North Carolina Retirement Systems Investment Cost Effectiveness Analysis - Summary of Results

For the 5 year period ending December 31, 2019



Michael Reid Vice President

Key takeaways

Returns

- Your 5-year net total return was 6.5%. This was below the U.S. Public median of 7.5% and below the peer median of 7.5%.
- Your 5-year policy return was 5.9%. This was below the U.S. Public median of 6.9% and below the peer median of 7.0%.

Value added

• Your 5-year net value added was 0.6%. This was above the U.S. Public median of 0.4% and equal to the peer median of 0.6%.

Cost

- Your investment cost of 32.1 bps was below your benchmark cost of 40.1 bps. This suggests that your fund was low cost compared to your peers.
- Your fund was low cost because you paid less than peers for similar services.

Risk

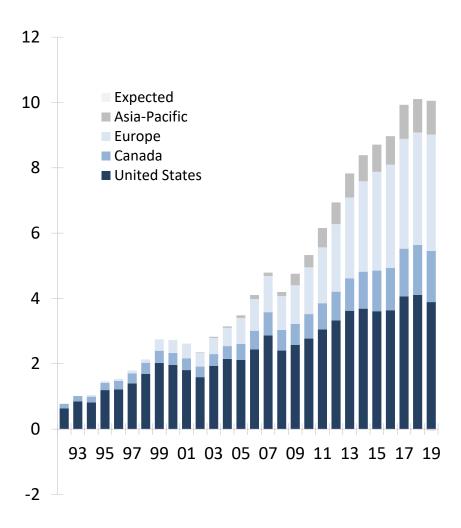
• Your asset risk of 9.5% was below the U.S. Public median of 10.7%.

This benchmarking report compares your cost and return performance to the 294 funds in CEM's extensive pension database.

- 151 U.S. pension funds participate. The median U.S. fund had assets of \$11.4 billion and the average U.S. fund had assets of \$25.7 billion. Total participating U.S. assets were \$3.9 trillion.
- 67 Canadian funds participate with assets totaling \$1.6 trillion.
- 66 European funds participate with aggregate assets of \$3.6 trillion. Included are funds from the Netherlands, Norway, Sweden, Finland, Ireland, Denmark and the U.K.
- 6 Asia-Pacific funds participate with aggregate assets of \$1.0 trillion. Included are funds from Australia, New Zealand, China and South Korea.

The most meaningful comparisons for your returns and value added are to the U.S. Public universe.

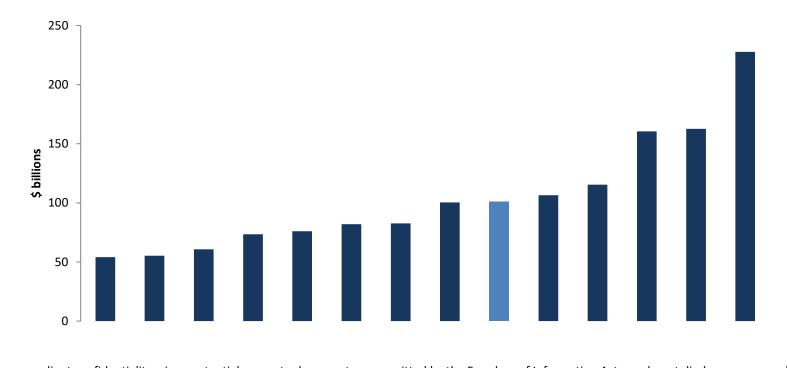
Participating assets (\$ trillions)



The most valuable comparisons for cost performance are to your custom peer group because size impacts costs.

Peer group for North Carolina Retirement Systems

- 14 U.S. Public sponsors from \$54.1 billion to \$227.7 billion
 - Median size of \$91.5 billion versus your \$100.9 billion



To preserve client confidentiality, given potential access to documents as permitted by the Freedom of Information Act, we do not disclose your peers' names in this document. For some of the peers, 2018 cost data was used as a proxy for 2019.

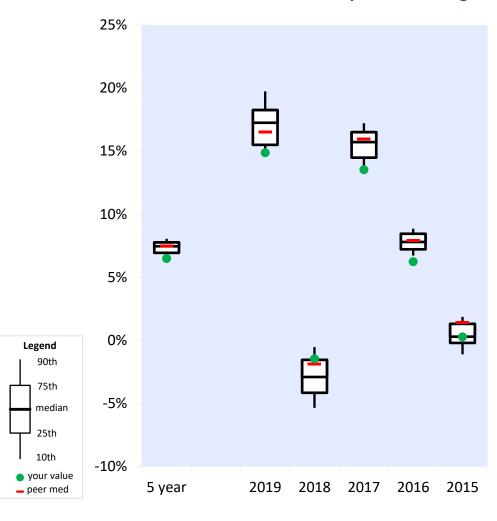
Your 5-year net total return of 6.5% was below both the U.S. Public median of 7.5% and the peer median of 7.5%.

Total returns, by themselves, provide little insight into the reasons behind relative performance. Therefore, we separate total return into its more meaningful components: policy return and value added.

	Your 5-year
Net total fund return	6.5%
- Policy return	5.9%
= Net value added	0.6%

This approach enables you to understand the contribution from both policy mix decisions (which tend to be the board's responsibility) and implementation decisions (which tend to be management's responsibility).

U.S. Public net total returns - quartile rankings



Your 5-year policy return of 5.9% was below both the U.S. Public median of 6.9% and the peer median of 7.0%.

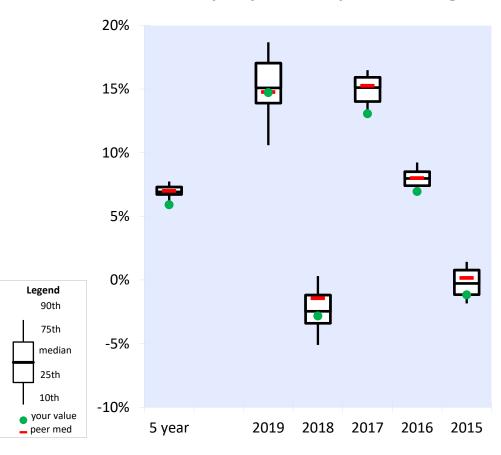
Your policy return is the return you could have earned passively by indexing your investments according to your policy mix.

Having a higher or lower relative policy return is not necessarily good or bad. Your policy return reflects your investment policy, which should reflect your:

- Long term capital market expectations
- Liabilities
- Appetite for risk

Each of these three factors is different across funds. Therefore, it is not surprising that policy returns often vary widely between funds.

U.S. Public policy returns - quartile rankings



To enable fairer comparisons, the policy returns of all participants, including your fund, were adjusted to reflect private equity benchmarks based on lagged, investable, public-market indices. Prior to this adjustment, your 5-year policy return was 6.0%, 0.1% higher than your adjusted 5-year policy return of 5.9%. Mirroring this, your 5-year total fund net value added would be 0.1% lower.

Your 5-year policy return of 5.9% was below the U.S. Public median of 6.9% primarily because of:

- The negative impact of your lower weight to stocks, which was one of the best performing asset classes over the past 5 years. You had a 42% allocation to stocks while the U.S. public universe had a 48% weight to the asset class.
- The negative impact of you higher weight to U.S. bonds, which was one of the worst performing asset classes over the past 5 years. You had a 25% allocation to U.S bonds while the U.S. public universe had a 17% weight to the asset class.

1 E year weights ar	hacad anly an	plane with E years	of continuous data

^{2.} Other real assets includes infrastructure.

5-year average	policy r	nix ¹		-	pench-
o year arerage	policy i			mark	return
	Your	U.S. Publ	More/	Your	U.S. Publ
	Fund	Avg.	Less	Fund	Avg.
Stock - U.S.	21%	21%	1%	11.2%	11.0%
Stock - EAFE	0%	5%	-5%	5.7%	5.8%
Stock - ACWI x U.S.	20%	8%	13%	5.7%	5.9%
Stock - Global	0%	11%	-11%	n/a³	8.5%
Other Stock	1%	4%	-4%	n/a³	n/a³
Total Stock	42%	48%	-6%	8.6%	8.8%
Fixed Income - U.S.	25%	17%	8%	3.9%	3.1%
Fixed Inc Inflation Index	2%	3%	-1%	1.5%	2.8%
Cash	4%	-1%	5%	1.0%	1.1%
Other Fixed Income	0%	6%	-7%	n/a³	n/a³
Total Fixed Income	31%	25%	6%	3.4%	3.7%
Global TAA	2%	1%	1%	5.6%	
Hedge Funds	3%	4%	-1%	2.1%	3.2%
Commodities	1%	1%	0%	-3.9%	-3.3%
Natural Resources	3%	1%	2%	1.3%	4.1%
REITs	1%	1%	0%	6.9%	6.8%
Real Estate ex-REITs	7%	8%	-1%	7.6%	8.4%
Other Real Assets ²	0%	1%	-1%	n/a³	n/a³
Private Equity	8%	9%	-1%	7.4%	7.6%
Private Debt	2%	2%	1%	n/a³	5.3%
Total	100%	100%	0%		

5-year bench-

^{3.} A value of 'n/a' is shown if asset class return are not available for the full 5 years or if they are broad and incomparable.

Net value added is the component of total return from active management. Your 5-year net value added was 0.6%.

Net value added equals total net return minus policy return.

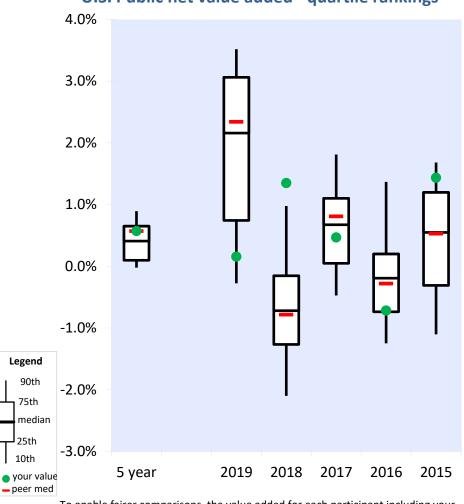
Value added for North Carolina Retirement Systems

	Net	Policy	Net Value
Year	Return	Return	Added
2019	14.9%	14.7%	0.2%
2018	-1.5%	-2.8%	1.3%
2017	13.5%	13.1%	0.5%
2016	6.2%	7.0%	-0.7%
2015	0.3%	-1.2%	1.4%
5-Year	6.5%	5.9%	0.6%

Your 5-year net value added of 0.6% compares to a median of 0.6% for your peers and 0.4% for the U.S. Public universe.

Your 0.6% 5-year value added translates into approximately \$2.9 billion of cumulative value added over 5 years, or \$0.8 billion more than if you had earned the U.S. Public median of 0.4%.

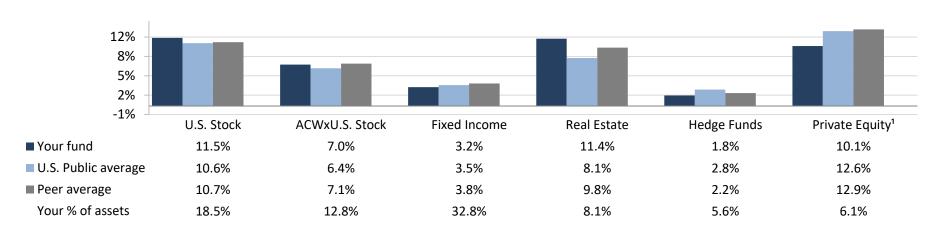
U.S. Public net value added - quartile rankings



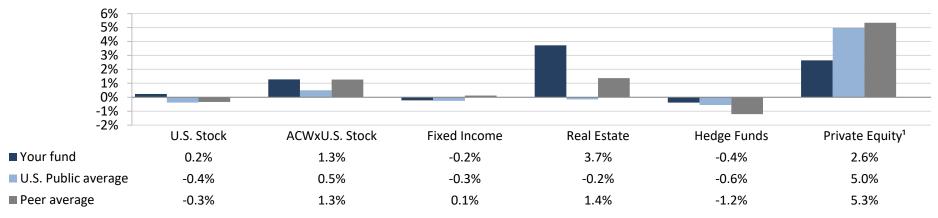
To enable fairer comparisons, the value added for each participant including your fund was adjusted to reflect private equity benchmarks based on investable public market indices. Prior to this adjustment, your fund's 5-year total fund net value added was 0.5%.

Comparisons of your 5-year net return and net value added by major asset class:

5-year average net return by major asset class



5-year average net value added by major asset class



^{1.} To enable fairer comparisons, the private equity benchmarks of all participants, including your fund were adjusted to reflect lagged, investable, public-market indices. Prior to this adjustment, your fund's 5-year private equity net value added was 0.5%.

Your investment costs, excluding private asset performance fees, were \$323.9 million or 32.1 basis points in 2019.

Asset management costs by asset	Inte	nal Mana	agement	Exte	rnal Manage	ement		
class and style (\$000s)	Passive	Active	Overseeing	Passive	Active	Perform.		
(φοσος			of external	fees	base fees	fees 1	Total	
Stock - U.S. Broad/All			149	1000	5,032	.000	5,181	
Stock - U.S. Large Cap	156	0					156	
Stock - U.S. Mid Cap	38		141		6,161		6,340	
Stock - U.S. Small Cap			123		5,476		5,598	
Stock - EAFE			273	161	6,671		7,105	
Stock - Emerging			79		1,491		1,570	
Stock - ACWI x U.S.			967	1,778	22,100		24,846	
Stock - Other			1		298		299	
Fixed Income - U.S.		2,021					2,021	
Fixed Income - Inflation Indexed			91	17	4,228		4,336	
Cash		756					756	
Commodities			15		208		223	
REITs			88	142	1,237		1,468	
Global TAA			238		2,000		2,238	
Hedge Funds - External Active			307		35,639	10,475	46,420	
Hedge Funds - FoFs			39		5,810	3,812	9,661	
Real Estate ex-REITs ¹			499		29,007	7,077	29,505	
Real Estate ex-REITs - LP 1			334		35,764	45,225	36,098	
Real Estate ex-REITs - Co-Invest. 1			75		3,242		3,317	
Real Estate ex-REITs - FoFs 1			12		2,235	347	2,247	
Infrastructure - LP ¹			47		5,932	6,217	5,979	
Natural Resources - LP ¹			260		35,120	5,924	35,380	
Natural Resources - Co-Invest. 1			25		846	95	871	
Diversified Private Equity - FoFs 1			107		10,951	15,714	11,058	
LBO - LP ¹			293		24,966	38,310	25,259	
Venture Capital - LP ¹			169		16,082	3,870	16,251	
Venture Capital - Co-Invest. 1			11				11	
Private Credit - LP ¹			232		19,410	14,591	19,643	
Private Credit - Co-Invest. 1			28		1,743		1,771	
Other Private Equity - LP 1			165		14,136	1,316	14,302	
Other Private Equity - Co-Invest. 1			6		346		352	24.71
Total excluding private asset performance	fees						320,261	31.7bp
Oversight, custodial and other costs ²								
Oversight of the fund							2,053	
Trustee & custodial							1,550	
Consulting and performance measuremen	t						0	
Audit							80	
Other							0	
Total oversight, custodial & other costs							3,683	0.4bp
Total investment costs (excl. transaction c	osts & priv	ate asset p	performance fe	es)			323,943	32.1bp

Footnotes

- 1. Total cost excludes carry/performance fees for real estate, infrastructure, natural resources and private equity. Performance fees are included for the public market asset classes and hedge funds.
- 2. Excludes non-investment costs, such as benefit insurance premiums and preparing cheques for retirees.

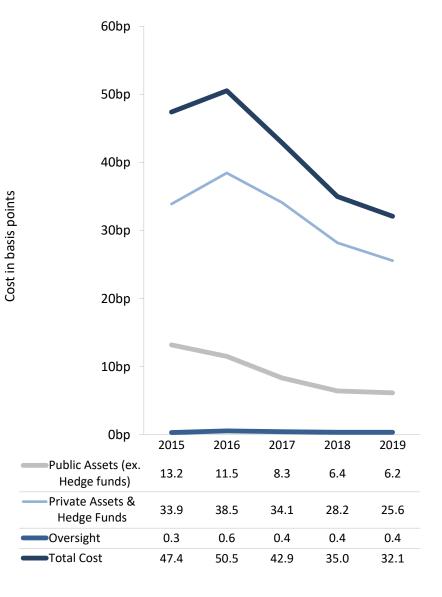
(e.e., transaction of private above period in e.e.,

Your costs decreased between 2015 and 2019.

Your costs decreased primarily because:

- Base Fees for both public and private market asset classes have decreased over the past 5 years
- You decreased your investment in the highest cost asset classes. Your holdings of hedge funds, private real assets and private equity decreased from 23% of assets in 2015 to 22% in 2019.
- You increased your use of lower cost passive and internal management from 51% of assets in 2015 to 59% in 2019.
- You decreased your use of funds of funds from 12% of hedge funds, private real assets and private equity in 2015 to 5% in 2019. Funds of funds are higher cost than

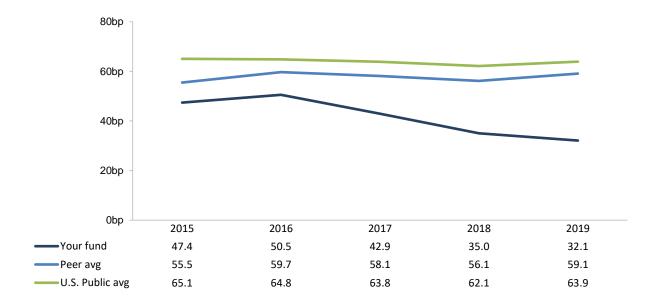
Trend in your investment costs



Trend in total investment cost, you versus peers and universe

Trend in total investment cost

(excluding transaction costs and private asset performance fees)



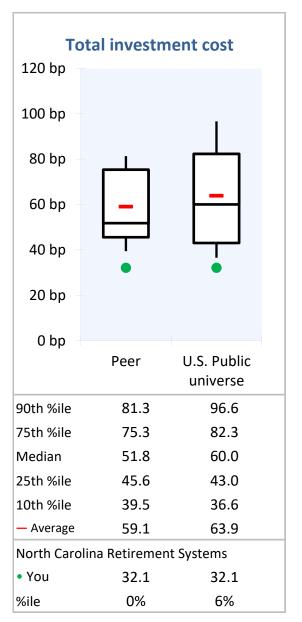
Trend analysis is based on 45 U.S. Public funds and 13 peer funds with 5 or more consecutive years of data.

Your total investment cost of 32.1 bps was the lowest of the peers and was substantially below the peer median of 51.8 bps. You are the lowest cost fund in your peer group.

Differences in total investment cost are often caused by two factors that are often outside of management's control:

- Asset mix, particularly holdings of the highest cost asset classes: real estate (excl. REITs), infrastructure, hedge funds and private equity. These high cost assets equaled 25% of your funds assets at the end of 2019 versus a peer average of 30%.
- Fund size. Bigger funds have advantages of scale.

Therefore, to assess whether your costs are high or low given your unique asset mix and size, CEM calculates a benchmark cost for your fund. This analysis is shown on the following page.



Benchmark cost analysis suggests that, after adjusting for fund size and asset mix, your fund was low cost by 8.0 basis points in 2019.

Your benchmark cost is an estimate of what your cost would be given your actual asset mix and the median costs that your peers pay for similar services. It represents the cost your peers would incur if they had your actual asset mix.

Your total cost of 32.1 bp was below your benchmark cost of 40.1 bp. Thus, your cost savings were 8.0 bp.

Your cost versus benchmark

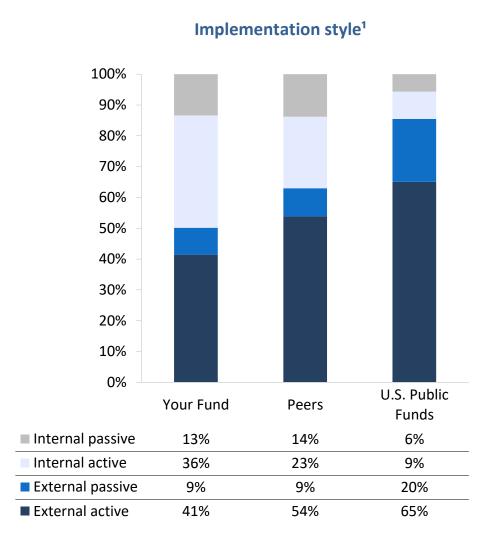
	\$000s	basis points
Your total investment cost	323,943	32.1 bp
Your benchmark cost	404,196	40.1 bp
Your excess cost	(80,253)	(8.0) bp

Differences in cost performance are often caused by differences in implementation style.

Implementation style is defined as the way in which your fund implements asset allocation. It includes internal, external, active, passive and fund of funds styles.

The greatest cost impact is usually caused by differences in the use of:

- External active management because it tends to be much more expensive than internal or passive management. You used less external active management than your peers (your 41% versus 54% for your peers).
- Within external active holdings, fund of funds usage because it is more expensive than direct fund investment. You had similar amounts in fund of funds. Your 5% of hedge funds, real estate and private equity in fund of funds compared to 4% for your peers.



^{1.} The graph above does not take into consideration the impact of derivatives. The values in the graph above are calculated using average holdings.

Your fund was low cost because you paid less than peers for similar services.

Reasons for your low cost status

	Excess C (Saving	
	\$000s	bps
 Higher cost implementation style Use of passive management vs. higher cost active Use of external management vs. lower cost internal More LPs as a percentage of external More fund of funds Less co-investment as a percentage of LP/Co Less overlays 	(13,359) 16,817 16,173 9,024 6,814 (2,353) 33,117	(1.3) 1.7 1.6 0.9 0.7 (0.2) 3.3
 2. Paying less than peers for similar services External investment management costs Internal investment management costs Oversight, custodial & other costs 	(99,135) (7,386) (6,849) (113,370)	(9.8) (0.7) (0.7) (11.2)
Total savings	(80,253)	(8.0)

The table below summarizes why you are high/low cost relative to the peer-median by asset class.

Why are you high/(low) cost by asset class?

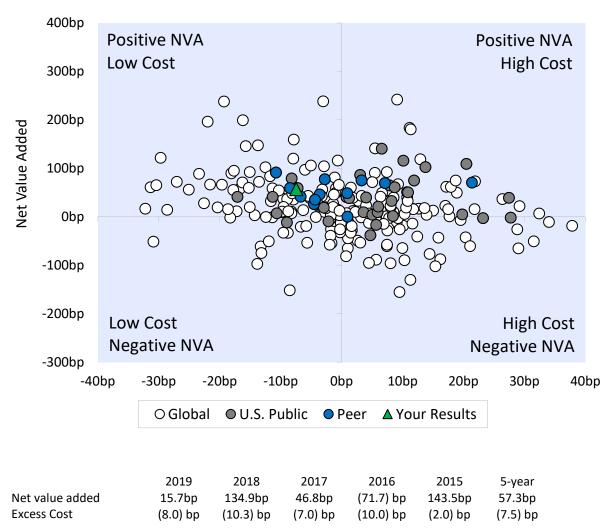
				Your			
	C+ula vuoia	btod oost					
	Style weig			average			
		Peer		assets	Due to	Due to	Total
	Your	median¹ =	More/	(or fee	impl.	paying	more/
Asset class/category	cost	Benchmark	(less)	basis) ²	style	more/(less)	(less)
Asset management costs	(A)	(B)	(C = A - B)	(D)			(C x D)
Stock - U.S. Broad/All	37.1 bp	9.6 bp	27.6 bp	1,395	3,812	36	3,848
Stock - U.S. Large Cap	0.1 bp	3.7 bp	(3.5) bp	10,878	-3,273	-546	-3,819
Stock - U.S. Mid Cap	16.1 bp	18.9 bp	(2.8) bp	3,936	-898	-187	-1,084
Stock - U.S. Small Cap	48.6 bp	37.1 bp	11.5 bp	1,152	2,720	-1,397	1,323
Stock - EAFE	23.8 bp	23.0 bp	0.8 bp	2,982	1,788	-1,557	231
Stock - Emerging	21.2 bp	44.0 bp	(22.8) bp	741	1,265	-2,957	-1,692
Stock - ACWI x U.S.	17.6 bp	28.6 bp	(11.0) bp	14,135	-10,013	-5,547	-15,559
Stock - Other	123.6 bp	123.6 bp	0.0 bp	24	0	0	0
Fixed Income - U.S.	0.8 bp	4.5 bp	(3.8) bp	26,771	-3,462	-6,653	-10,115
Fixed Income - Inflation Indexed	34.7 bp	4.0 bp	30.7 bp	1,251	1,207	2,632	3,839
Cash	0.8 bp	0.8 bp	0.0 bp	10,008	0	0	0
Commodities	10.8 bp	26.0 bp	(15.2) bp	207	255	-570	-315
REITs	18.7 bp	16.5 bp	2.2 bp	784	215	-39	176
Real Estate ex-REITs	90.3 bp	82.6 bp	7.6 bp	7,883	10,800	-4,783	6,017
Infrastructure	136.4 bp	113.8 bp	22.6 bp	438	997	-8	990
Natural Resources	74.2 bp	114.2 bp	(40.1) bp	4,887	7,162	-26,737	-19,575
Hedge Funds	113.8 bp	116.6 bp	(2.8) bp	3,672	2,517	-3,528	-1,011
Global TAA	13.8 bp	35.5 bp	(21.7) bp	1,621	4,058	-7 <i>,</i> 578	-3,520
Diversified Private Equity	156.9 bp	151.6 bp	5.2 bp	705	5,462	-5,093	370
Venture Capital	126.7 bp	163.1 bp	(36.4) bp	1,283	-188	-4,478	-4,666
LBO	117.0 bp	160.6 bp	(43.6) bp	2,159	1,863	-11,281	-9,418
Other Private Equity	63.5 bp	63.5 bp	(0.0) bp	2,307	0	0	-0
Private Credit	80.4 bp	102.3 bp	(22.0) bp	2,664	7,996	-13,849	-5,853
Derivatives and overlays	0.0 bp	0.2 bp	(0.2) bp	100,908	-2,353	0	-2,353
Total asset management	31.7 bp	39.0 bp	(7.3) bp	100,908	33,117	-106,521	-73,404
Oversight, custody and other costs ³							
Oversight of the Fund	0.2 bp	0.6 bp	(0.4) bp				
Trustee & Custodial	0.2 bp	0.3 bp	(0.1) bp				
Consulting	0.0 bp	0.0 bp	0.0 bp				
Audit	0.0 bp	0.0 bp	(0.0) bp				
Other	0.0 bp	0.1 bp	(0.1) bp				
Total oversight, custody & other	0.4 bp	1.0 bp	(0.7) bp	100,908	n/a	-6,849	-6,849
Total	32.1 bp	40.1 bp	(8.0) bp	100,908	33,117	-113,370	-80,253

- 1. The weighted peer median cost for asset management is the style-weighted average of the peer median costs for all implementation styles (i.e., internal passive, internal active, external passive, external active, fund of fund). It excludes performance fees on private assets.
- 2. Total fund average holdings is used as the base when calculating the relative cost impact of the overlay programs.
- 3. Benchmarks for oversight total and individual lines are based on peer medians. Sum of the lines may be different from the total.

Your 5-year performance placed in the positive value added, low cost quadrant of the cost effectiveness chart.



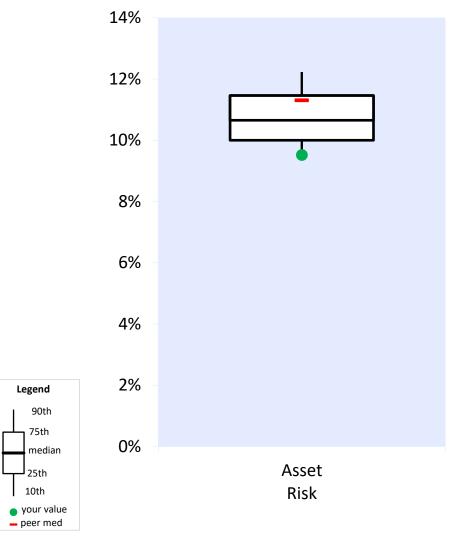
(Your 5-year: net value added 57 bps, cost savings 7 bps 1)



Comparison of risk levels

Your asset risk of 9.5% was below the U.S. Public median of 10.7%. Asset risk is the standard deviation of your policy return. It is based on the historical variance of, and covariance between, the asset classes in your policy mix.

U.S. Public risk levels at December 31, 2019



Appendix: Differences in implementation style cost you 3.3 bp relative to your peers.

Calculation of the cost impact of differences in implementation style

	Assets by	V-	Style %	D.4 /			D. 0 /	Cost/	
Asset class by	style	Your	Peer	More/			More/	(savings)	
implementation choice*	(\$mils) ¹	fund	average	(less)	Benchm	ark cost	(less) ²	in \$000s	bps
	Α .			В			С	AXBXC	
	Total		0/ 5						
Passive vs. Active	assets		e % of total		Passive	Active			
Stock - U.S. Broad/All	1,395	0.0%	71.2%	(71.2%)	1.2 bp	30.3 bp	(29.1) bp	2,895	
Stock - U.S. Large Cap	10,878	100.0%	58.0%	42.0%	0.6 bp	7.8 bp	(7.2) bp	(3,273)	
Stock - U.S. Mid Cap	3,936	66.4%	34.2%	32.3%	0.9 bp	28.2 bp	(27.3) bp	(3,475)	
Stock - U.S. Small Cap	1,152	0.0%	12.5%	(12.5%)	1.9 bp	42.1 bp	(40.3) bp	578	
Stock - EAFE	2,982	21.5%	27.3%	(5.7%)	3.3 bp	30.4 bp	(27.1) bp	462	
Stock - Emerging	741	0.0%	17.5%	(17.5%)	4.3 bp	52.5 bp	(48.1) bp	624	
Stock - ACWI x U.S.	14,135	54.6%	27.1%	27.4%	4.0 bp	37.7 bp	(33.7) bp	(13,052)	
Fixed Income - U.S.	26,771	0.0%	15.5%	(15.5%)	1.5 bp	5.1 bp	(3.6) bp	1,479	
Fixed Income - Inflation Indexed	1,251	4.6%	58.9%	(54.3%)	2.0 bp	6.8 bp	(4.8) bp	325	
Commodities	207	0.0%	31.6%	(31.6%)	2.4 bp	36.9 bp	(34.5) bp	225	
REITs	784	51.3%	44.1%	7.2%	2.0 bp	27.9 bp	(25.9) bp	(146)	
More passive								(13,359)	(1.3) bp
	Passive	Inte	rnal passive	% of	Internal	External	More/		
Internal passive vs. external passive	assets		passive asse	ts	passive	passive	less		
Stock - EAFE	642	0.0%	50.2%	(50.2%)	3.8 bp	2.9 bp	0.9 bp	(30)	
Stock - ACWI x U.S.	7,712	0.0%	42.9%	(42.9%)	2.4 bp	5.3 bp	(2.9) bp	960	
Fixed Income - Inflation Indexed	58	0.0%	89.8%	(89.8%)	2.1 bp	1.6 bp	0.4 bp	(2)	
REITs	402	0.0%	87.0%	(87.0%)	1.4 bp	5.6 bp	(4.2) bp	147	
Less int. passive as % of total passive								1,074	0.1 bp

 $^{^{*}}$ Implementation styles where you are exactly the same as your peers (i.e. style impact is zero) are not shown.

^{1.} Amount fees are based on' is the basis for calculating costs for private assets.

^{2.} The 'style premium' is calculated as the difference between the style-weighted peer-median cost of the two styles being compared.

Appendix: Differences in implementation style and their impact are shown bellow

•	•								
	Assets by		Style %					Cost/	
Asset class by	style	Your	Peer	More/			More/	(savings)	
implementation choice*	(\$mils)¹	fund	average	(less)	Benchm	ark cost	(less) ²	in \$000s	bps
	Active	Inte	ernal active	% of	Internal	External			
Internal active vs. external active	assets		active asset	S	active	active			
Stock - U.S. Broad/All	1,395	0.0%	19.4%	(19.4%)	3.1 bp	36.9 bp	(33.8) bp	917	
Stock - U.S. Large Cap	0	100.0%	81.5%	18.5%	4.0 bp	24.6 bp	(20.6) bp	(0)	
Stock - U.S. Mid Cap	1,321	0.0%	57.8%	(57.8%)	14.0 bp	47.7 bp	(33.7) bp	2,577	
Stock - U.S. Small Cap	1,152	0.0%	33.4%	(33.4%)	5.1 bp	60.7 bp	(55.6) bp	2,142	
Stock - EAFE	2,340	0.0%	22.3%	(22.3%)	10.3 bp	36.2 bp	(26.0) bp	1,357	
Stock - Emerging	741	0.0%	18.5%	(18.5%)	14.4 bp	61.1 bp	(46.7) bp	641	
Stock - ACWI x U.S.	6,423	0.0%	10.5%	(10.5%)	10.0 bp	41.0 bp	(31.0) bp	2,079	
Fixed Income - U.S.	26,771	100.0%	81.8%	18.2%	3.2 bp	13.4 bp	(10.1) bp	(4,941)	
Fixed Income - Inflation Indexed	1,193	0.0%	63.1%	(63.1%)	2.5 bp	14.2 bp	(11.7) bp	884	
Commodities	207	0.0%	4.2%	(4.2%)	3.0 bp	38.3 bp	(35.3) bp	31	
REITs	382	0.0%	20.4%	(20.4%)	6.1 bp	33.5 bp	(27.4) bp	214	
Real Estate ex-REITs	7,883	0.0%	9.4%	(9.4%)	27.0 bp	88.4 bp	(61.4) bp	4,571	
Infrastructure	438	0.0%	6.5%	(6.5%)	20.9 bp	120.2 bp	(99.3) bp	281	
Natural Resources	4,887	0.0%	0.7%	(0.7%)	17.4 bp	114.9 bp	(97.6) bp	351	
Global TAA	1,621	0.0%	50.6%	(50.6%)	11.1 bp	60.6 bp	(49.5) bp	4,058	
Diversified Private Equity	705	0.0%	0.7%	(0.7%)	41.8 bp	152.4 bp	(110.6) bp	51	
Venture Capital	1,283	0.0%	0.1%	(0.1%)	30.0 bp	163.2 bp	(133.2) bp	10	
Private Credit	2,664	0.0%	2.4%	(2.4%)	21.8 bp	104.3 bp	(82.5) bp	520	
Less int. active as % of total active								15,743	1.6 bp
	External	Ever	green fund	% of	Ever-	LP/Co/			
Evergreen vs. LP/Co/FoF	assets		external		green	FoF			
Real Estate ex-REITs	7,883	46.9%	59.2%	(12.4%)	64.6 bp	123.1 bp	(58.5) bp	5,719	
Infrastructure	438	0.0%	21.9%	(21.9%)	79.2 bp	131.7 bp	(52.5) bp	504	
Natural Resources	4,887	0.0%	11.6%	(11.6%)	82.3 bp	119.2 bp	(36.9) bp	2,087	
Private Credit	2,664	0.0%	38.5%	(38.5%)	57.1 bp	133.8 bp	(76.7) bp	7,864	
Less evergreen % of external								16,173	1.6 bp

^{*} Implementation styles where you are exactly the same as your peers (i.e. style impact is zero) are not shown.

^{1.} Amount fees are based on' is the basis for calculating costs for private assets.

^{2.} The 'style premium' is calculated as the difference between the style-weighted peer-median cost of the two styles being compared.

Appendix: Differences in implementation style and their impact are shown bellow

	Assets by		Style %					Cost/	
Asset class by	style	Your	Peer	More/			More/	(savings)	
implementation choice*	(\$mils) ¹	fund	average	(less)	Benchm	ark cost	(less) ²	in \$000s	bps
	LP/Co/	LI	P and Co % o	of					
LP/Co vs. Fund of funds	FoF assets	LP/C	Co/Fund of f	unds	LP/Co	FoF			
Real Estate ex-REITs	4,189	97.6%	98.2%	(0.6%)	122.2 bp	174.4 bp	(52.2) bp	141	
Infrastructure	438	100.0%	97.0%	3.0%	131.6 bp	134.8 bp	(3.2) bp	(4)	
Natural Resources	4,887	100.0%	99.9%	0.1%	119.2 bp	112.3 bp	7.0 bp	3	
Hedge Funds	3,672	88.3%	97.7%	(9.4%)	114.8 bp	188.1 bp	(73.3) bp	2,517	
Perf. fees (on NAV)	3,672	88.3%	97.7%	(9.4%)	68.6 bp	103.2 bp	(34.5) bp	1,186	
Diversified Private Equity	705	0.0%	94.1%	(94.1%)	147.5 bp	229.1 bp	(81.6) bp	5,412	
Venture Capital	1,283	100.0%	94.1%	5.9%	162.6 bp	172.7 bp	(10.2) bp	(77)	
LBO	2,159	100.0%	94.1%	5.9%	159.9 bp	171.9 bp	(12.0) bp	(154)	
Less fund of funds % of LP/Co/FoF								9,024	0.9 bp
	LP/Co	Co-	investment	% of	Co-	Limited			
Co-investment vs. LP	assets		ted partners		invest.	Partner.			
Real Estate ex-REITs	4,089	16.3%	17.8%	(1.5%)	72.4 bp	133.0 bp	(60.6) bp	369	
Infrastructure	438	0.0%	3.8%	(3.8%)	5.5 bp	136.6 bp	(131.1) bp	217	
Natural Resources	4,887	7.1%	14.2%	(7.2%)	3.6 bp	138.4 bp	(134.8) bp	4,721	
Venture Capital	1,283	6.5%	5.9%	0.6%	16.0 bp	171.8 bp	(155.8) bp	(121)	
LBO	2,159	0.0%	5.9%	(5.9%)	11.3 bp	169.2 bp	(158.0) bp	2,017	
Private Credit	2,664	11.7%	4.5%	7.2%	114.5 bp	134.7 bp	(20.2) bp	(388)	
Less co-investment % of LP/Co								6,814	0.7 bp
				<u>Overlays</u>					
Impact of higher use of portfolio leve	l overlays							(2,353)	(0.2) bp
Total impact of differences in implem								33,117	3.3 bp

^{*} Implementation styles where you are exactly the same as your peers (i.e. style impact is zero) are not shown.

^{1. &#}x27;Amount fees are based on' is the basis for calculating costs for private assets.

^{2.} The 'style premium' is calculated as the difference between the style-weighted peer-median cost of the two styles being compared.

Appendix: The net impact of paying more/less for external asset management costs saved 8.5 bps.

Style			Your avg	Cost in bps		S	Cost/
External asset management (A) (B) (A X B) Stock - U.S. Broad/All active 1,395 37.1 36.9 0.3 36 Stock - U.S. Small Cap active 1,152 48.6 60.7 (12.1) (1,397) Stock - EAFE passive 642 2.9 2.9 0.0 0 Stock - Emerging active 741 21.2 61.1 (39.9) (2,957) Stock - ACWI x U.S.* passive 7,712 2.7 5.3 (2.6) (2,015) Stock - ACWI x U.S. active 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39 Real Estate ex-REITs passive 402 4.7 5.6 (1.0) (39			_				
Stock - U.S. Broad/All active 1,395 37.1 36.9 0.3 36 Stock - U.S. Small Cap active 1,152 48.6 60.7 (12.1) (1,397) Stock - EAFE passive 642 2.9 2.9 0.0 0 Stock - Emerging active 741 21.2 61.1 (39.9) (2,957) Stock - ACWI x U.S.* passive 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs FoF 100 81.5 44.4		Style		Fund	median		
Stock - U.S. Small Cap active 1,152 48.6 60.7 (12.1) (1,397) Stock - EAFE passive 642 2.9 2.9 0.0 0 Stock - EMERIGING active 741 21.2 61.1 (39.9) (2,957) Stock - ACWI x U.S. active 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 81.5 44.4						٠,,	
Stock - EAFE passive 642 ctive 2.9 ctive 2.9 ctive 0.0 ctive <	·						
Stock - Emerging active 741 21.2 61.1 (39.9) (2,957) Stock - ACWI x U.S.* passive 7,712 2.7 5.3 (2.6) (2,015) Stock - ACWI x U.S. active 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4	•						(1,397)
Stock - ACWI x U.S.* passive 7,712 2.7 5.3 (2.6) (2,015) Stock - ACWI x U.S. active 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs FOF 100 81.5 44.4 37.1 372 Underlying base fees FOF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Infrastructure LP 343 136.4 136.6		•					_
Stock - ACWI x U.S. active 6,423 35.5 41.0 (5.5) (3,532) Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 4,38 136.4 136.6	5 5	active				, ,	• • •
Fixed Income - Inflation Indexed* passive 58 3.7 1.6 2.1 12 Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.		passive					
Fixed Income - Inflation Indexed* active 1,193 36.2 14.2 22.0 2,619 Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5)	Stock - ACWI x U.S.	active	6,423	35.5	41.0	(5.5)	(3,532)
Commodities active 207 10.8 38.3 (27.6) (570) REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 68.1	Fixed Income - Inflation Indexed*	passive	58	3.7	1.6	2.1	12
REITs* passive 402 4.7 5.6 (1.0) (39) Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3)	Fixed Income - Inflation Indexed*	active	1,193	36.2	14.2	22.0	2,619
Real Estate ex-REITs active 3,694 79.9 64.6 15.3 5,647 Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5<	Commodities	active	207	10.8	38.3	(27.6)	(570)
Real Estate ex-REITs** FoF 100 81.5 44.4 37.1 372 Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 47.6 120.0 (REITs*	passive	402	4.7	5.6	(1.0)	(39)
Underlying base fees FoF 100 142.2 130.0 12.2 123 Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 110.8 114.8 (4.0) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 47.6 120.0	Real Estate ex-REITs	active	3,694	79.9	64.6	15.3	5,647
Real Estate ex-REITs CO 667 49.8 72.4 (22.7) (1,511) Real Estate ex-REITs LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6	Real Estate ex-REITs**	FoF	100	81.5	44.4	37.1	372
Real Estate ex-REITS LP 3,422 105.5 133.0 (27.5) (9,414) Infrastructure LP 438 136.4 136.6 (0.2) (8) Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1	Underlying base fees	FoF	100	142.2	130.0	12.2	123
Infrastructure	Real Estate ex-REITs	CO	667	49.8	72.4	(22.7)	(1,511)
Natural Resources CO 346 25.2 3.6 21.6 746 Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital LP 1,200 135.5 171.8	Real Estate ex-REITs	LP	3,422	105.5	133.0	(27.5)	(9,414)
Natural Resources LP 4,541 77.9 138.4 (60.5) (27,483) Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 <td>Infrastructure</td> <td>LP</td> <td>438</td> <td>136.4</td> <td>136.6</td> <td>(0.2)</td> <td>(8)</td>	Infrastructure	LP	438	136.4	136.6	(0.2)	(8)
Hedge Funds active 3,243 110.8 114.8 (4.0) (1,297) Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9	Natural Resources	CO	346	25.2	3.6	21.6	746
Performance fees (on NAV) active 3,243 32.3 68.6 (36.3) (11,783) Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6	Natural Resources	LP	4,541	77.9	138.4	(60.5)	(27,483)
Hedge Funds* FoF 429 88.6 68.1 20.5 879 Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Hedge Funds	active	3,243	110.8	114.8	(4.0)	(1,297)
Top layer perf. fees (on NAV)* FoF 429 0.0 14.4 (14.4) (619) Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Performance fees (on NAV)	active	3,243	32.3	68.6	(36.3)	(11,783)
Underlying base fees FoF 429 47.6 120.0 (72.4) (3,110) Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Hedge Funds*	FoF	429	88.6	68.1	20.5	879
Global TAA active 1,621 13.8¹ 60.6 (46.8) (7,578) Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Top layer perf. fees (on NAV)*	FoF	429	0.0	14.4	(14.4)	(619)
Diversified Private Equity FoF 705 67.7 72.1 (4.4) (314) Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Underlying base fees	FoF	429	47.6	120.0	(72.4)	(3,110)
Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Global TAA	active	1,621	13.8 ¹	60.6	(46.8)	(7,578)
Underlying base fees FoF 705 89.2 157.0 (67.8) (4,779) Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Diversified Private Equity	FoF	705	67.7	72.1	(4.4)	
Venture Capital CO 84 1.3 16.0 (14.7) (123) Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	Underlying base fees	FoF	705	89.2	157.0	(67.8)	(4,779)
Venture Capital LP 1,200 135.5 171.8 (36.3) (4,355) LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	, -	СО	84	1.3	16.0		
LBO LP 2,159 117.0 169.2 (52.2) (11,281) Private Credit CO 311 56.9 114.5 (57.6) (1,794)	•	LP	1,200	135.5	171.8		
Private Credit CO 311 56.9 114.5 (57.6) (1,794)	•						
, , , , , ,	Private Credit	СО					
	Total impact of paying more/less for exte	ernal management				. ,	(85,522)

Footnotes:
1. You paid
performance fees in this
asset class.
'Excluded' indicates that
the asset class was
excluded from this
analysis due to
comparability concerns
with peers.
*Universe median used
as peer data was
insufficient.

**Database median used as peer and universe data was insufficient.

2. 'Amount fees are based on' is the basis for calculating costs for private assets.

Total in bps

(8.5) bp

Appendix: The net impact of paying more/less for internal asset management costs saved 0.7 bps.

Cost impact of paying more/(less) for internal asset management

		Your avg	Cost in bps			Cost/
		holdings	Your	Peer	More/	(savings)
	Style	in \$mils	Fund	median	(less)	\$000s
Internal asset management		(A)			(B)	(A X B)
Stock - U.S. Large Cap	passive	10,878	0.1	0.6	(0.5)	(546)
Stock - U.S. Mid Cap	passive	2,615	0.1	0.9	(0.7)	(187)
Fixed Income - U.S.	active	26,771	0.8	3.2	(2.5)	(6,653)
Cash	active	10,008	0.8	Excluded		
Total for internal management						(7,386)
Total in bps						(0.7) bp

^{&#}x27;Excluded' indicates that the asset class was excluded from this analysis due to comparability concerns with peers.

Appendix: The net impact of differences in oversight, custodial & other costs saved 0.7 bps.

Cost impact of differences in oversight, custodial & other costs

	Your avg	Cost in bps			Cost/
	holdings	Your	Peer	More/	(savings)
	in \$mils	Fund	median	(less)	\$000s
	(A)			(B)	(A X B)
Oversight	100,908	0.2	0.6	(0.4)	
Consulting	100,908	0.0	0.0	0.0	
Custodial	100,908	0.2	0.3	(0.1)	
Audit	100,908	0.0	0.0	(0.0)	
Other	100,908	0.0	0.1	(0.1)	
Total for oversight, custodial, other ¹		0.4	1.0	(0.7)	-6,849
Total in bps					(0.7) bp

^{1.} Comparisons on this page are to the Dutch universe, to reflect the unique governance structure in the Netherlands.

^{1.} Oversight, custodial, and other costs are benchmarked using the peer median cost for the total of the pieces. the individual line items are shown for comparison but not used in the benchmark.