risk Reduction & Mitigation
2 Advisories
0 Exceptions



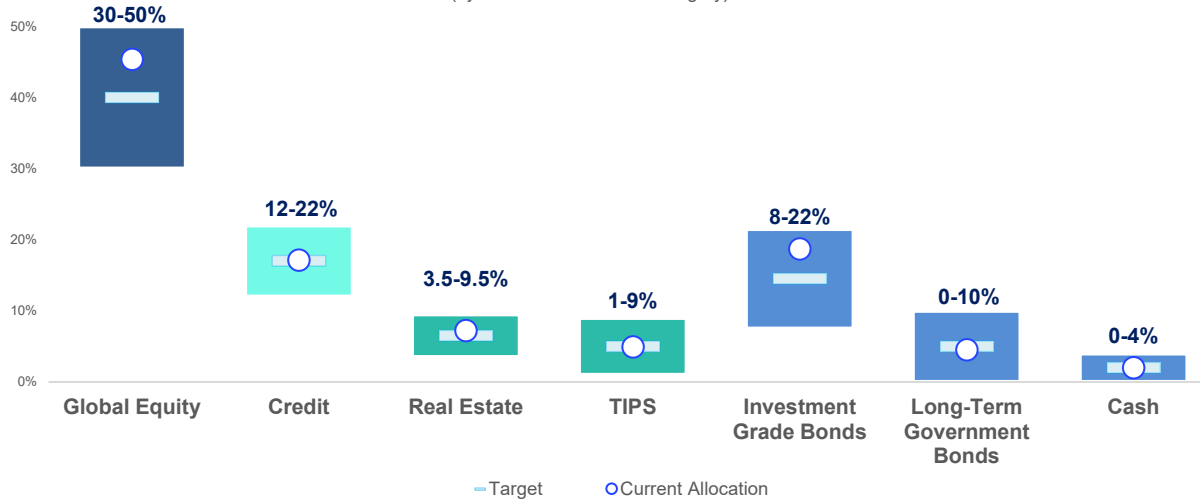
¹ Targets and policy ranges reflect interim strategic asset allocation weights.

Compliance Monitor

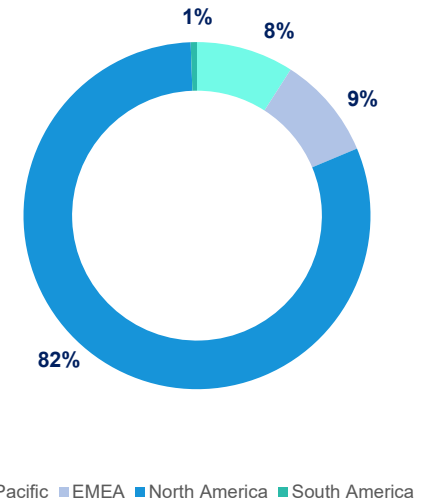
for the quarter ended December 31, 2024

OPEB Master Trust – Public Markets

OPEB Master Trust Public Market Allocation¹
(by functional sub-asset category)



Region Exposure



Q4 2024 Compliance Review Status

Advisories Reviewed?	Count	Exceptions Y/N?	Count	Notes
✓	—	N	—	Asset Allocation Compliance
✓	—	N	—	Investment Manager Compliance
✓	3	N	—	Economic Substitution (Iran, Sudan, Tobacco)
✓	—	N	—	Restricted Investments (Los Angeles County, District and Agency)

Advisory 1: 14 Iran issuers totaling 7.1 million in market value (8 issuers in Global Equity, 6 issuers in Investment-Grade Bonds).
 Advisory 2: 2 Sudan issuers totaling 795.8 thousand in market value in Global Equity.
 Advisory 3: 14 Tobacco issuers totalling 11.7 million in market value (9 issuers in Global Equity, 1 issuers in High Yield Bonds, 4 in Investment Grade Bonds).

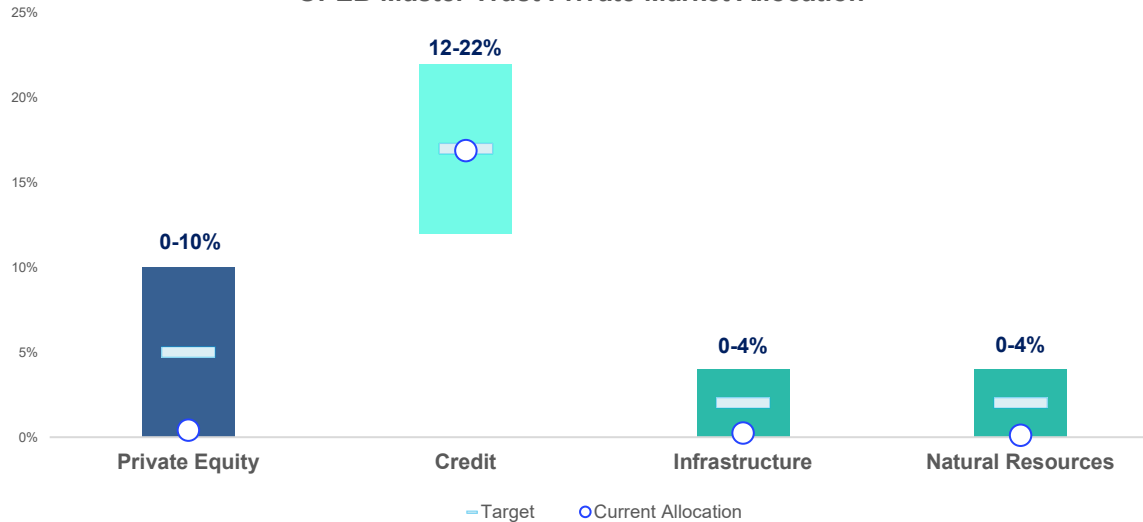
¹ Total Real Estate (including public and private) is shown, representing updated Board-approved strategic asset allocation ranges.

Compliance Monitor

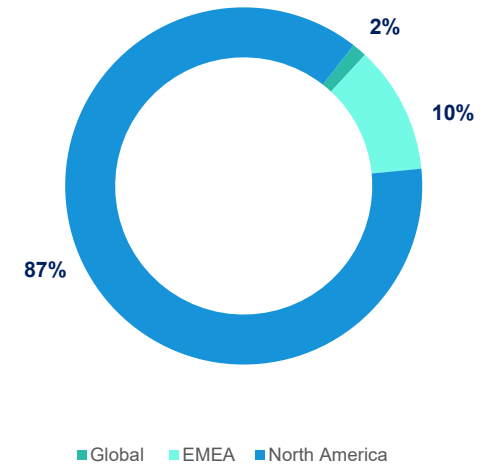
for the quarter ended December 31, 2024

OPEB Master Trust – Private Markets

OPEB Master Trust Private Market Allocation



Region Exposure



Q3 2024 Compliance Review Status

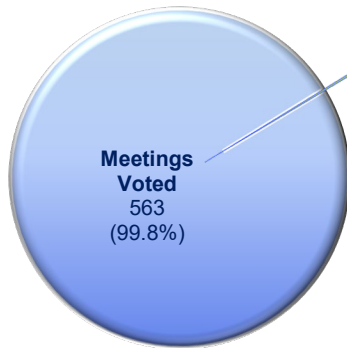
Advisories Reviewed?	Count	Exceptions Y/N?	Count	Notes
✓	—	N	—	Asset Allocation Compliance
✓	—	N	—	Program Guideline Compliance
✓	—	Y	1	Manager Concentration Exception 1: Private markets advisor manager concentration was above the 50% investment guideline limit by 12%. Allocations fell outside of defined ranges in early stages of capital deployment as the program develops.
✓	—	N	—	Investment Manager Compliance
✓	—	N	—	Restricted Investments (Privatization)
✓	—	N	—	Strategy

Compliance Monitor

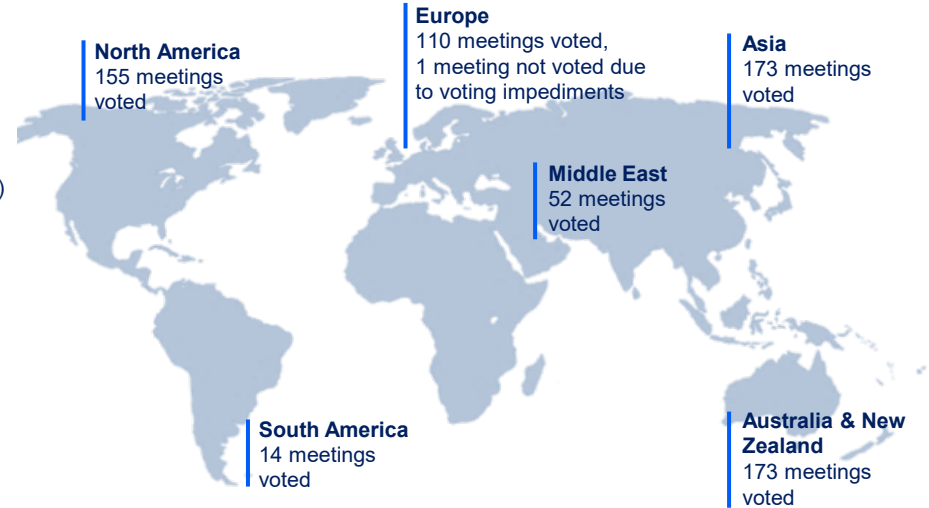
for the quarter ended December 31, 2024

Special Programs and Investment Operations

Proxy Voting

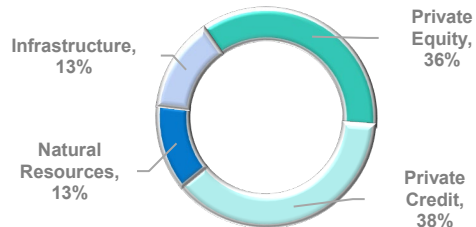


Meetings Not Voted
(due to voting impediments)
1
(0.2%)



OPEB Private Market Program

YTD Commitments by Asset Class (as of December 31, 2024)



Paid Tax Reclaims

\$17,247
YTD Total

Pending Tax Reclaims

\$513,076
YTD Total

Special Projects



Strategic Asset Allocation Implementation

In Progress



Annual Contract Compliance

Complete



Fee Reconciliation Project

Complete



Investment Manager Meeting Requests

No Advisory Noted

Compliance Monitor

for the quarter ended December 31, 2024



Los Angeles County Employees Retirement Association

Reference Guide

General Information

Overview and Purpose: This report is delivered to the Board of Investments every quarter as a means of oversight; ensuring that asset category and investment manager activity align with established guidelines. It is a tool to monitor adherence, ensure transparency, and facilitate communication of investment and operational activities.

Methodology

- Data collected from multiple sources including: LACERA's custodian, MSCI BarraOne Risk platform, Investment Consultant and Manager reports.
- Analysis period for private market allocations may exhibit a lag and is reported based on best available data.
- Region Exposure graphs based on country of domicile.

Terms

- "Advisory" is a monitoring measure and does not equate to a compliance exception.
- "Exception" refers to instances where investment activity falls outside of predefined guidelines, prompting a need for further review.
- "Asset Allocation Compliance" measures actual asset allocation versus investment policy target weights and ranges.
- "Program Guideline Compliance" assesses asset category level guidelines.
- "Investment Guideline Compliance" measures investment manager guideline compliance as established in investment manager agreements.
- "Economic Substitution Policy" LACERA policy on Iran, Sudan, Tobacco: Manager should refrain from purchasing securities when the same investment goals concerning risk, return, and and diversification can be achieved through the purchase of another security.
- For Investment Manager Meeting Requests, an "Advisory" is noted if the CEO or a Board member recommends staff to meet with a specific manager three or more times in a year.
The purpose of notifying the activity is to promote transparency and governance best practices designed to preserve the integrity of the decision-making process.

manager scorecard

OPEB TRUST MANAGER SCORECARD

4th Quarter 2024

		Performance	Organization & Operations	ESG	Partnership	Fees & Terms		
		1 to 5 (with 5 the best)	S+, S, or S- (with S+ the best)	1 to 5 (with 5 the best)	A, B, or C (with A the best)	1 to 5 (with 5 the best)		
		SCORE	SCORE	SCORE	SCORE	SCORE		
Manager	Market Value (in \$ millions)	% of Trust						
PUBLIC MARKETS	BLACKROCK							
	Bank Loans SMA	389.5	8.9%	3	S	—	A	3
	Global Equities SMA	1,969.9	45.1%	4	S	—	A	5
	High Yield SMA	355.8	8.1%	3	S	—	A	5
	Investment Grade Bonds SMA	812.5	18.6%	3	S	—	A	5
	Long-Term Government Bonds SMA	197.1	4.5%	* 3	S	—	A	5
	REITs SMA	309.6	7.1%	3	S	—	A	5
	TIPS SMA	215.8	4.9%	3	S	—	A	5
PRIVATE MARKETS	STATE STREET GLOBAL ADVISORS							
	Enhanced Cash SMA	84.8	1.9%	4	S	—	B	5
PRIVATE MARKETS	HAMILTON LANE							
	HL PM Program	94.4	2.2%	* 3	S	+	B	3

	Exceeds 3-Year Net Excess Return
	Meets 3-Year Net Excess Return
	Below 3-Year Net Excess Return

For Organization, ESG, and Partnership	
	Downgrade from the prior quarter
	Upgrade from the prior quarter

Footnotes

Pillar methodologies in refinement and may evolve over time

Category Descriptions

Performance

Quarterly score based on a manager's performance relative to its benchmark
 *' denotes a manager with an inception date of less than 3 years, resulting in a neutral score of 3
 Circle icons reflect trailing 3-year net excess returns against the manager's benchmark above or below a specified range

Organization & Operations

Includes factors such as organization, professional staff, diversity & inclusion, investment philosophy & process, risk management, legal & compliance framework
 'S' stands for Satisfactory

ESG

Evaluates the extent to which material ESG factors are identified, assessed, and incorporated into risk/return analysis and portfolio construction
 '—' denotes passive index funds and cash where ESG scores are not relevant and/or reflect strategies that do not incorporate active decisions, including ESG considerations, in portfolio construction
 '+' denotes mandates where ESG scores are currently under review

Partnership

Blended score based on:
 - Value added services – e.g., providing education, distributing research, and performing analytics on portfolio
 - Client service – e.g., responsiveness, timeliness, competency, and approach
 - Size of LACERA's investment relative to the firm's assets under management

Fees & Terms

Compared to a benchmark of median fees by asset category and/or investment structure

appendix

Benchmark Definitions

Current Composition

	Weight	Component
OPEB Master Trust		
OPEB Master Trust Policy Benchmark		
	45%	OPEB Growth Policy Benchmark
	17%	OPEB Credit Policy Benchmark
	17%	OPEB RA & IH Policy Benchmark
	22%	OPEB RR & M Policy Benchmark
Growth		
OPEB Growth Policy Benchmark		
	89%	MSCI ACWI IMI Net
	11%	OPEB Private Equity Policy Benchmark
OPEB Private Equity Policy Benchmark		
	100%	MSCI ACWI IMI Net + 200 bps (3-month lagged)
Credit		
OPEB Credit Policy Benchmark		
	70%	Credit Suisse Leveraged Loans Index
	30%	Bloomberg US Corporate High Yield Index + 100 bps (1-month lagged)
OPEB Bank Loans Custom Benchmark		
	100%	CS Leveraged Loan Index
OPEB Illiquid Credit Custom Benchmark		
	70%	Credit Suisse Leveraged Loans Index
	30%	Bloomberg US Corporate High Yield Index + 100 bps (1-month lagged)

Benchmark Definitions

Current Composition

	Weight	Component
Real Assets & Inflation Hedges		
OPEB RA & IH Policy Benchmark		
	39%	OPEB Real Estate Policy Benchmark
	12%	S&P Global Natural Resources Index
	6%	Bloomberg Commodity Index Total Return
	12%	DJ Brookfield Global Infra Comp
	30%	Bloomberg U.S. Treasury: U.S. TIPS
OPEB Real Estate Policy Benchmark		
	100%	NFI ODCE Net (3-month lagged)
OPEB Infrastructure Policy Benchmark		
	100%	DJ Brookfield Global Infrastructure Composite (3-month lagged)
OPEB TIPS Policy Benchmark		
	100%	Bloomberg US TIPS (0-5YRS) Index
Risk Reduction & Mitigation		
OPEB RR & M Policy Benchmark		
	67%	Bloomberg U.S. Aggregate
	23%	Bloomberg U.S. Treasury: Long
	9%	OPEB Cash Policy Benchmark
OPEB Cash Policy Benchmark		
	100%	FTSE 3-Month US Treasury Bill

A

ANNUAL RETURN

The total return of a security over a specified period, expressed as an annual rate of interest.

ACTIVE RISK

The expected standard deviation of the differential return between the portfolio and the benchmark. Active total risk arises from active management, and it is the result of active weights (deviations from the benchmark at the asset level) and therefore active exposures; for passively managed portfolios, it is referred to as “total tracking error.”

ACTIVE RISK CONTRIBUTION

Percent contribution to active total risk (or tracking error). The percent of active total risk that an individual asset or risk source contributes. For example, a % CR to Active Total Risk of 10% indicates that 10% of the portfolio’s active total risk is arising from the active position in that particular asset.

B

BASIS POINTS (BPS)

One one-hundredth of one percent. One hundred basis points equal one percent.

BETA

A measure of the volatility of a stock relative to the overall market. A beta of less than one indicates lower risk than the market; a beta of more than one indicates higher risk than the market.

D

DURATION

A measure of the price sensitivity of a bond portfolio to changes in interest rates.

F

FUTURES CONTRACT

Agreement to buy or sell a specific amount of a commodity or financial instrument at a particular price and a stipulated future date.

H

HIGH YIELD BOND

A bond with a low investment quality and credit worthiness, usually with a rating of BB or less.

I

INFORMATION RATIO

The excess return (alpha) per unit of active risk (tracking error).

INTERNAL RATE OF RETURN (IRR)

A total rate of return that gives full weight to the size and timing of cash flows over the period measured and fully reflects unrealized gains and losses in addition to realized gains and losses, interest and dividend income.

M

MC TO TOTAL TRACKING ERROR

This value represents the change in the active risk of an asset's portfolio or group that would result from a one percent increase in the asset's effective position plus an equal short position in the benchmark.

S

SHARPE RATIO

Average return earned in excess of the risk-free rate per unit of total risk.

STANDARD DEVIATION

Statistical measure of the degree to which an individual value in a probability distribution tends to vary from the mean of the distribution. The greater the degree of dispersion, the greater the risk.

T

TIME-WEIGHTED RETURN (TWR)

A measure of the compound rate of growth in a portfolio. Often used to compare the returns of investment managers because it eliminates the distorting effects on growth rates created by inflows and outflows of money.

TOTAL RISK

The total (gross) risk to an asset (or portfolio), which is the standard deviation of the asset's total return distribution, expressed in percent. Total risk is forecasted using MSCI Barra's multiple factor models. The total risk for an asset depends on the asset's exposures to the risk factors, the factor variance/covariance matrix, and the forecast selection risk of the asset.

TOTAL RISK CONTRIBUTION

The percent of total risk that an individual asset or risk source contributes. For example, a % CR to Total Risk of 10% indicates that 10% of the portfolio's total risk is arising from the portfolio's position in that particular asset.

V

VALUE AT RISK

The maximum loss that a portfolio can lose in 1 year with a 95% level of confidence based on 1,000 simulations.

Y

YIELD TO MATURITY

The return a bond earns on the price at which it was purchased if it were held to maturity. It assumes that coupon payments can be reinvested at the yield to maturity.