Investment Performance Review Period Ending September 30, 2022

Southfield Fire & Police Retirement System



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Fixed Income

			Index Re	turns (%)			
<u>Equities</u>	Month	<u>3 M</u>	YTD	1 Year	<u>3 Yr</u> Ann	<u>5 Yr</u> Ann	_
S&P 500 Total Return	(9.21)	(4.88)	(23.87)	(15.47)	8.16	9.24	
Russell Midcap Index	(9.27)	(3.44)	(24.27)	(19.39)	5.19	6.48	- L
Russell 2000 Index	(9.58)	(2.19)	(25.10)	(23.50)	4.29	3.55	_ M
Russell 1000 Growth Index	(9.72)	(3.60)	(30.66)	(22.59)	10.67	12.16	- 14
Russell 1000 Value Index	(8.77)	(5.62)	(17.75)	(11.36)	4.36	5.29	_ _ s
Russell 3000 Index	(9.27)	(4.46)	(24.62)	(17.63)	7.70	8.62	_ 3
MSCI EAFE NR	(9.35)	(9.36)	(27.09)	(25.13)	(1.83)	(0.84)	_
MSCI EM NR	(11.72)	(11.57)	(27.16)	(28.11)	(2.07)	(1.81)	_

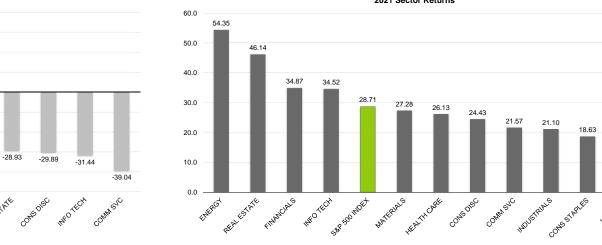
	Russell Ir	ndices Style	Returns	
	v	В	G	
L	-17.8	-24.6	-30.7	
N	-20.4	-24.3	-31.4	
5	-21.1	-25.1	-29.3	
		YTD		

v	В	G
25.1	26.4	27.6
28.3	22.6	12.7
28.2	14.8	2.8
	2021	

1 <u>/21 12/31/20</u>
4 1.22
5 1.37
08 103.25
1 0.89

L Μ s

		Levels	
Commodities	09/30/22	<u>12/31/21</u>	<u>12/31/20</u>
Oil	79.49	70.38	46.29
Gasoline	3.80	3.29	2.25
Natural Gas	6.77	3.79	2.54
Gold	1,672.00	1,840.90	1,187.30
Silver	19.04	23.54	16.50
Copper	341.25	440.95	351.85
Corn	677.50	546.00	403.25
BBG Commodity TR Idx	240.55	211.80	166.63

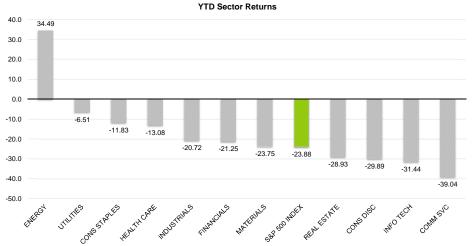


Source: Bloomberg & Investment Metrics. For informational purposes only and should not be regarded as investment advice. Information is based on sources and data believed to be reliable, but AndCo Consulting cannot guarantee the accuracy, adequacy or completeness of the information. The material provided herein is valid only as of the date of distribution and not as of any future date.

Index Returns (%) Month <u>3 M</u> YTD 1 Year

Fixed income	Month	<u>3 IVI</u>		<u>i rear</u>	Duration	Worst
U.S. Aggregate	(4.32)	(4.75)	(14.61)	(14.60)	6.20	4.75
U.S. Corporate Investment Grade	(5.26)	(5.06)	(18.72)	(18.53)	7.09	5.69
U.S. Corporate High Yield	(3.97)	(0.65)	(14.74)	(14.14)	4.11	9.68
Global Aggregate	(5.14)	(6.94)	(19.89)	(20.43)	6.74	3.70

		Levels (%)		
09/30/22	<u>12/31/21</u>	<u>12/31/20</u>	<u>12/31/19</u>	<u>12/31/18</u>
3.25	0.03	0.06	1.54	2.35
4.28	0.73	0.12	1.57	2.49
3.83	1.51	0.91	1.92	2.68
3.78	1.90	1.64	2.39	3.01
3.75	0.21	0.24	1.91	2.81
1.17	(0.57)	(0.55)	(0.38)	(0.31)
7.06	3.27	2.87	3.86	4.51
6.25	3.25	3.25	4.75	5.50
	3.25 4.28 3.83 3.78 3.75 1.17 7.06	3.25 0.03 4.28 0.73 3.83 1.51 3.78 1.90 3.75 0.21 1.17 (0.57) 7.06 3.27	09/30/22 12/31/21 12/31/20 3.25 0.03 0.06 4.28 0.73 0.12 3.83 1.51 0.91 3.78 1.90 1.64 3.75 0.21 0.24 1.17 (0.57) (0.55) 7.06 3.27 2.87	09/30/22 12/31/21 12/31/20 12/31/19 3.25 0.03 0.06 1.54 4.28 0.73 0.12 1.57 3.83 1.51 0.91 1.92 3.78 1.90 1.64 2.39 3.75 0.21 0.24 1.91 1.17 (0.57) (0.55) (0.38) 7.06 3.27 2.87 3.86



2021 Sector Returns



17.67

UTILITIES

Mod. Adj.

Yield to

The markets started the 3rd quarter with a brief reprieve from their downward trend in 2022. Investors anticipated the Federal Reserve was nearing the end of rate hikes; stocks and bonds both enjoyed strong returns in July. However, comments from the central bank leaders in August crushed those hopes. The Fed raised the Fed Funds rate twice by 75 basis points in July and September and indicated they would continue to pursue higher rates to reduce inflation, regardless of the impact on the economy. These actions caused the equity and fixed income markets to sell off during the second half of the quarter. The S&P 500 declined by 4.9% with small cap and growth stocks performing slightly better during the quarter. The Bloomberg US Aggregate fell 4.3% for the quarter and is down 14.6% year-to-date, suffering its worst performance in over 40 years. The international equity markets suffered larger losses due to rising energy prices and the expectation of a severe recession across Europe (MSCI EAFE NR - 9.4%). Real estate continues to be the lone asset class to survive 2022, posting a slight gain for the quarter. 2022 has been a painful year for investors.

1. Total Fund return of -4.07% outperformed the Policy Index return of -4.20% and ranked in the 29th percentile. The primary drivers of the outperformance were Champlain, ABS and PRISA II / III.

2. For the trailing 1 year, the fund earned -13.32%, lagging the policy index return of -10.84% and ranking in the 26th percentile vs. peers.

3. Within the Large Cap allocation, the S&P 500 Value and Dividend Aristocrats underperformed more growth-oriented indexes.

4. Within the small cap allocation, Champlain outperformed due to strong stock selection. Reinhart lagged due to stock selection in Healthcare.

5. Within International Equity, 1607 underperformed for the quarter by -0.03%, with performance again driven by NAV expansion. ABS Emerging outperformed due to being underweight China and Korea exposure.

6. Within Fixed Income, Loomis Sayles beat their benchmark for the quarter by 0.20%. Marathon sits at 72% called with an IRR of +11.5%. Bloomfield capital is 100% called and has generated a 9.50% IRR, the majority of that being paid in income back to F&P.

7. Within the hedge fund allocation, Nantucket underperformed for the quarter, driven by underperformance from Long/Short Equity. KStone Partners continues to unwind and return capital back to investors.

8. PRISA I outperformed for the quarter, with II and III nearly matching their index

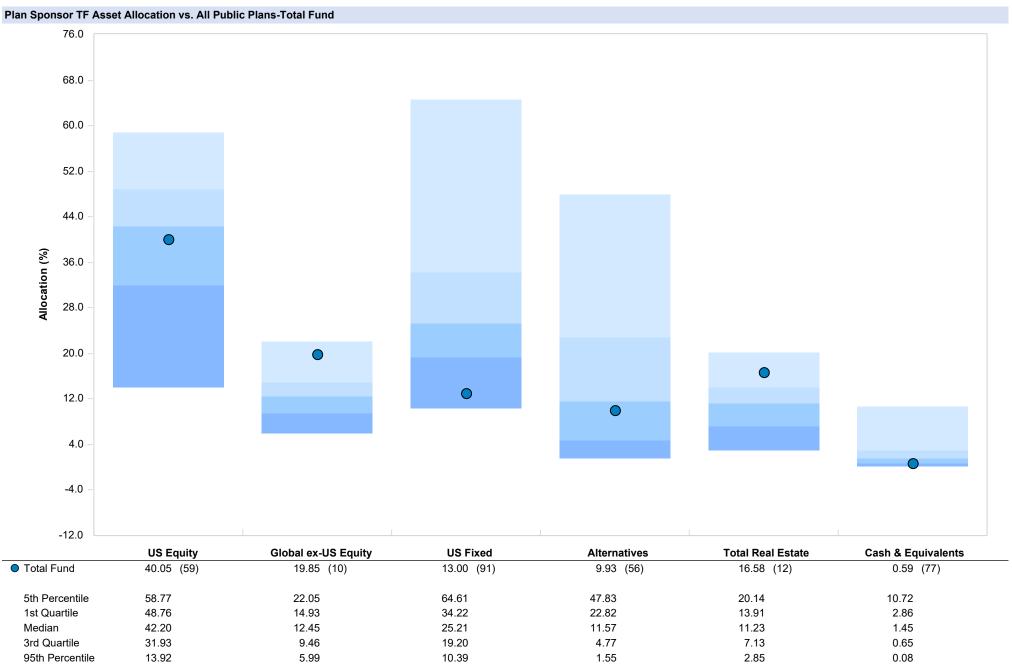
9. JCR III remains approximately 87% called with no additional calls expected. JCR IV is just over 96% called, with the balance expected to be called in 2022. Performance is ahead of expectations for both funds.

10. Landmark Fund VII had continued activity during the quarter and is approximately 47% called. IRR since inception is 19.2%.

11. TerraCap is 100% called. Artemis made a small call (1% of commitment) and Centerbridge has called 15% of capital. Both have been actively investing capital using their line of credit.

12. As of 9/30/2022, the Total Fund was in compliance with Public Act 314.





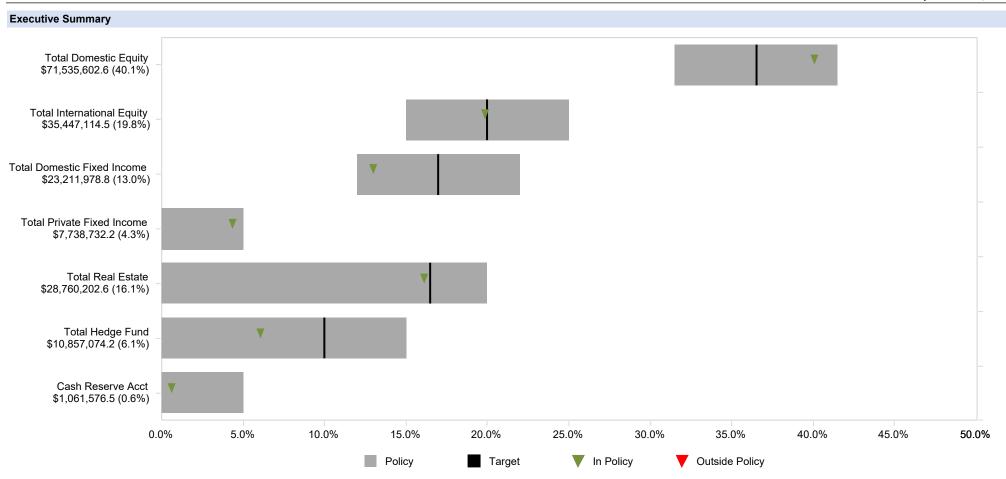
Parentheses contain percentile rankings.

Calculation based on quarterly periodicity.

Comparative Performance Trailing Returns Southfield Fire & Police Retirement System As of September 30, 2022

									3 01 September 30, 2022
Comparative P	Performance								
	QTR	YTD	1 YR	3 YR	5 YR	7 YR	10 YR	Inception	Inception Date
Total Fund -	4.0662	-17.2585	-13.3198	4.2175	4.3947	6.2476	6.5222	7.2009	01/01/1989





Asset Allocation Compliance								
	Asset Allocation \$	Current Allocation (%)	Minimum Allocation (%)	Target Allocation (%)	Maximum Allocation (%)	Min. Rebal. (\$000)	Target Rebal. (\$000)	Max. Rebal. (\$000)
Total Fund	178,612,281	100.0	N/A	100.0	N/A	-	-	-
Total Domestic Equity	71,535,603	40.1	31.5	36.5	41.5	-15,272,734	-6,342,120	2,588,494
Total International Equity	35,447,114	19.8	15.0	20.0	25.0	-8,655,272	275,342	9,205,956
Total Domestic Fixed Income	23,211,979	13.0	12.0	17.0	22.0	-1,778,505	7,152,109	16,082,723
Total Private Fixed Income	7,738,732	4.3	0.0	0.0	5.0	-7,738,732	-7,738,732	1,191,882
Total Real Estate	28,760,203	16.1	0.0	16.5	20.0	-28,760,203	710,824	6,962,254
Total Hedge Fund	10,857,074	6.1	0.0	10.0	15.0	-10,857,074	7,004,154	15,934,768
Cash Reserve Acct	1,061,577	0.6	0.0	0.0	5.0	-1,061,577	-1,061,577	7,869,038



Performance At-A-Glance Total Fund As of September 30, 2022

Gain/Loss Summary					
	QTD	YTD	1 YR	3 YR	5 YR
Total Fund					
Beginning Market Value	190,251,412	226,764,917	218,115,217	192,014,731	201,580,480
Net Contributions	-3,816,620	-9,008,326	-10,271,477	-34,998,666	-59,546,592
Gain/Loss	-7,822,510	-39,144,310	-29,231,459	21,596,216	36,578,393
Ending Market Value	178,612,281	178,612,281	178,612,281	178,612,281	178,612,281
Comparative Performance					

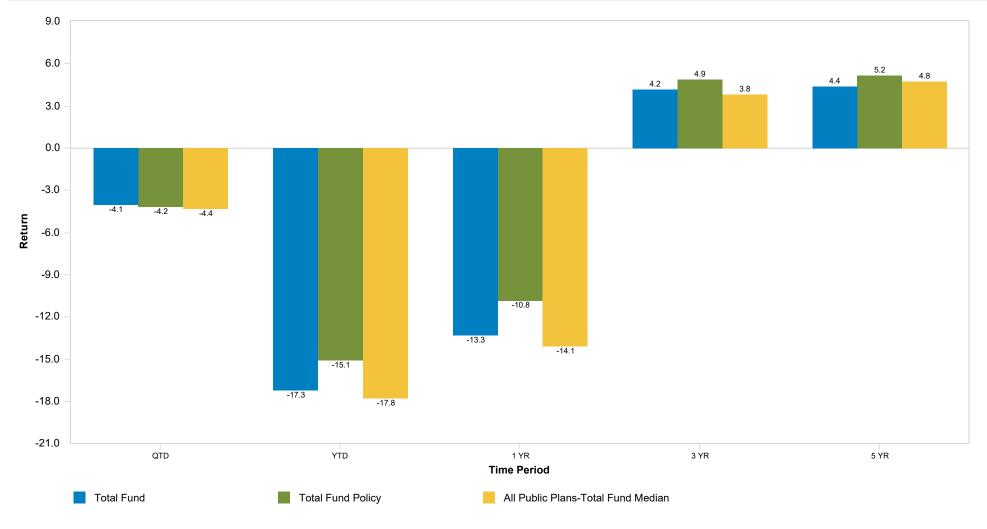
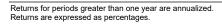




Image:	Asset Allocation Attributes																		
Teal Fund 70.571/71 39.5 20.449.698 16.49 5.89,291.5 3.18 2.211.97 1.00 2.09.13.48 16.00 4.005.398 2.26 4.986.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 4.996.10 7.7 5.99 7.9 7.7 5.99 7.9 7.7 5.99 7.9 7.7 7.9 9.90 7.8 7.7 7.9 7.7 7.9 7.7 7.9 7.7 7.9 7.7 7.9 7.7 7.9 7.7 7.9 7.9 7.7 7.9 7.7 7.9 7.9 7.7 7.7 7.7 7.7 7.7 7.7 7.7 <th<< th=""><th></th><th>Domestic</th><th>Equity</th><th>Internationa</th><th>l Equity</th><th>Emerging</th><th>Equity</th><th>Domestic Fixe</th><th>ed Income</th><th>Real Es</th><th>tate</th><th>Hedge F</th><th>und</th><th>Private E</th><th>quity</th><th>Cash Equ</th><th>ivalent</th><th>Total Fu</th><th>ind</th></th<<>		Domestic	Equity	Internationa	l Equity	Emerging	Equity	Domestic Fixe	ed Income	Real Es	tate	Hedge F	und	Private E	quity	Cash Equ	ivalent	Total Fu	ind
Cala Denestic Equity 70,671,741 96.8 - - - - - - 93.82 1.35 71,355.60 96.0 VCM Dividerid Autioarula 16,091,503 90.9 - - - - - - - - - 131,660 0.81 16,228,163 9.08 VCM ASP 500 Value 11,666,73,443,973 99.69 -		(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%	(\$)	%
VMD Nytend Artisteraris 10,049,633 99,19 .	Total Fund	70,571,741	39.51	29,449,618	16.49	5,681,915	3.18	23,211,979	13.00	29,913,408	16.75	10,857,074	6.08	4,036,386	2.26	4,890,161	2.74	178,612,281	100.00
VMD Nytend Arksbornis 10.049.633 99.19 .																			
YCM 845 000 drowth 14.448.73 96.8 - <t< td=""><td>Total Domestic Equity</td><td>/0,5/1,/41</td><td>98.65</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>•</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>963,862</td><td>1.35</td><td>/1,535,603</td><td>40.05</td></t<>	Total Domestic Equity	/0,5/1,/41	98.65	-	-	-	-	-	-	•	-	-	-	-	-	963,862	1.35	/1,535,603	40.05
YCM 849 500 Growth 14,449,87 96,86 - - - - - - - 64,314 0.22 14,418,88 817 YCM 849 500 Growth 156,676,416 97,75 2 2,47,711 82,487,712 82,487,971 82,489,97 5.22 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,821 5.25 9,873,81 5.25 9,873,81 5.25 9,873,81 5.25 9,873,81 5.25 9,873,81 5.25 9,873,81 5.25 9,873,81 5.25 5.261,91 1000 - - 9,75 2.23,11,979 1000 - - 2,23,11,879 1000 - - 2,23,11,879 1000 - - 2,23,11,879 1000<	YCM Dividend Aristocrats	16 094 503	99 19	-			-	-	-		-	-	-		-	131 660	0.81	16 226 163	9.08
YM 8/290 Value 15,677.81 97.7 1<				-	-	-	-	-	-	-	-	-	-		-				
Behlmänning Shundid Cap PAN 9.43.197 9.48.8 - <td>YCM S&P 500 Value</td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>	YCM S&P 500 Value			-	-	-	-	-	-	-	-	-	-		-				
Champel no C 8.392.03 97.49 . <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td> <td></td> <td></td>				-	-	-	-	-	-	-	-	-	-		-	-			
Field by Extended With Index (FSMAX) 6,588,98 1000 0 <t< td=""><td>·</td><td></td><td>97.49</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>,</td><td>2.51</td><td>8,609,217</td><td></td></t<>	·		97.49	-	-	-	-	-	-	-	-	-	-	-	-	,	2.51	8,609,217	
Total International Equity ·				-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1007 Capital Partners - 29,449,618 98.94 - - - - - - 315,582 1.06 29,765,199 1.06 ABS EM Strategic - - - - - - - - - 5,681,915 3.18 Total Domestic Fixed Income - - - 23,211,979 1000 - - - - 23,211,979 130.00 Bioornfield Capital Income Fund V Series A - - - - - - - 23,211,979 130.00 Bioornfield Capital Income Fund V Series A - - - - - - - 23,211,979 130.00 - - - 23,211,979 130.00 - - - 23,211,979 130.00 - - - 23,211,979 130.00 - - - 23,211,979 130.00 - - - 23,211,979 100.00 - - - 23,211,979 100.00 - - - 23,211,979 10.00 - -<																			
ABS EM Strategic ·	Total International Equity	-	-	29,449,618	83.08	5,681,915	16.03	-	-	-	-	-	-	-	-	315,582	0.89	35,447,114	19.85
ABS EM Strategic - - 5,681,915 1000 - - - - - 5,681,915 3.8 Total Domestic Fixed Income - - - 23,211,979 100.00 - - - - - 23,211,979 13.00 Bioomfield Capital Income Fund V Series A - - - 23,211,979 100.00 - - - - 23,211,979 13.00 Bioomfield Capital Income Fund V Series A - - - 23,211,979 100.00 - - - - 23,211,979 13.00 Bioomfield Capital Income Fund V Series A - - - - - - - - - 23,211,979 100.00 - - - - 23,211,979 100.00 - - - 23,211,979 100.00 - - - 23,211,979 100.00 - - - 23,211,979 100.00 - - - 23,211,979 100.00 - - - 23,211,979 100.00 - <																			
Total Domesite Fixed Income - - 23,211,979 100.00 - - - - - 23,211,979 13.00 Loomis Sayles Intermediate Duration - <td></td> <td>-</td> <td>-</td> <td>29,449,618</td> <td>98.94</td> <td>-</td> <td>315,582</td> <td>1.06</td> <td>29,765,199</td> <td></td>		-	-	29,449,618	98.94	-	-	-	-	-	-	-	-	-	-	315,582	1.06	29,765,199	
Loomis Sayles Intermediate Duration - - - 23,211,979 100.00 - - - 23,211,979 13,00 Bloomfield Capital Income Fund V Series B - - - 1,200,599 100.00 - - - 2,501,747 14.00 Marathon Distressed Credit Fund LP - - - 2,501,747 100.00 - - - 2,501,747 14.00 PRISA II - - - - - 2,501,747 160.00 - - - 2,549,141 8.86 28,760,203 16.10 PRISA II - - - - - - 2,549,141 8.86 28,760,203 16.10 PRISA III - - - - - - - 2,549,414 8.86 28,760,203 3.61 PRISA III - - - - - 5,302,871 96.11 - - 2,144,15 3.89 5,517,286 3.09 PRISA III - - - - -	ABS EM Strategic	-	-	-	-	5,681,915	100.00	-	-	-	-	-	-	-	-	-	-	5,681,915	3.18
Bioomfeid Capital Income Fund V Series A - - - - 1.200,599 100.00 - - - 1.200,599 0.67 Bioomfeid Capital Income Fund V Series B - - - - 2,501,747 100.00 - - - 2,501,747 14.00 Marathon Distressed Credit Fund LP - - - - - - - - - - - 2,501,747 14.00 Marathon Distressed Credit Fund LP - - - - - - - - - - 2,549,141 8.86 28,760,203 16.10 PRISA II - - - - - - - 2,14,145 3.89 5,517,266 3.09 PRISA II - - - - - - 4,446,39 6,44 6,007,255 3.87 JCR Capital Fund 3 B - - - - - 769,474 100.00 - - - 769,474 1.04 Landmark Real Estate Partners VIII, LP.	Total Domestic Fixed Income	-	-	-	-	-	-	23,211,979	100.00	-	-	-	-	-	-	-	-	23,211,979	13.00
Bioomfeid Capital Income Fund V Series A - - - - 1.200,599 100.00 - - - 1.200,599 0.67 Bioomfeid Capital Income Fund V Series B - - - - 2,501,747 100.00 - - - 2,501,747 1.40 Marathon Distressed Credit Fund LP - - - - - - - - - 4,036,386 100.00 - - - 4,036,386 100.00 - - - 2,549,141 8.86 28,760,203 16.10 PRISA II - - - - - 5,502,871 96.11 - - 2,444,39 6.44 6.907,255 3.87 PRISA II - - - - - - 6,462,16 93,66 - - - 4,446,39 6,44 6,007,255 3.87 JCR Capital Fund 3 B - - - - - 769,474 10.00 - - - 2,103,474 1.48 Landmark Real Estate Partn								00.044.070	100.00									00.011.070	10.00
Bioomfield Capital Income Fund V Series B . </td <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>23,211,979</td> <td>100.00</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td></td>		-	-	-	-	-	-	23,211,979	100.00	-	-	-	-	-	-	-	-		
Marathon Distensed Credit Fund LP ·		-	-	-	-	-	-	-	-			-	-	-	-	-	-		
Total Real Estate - - - - 26,211,062 91.14 - - 2,549,141 8.86 28,760,203 16.10 PRISA I - - - - 5,302,871 96.11 - - 2,249,141 8.86 28,760,203 16.10 PRISA II - - - - 5,302,871 96.11 - - 214,415 3.89 5,517,286 3.09 PRISA II - - - - 6,462,616 93.56 - - 444,639 6.44 6,007,255 3.87 QRC Apital Fund 3 B - - - - 769,474 100.00 - - - 769,474 0.43 JCR Capital Fund 3 B - - - - - 2,103,470 10.00 - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, LP. - - - - 4,381,696 100.00 - - - 4,381,696 2,245 Artemis Real Estate IV - <t< td=""><td></td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>2,501,747</td><td>100.00</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td></td><td></td></t<>		-	-	-	-	-	-	-	-	2,501,747	100.00	-	-	-	-	-	-		
PRISA I - - - - - - 5,302,871 96.11 - - 214,415 3.89 5,517,286 3.09 PRISA II - - - - - 6,462,616 93.56 - - 4,446,39 6,44 6,907,255 3.87 PRISA III - - - - 4,348,627 69.70 - - 4,446,39 6,44 6,907,255 3.87 JCR Capital Fund 3 B - - - - 769,474 100.00 - - - 769,474 0.43 JCR Income Plus IV - - - - 2,103,470 100.00 - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - - 2,387,243 100.00 - - - 2,387,243 1.34 Artemis Real Estate Partners V - - - - 4,381,696 100.00 - - - 2,438,7245 1.34 Artemis Real Estate IV <t< td=""><td>Marathon Distressed Credit Fund LP</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>4,030,300</td><td>100.00</td><td>-</td><td>-</td><td>4,030,380</td><td>2.20</td></t<>	Marathon Distressed Credit Fund LP	-	-	-	-	-	-	-	-	-	-	-	-	4,030,300	100.00	-	-	4,030,380	2.20
PRISA II - - - - - 6,662,616 93.56 - - - 444,639 6.44 6,907,255 3.87 PRISA III - - - - 4,348,627 69.70 - - - 1,890,087 30.30 6,238,714 3.49 JCR Capital Fund 3 B - - - - 769,474 100.00 - - - - 769,474 0.00 JCR Capital Fund 3 B - - - - 769,474 100.00 - - - - 769,474 0.43 JCR Capital Fund 3 B - - - - - 2,103,470 100.00 - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - 2,387,243 100.00 - - - 2,387,243 1.34 TerraCap Partners V - - - 4,381,696 100.00 - - - 1,409 0.00 Centerbridge Partners Real Estate Fund II	Total Real Estate	-	-	-	-	-	-	-	-	26,211,062	91.14	-	-	-	-	2,549,141	8.86	28,760,203	16.10
PRISA II - - - - - 6,662,616 93.56 - - 4,44,639 6,44 6,907,255 3.87 PRISA III - - - - 4,348,627 69.70 - - 1,890,087 30.30 6,238,714 3.49 JCR Capital Fund 3 B - - - - 769,474 100.00 - - - 769,474 0.43 JCR Capital Fund 3 B - - - - 769,474 100.00 - - - - 769,474 0.43 JCR Capital Fund 3 B - - - - - - - 769,474 100.00 - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - 2,387,243 100.00 - - - 2,387,243 1.34 TerraCap Partners V - - - 4,38,655 100.00 - - - 1,409 0.00 Centerbridge Partners Real Estate Fund II -	PRISAL	_	-		-		-	-	_	5 302 871	96 11	_				214 415	3 89	5 517 286	3 09
PRISA III - - - - - - 4,348,627 69.70 - - - 1,890,087 30.30 6,238,714 3.49 JCR Capital Fund 3 B - - - - - 769,474 100.00 - - - - 769,474 0.43 JCR Capital Fund 3 B - - - - - 769,474 100.00 - - - - - 769,474 0.43 JCR Capital Fund 3 B - - - - - 2,103,470 100.00 - - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - - 2,387,243 100.00 - - - 2,387,243 1.18 Landmark Real Estate Partners VIII, L.P. - - - - 4,381,696 100.00 - - - 2,387,243 1.18 Artemis Real Estate IV - - - - 4,381,696 100.00 - - -		-	-	-	-	-	-	-				-		-	-	-			
JCR Capital Fund 3 B - - - - - 769,474 100.00 - - - 769,474 0.43 JCR Income Plus IV - - - - 2,103,470 100.00 - - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - - 2,387,243 100.00 - - - 2,387,243 1.34 TerraCap Partners V - - - - 4,381,696 100.00 - - - 4,381,696 2,45 Artemis Real Estate IV - - - - - 4,381,696 100.00 - - - 4,381,696 2,45 Artemis Real Estate IV - - - - - 4,381,696 100.00 - - - 4,381,696 2,45 Centerbridge Partners Real Estate Fund II - - - - - - - - - 453,655 0.25 Nantucket Institutional - -		-	-	-	-	-	-	-	-			-	-		-				
JCR Income Plus IV - - - - - - - - - - - - - - - 2,103,470 1.18 Landmark Real Estate Partners VIII, L.P. - - - - - 2,387,243 100.00 - - - - 2,387,243 1.34 TerraCap Partners V - - - - - - - - - - 2,387,243 100.00 - - - - 2,387,243 1.34 TerraCap Partners V - - - - 4,381,696 100.00 - - - 4,381,696 2.45 Artemis Real Estate IV - - - - - 1,409 100.00 - - - 4,381,696 0.25 Centerbridge Partners Real Estate Fund II - - - - - - - - 453,655 100.00 - - - 10,857,074 6.08 Nantucket Institutional - -<	JCR Capital Fund 3 B	-	-	-	-	-	-	-	-		100.00	-	-	-	-	-	-	769,474	0.43
Landmark Real Estate Partners VIII, L.P. - - - - - - - - - - - - - - - - - - 2,387,243 10.00 - - - - - 2,387,243 1.34 TerraCap Partners V - - - - - - - - - - - 4,381,696 100.00 - - - - 4,381,696 2.45 Artemis Real Estate IV - - - - - - - - - 4,381,696 100.00 - - - - 4,381,696 2.45 Artemis Real Estate IV - - - - - - - - 453,655 100.00 - - - - 453,655 0.25 Total Hedge Fund - - - - - - - - - 46.08 Nantucket Institutional - - - - -	-	-	-	-	-	-	-	-	-	2,103,470	100.00	-	-	-	-	-	-	2,103,470	1.18
Artemis Real Estate IV - 1,409 0.00 Centerbridge Partners Real Estate Fund II - - - - - - - - - - 1,409 0.00 Total Hedge Fund - - - - - - - - - - - 453,655 0.25 Nantucket Institutional - - - - - - - - - - 453,655 0.25	Landmark Real Estate Partners VIII, L.P.	-	-	-	-	-	-	-	-	2,387,243	100.00	-	-	-	-	-	-	2,387,243	1.34
Centerbridge Partners Real Estate Fund II - - - - - - - - - - 453,655 100.00 - - - - - 453,655 0.25 Total Hedge Fund - - - - - - - - - - 453,655 0.25 Nantucket Institutional - - - - - - - - - 453,655 0.25	TerraCap Partners V	-	-	-	-	-	-	-	-	4,381,696	100.00	-	-	-	-	-	-	4,381,696	2.45
Total Hedge Fund - - - - - - - - 10,857,074 100.00 - - - 10,857,074 6.08 Nantucket Institutional - - - - - - - 10,857,074 6.08	Artemis Real Estate IV	-	-	-	-	-	-	-	-	1,409	100.00	-	-	-	-	-	-	1,409	0.00
Nantucket Institutional - - - - - - - 10,857,074 100.00 - - - 10,857,074 6.08	Centerbridge Partners Real Estate Fund II	-	-	-	-	-	-	-	-	453,655	100.00	-	-	-	-	-	-	453,655	0.25
Nantucket Institutional - - - - - - - - 10,857,074 100.00 - - - 10,857,074 6.08																			
	Total Hedge Fund	-	-	-	-	-	-	-	-	-	-	10,857,074	100.00	-	-	-	-	10,857,074	6.08
Cash Reserve Acct	Nantucket Institutional	-	-	-	-	-	-	-	-	-	-	10,857,074	100.00	-	-	-	-	10,857,074	6.08
	Cash Reserve Acct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,061,577	100.00	1,061,577	0.59



Comparative Performance																	
	QI	ſR	ΤY	D	1`	(R	3 \	(R	5 \	ΥR	7 ۱	(R	10	YR	Incep	otion	Inception Date
Total Fund	-4.07	(29)	-17.26	(27)	-13.32	(26)	4.22	(25)	4.39	(54)	6.25	(46)	6.52	(41)	7.20	(90)	01/01/1989
Total Fund Policy	-4.20	(35)	-15.10	(13)	-10.84	(12)	4.87	(14)	5.21	(21)	6.75	(23)	6.79	(30)	8.04	(59)	
All Public Plans-Total Fund Median	-4.40		-19.09		-15.26		3.39		4.46		6.13		6.40		8.23		
Population	456		443		441		432		422		399		360		12		
Total Fund (Net of Fees)	-4.17		-17.57		-13.76		3.71		3.90		5.70		N/A		4.80		01/01/2014
Total Domestic Equity	-4.42	(53)	-22.16	(43)	-15.52	(46)	3.81	(86)	5.13	(76)	N/A		N/A		7.84	(78)	01/01/2016
Russell 3000 Index	-4.46	(54)	-24.62	(59)	-17.63	(55)	7.70	(39)	8.62	(37)	10.90	(35)	11.39	(40)	10.33	(37)	
IM U.S. Equity (SA+CF) Median	-4.26		-23.42		-16.70		6.76		7.30		9.86		10.88		9.53		
Population	1,631		1,628		1,621		1,582		1,542		1,474		1,359		1,484		
Total International Equity	-9.63	(55)	-29.85	(66)	-28.61	(69)	0.13	(42)	0.69	(38)	N/A		N/A		5.18	(24)	01/01/2016
MSCI AC World ex USA (Net)	-9.91	(62)	-26.50	(40)	-25.17	(45)	-1.52	(68)	-0.81	(67)	3.29	(67)	3.01	(92)	2.93	(62)	
IM International Equity (SA+CF) Median	-9.43		-27.46		-25.89		-0.46		0.02		3.98		4.90		3.39		
Population	639		638		631		608		575		540		471		548		
Total Fixed Income	-2.11	(12)	-8.05	(14)	-8.02	(13)	1.16	(1)	2.36	(1)	N/A		N/A		2.90	(2)	01/01/2016
Bloomberg Intermed Aggregate Index	-3.84	(93)	-11.04	(89)	-11.49	(90)	-2.33	(98)	-0.05	(98)	0.50	(98)	0.84	(96)	0.60	(98)	
IM U.S. Intermediate Duration (SA+CF) Median	-2.97		-9.54		-10.04		-1.31		0.68		1.14		1.33		1.24		
Population	120		120		120		120		119		118		113		118		
Total Real Estate	0.76	(32)	10.18	(70)	18.42	(62)	18.28	(6)	13.18	(9)	N/A		N/A		12.38	(10)	01/01/2016
NCREIF Fund Index-ODCE (VW)	0.52	(53)	13.08	(33)	22.09	(33)	12.37	(48)	10.24	(57)	9.85	(58)	10.92	(58)	9.69	(59)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		11.79		20.19		12.14		10.65		10.12		11.19		10.00		
Population	22		21		21		21		21		21		21		21		
Total Hedge Fund	0.04	(29)	-17.29	(99)	-18.34	(100)	0.42	(62)	1.69	(47)	N/A		N/A		2.36	(33)	01/01/2016
HFRI FOF: Diversified Index	-0.22	(33)	-4.86	(45)	-4.55	(56)	4.64	(7)	3.53	(8)	3.32	(15)	3.63	(1)	3.38	(15)	
IM Alternative Multi-Strategy (MF) Median	-0.76		-5.29		-3.49		1.64		1.55		1.79		2.20		1.90		
Population	125		124		122		112		93		80		35		81		





Comparative Performance Trailing Returns Southfield Fire & Police Retirement System

As of September 30, 2022

	QT	ſR	ΥT	D	1 \	ŕR	3 \	(R	5 ١	ŕR	7 1	ŕ R	10	YR	Incep	otion	Inception Date
Total Domestic Equity	-4.42		-22.16		-15.52		3.81		5.13		N/A		N/A		7.84		01/01/2016
YCM Dividend Aristocrats S&P 500 Dividend Aristocrats Index TR IM U.S. Large Cap Core Equity (SA+CF) Median Population	-5.83 -5.86 -4.84 153	(84) (84)	-17.20 -17.38 -22.96 153	(12) (13)	-7.45 -7.69 -15.25 152	(7) (7)	6.74 6.37 7.75 149	(70) (74)	9.00 8.81 8.83 146	(45) (51)	10.96 10.79 10.87 142	(47) (53)	11.79 11.64 11.68 122	(39) (55)	12.10 11.95 12.02 121	(43) (56)	07/01/2012
YCM S&P 500 Growth S&P 500 Growth IM U.S. Large Cap Growth Equity (SA+CF) Median Population	-3.82 -3.86 -4.12 181	(43) (44)	-30.21 -30.41 -31.92 181	(38) (40)	-20.84 -21.11 -25.79 181	(29) (30)	N/A 9.92 7.76 179	(20)	N/A 11.42 10.52 175	(29)	N/A 13.07 12.08 164	(25)	N/A 13.19 12.75 154	(33)	2.86 2.81 -0.12 179	(29) (30)	08/01/2020
YCM S&P 500 Value S&P 500 Value IM U.S. Large Cap Value Equity (SA+CF) Median Population	-5.81 -5.82 -5.76 218	(53) (53)	-16.42 -16.56 -16.55 217	(50) (51)	-9.44 -9.63 -9.69 216	(48) (50)	N/A 5.11 6.57 209	(75)	N/A 6.17 6.82 205	(65)	N/A 8.95 9.29 200	(59)	N/A 9.63 10.10 192	(68)	9.12 9.04 10.89 212	(69) (70)	08/01/2020
Reinhart Sm/Mid Cap PMV Russell 2500 Index IM U.S. SMID Cap Equity (SA+CF) Median Population	-4.55 -2.82 -3.42 161	(69) (41)	-15.91 -24.01 -24.27 161	(10) (46)	-11.99 -21.11 -19.40 160	(19) (56)	N/A 5.36 6.19 154	(62)	N/A 5.45 6.39 145	(67)	N/A 8.39 9.16 128	(64)	N/A 9.58 10.24 110	(70)	5.56 4.83 5.80 154	(53) (63)	11/01/2019
Champlain SC Russell 2000 Index IM U.S. Small Cap Core Equity (SA+CF) Median Population	-1.16 -2.19 -3.10 109	(17) (34)	-26.54 -25.10 -23.29 109	(80) (69)	-22.57 -23.50 -19.09 108	(79) (85)	N/A 4.29 6.18 106	(83)	N/A 3.55 5.83 103	(85)	N/A 7.51 8.87 98	(82)	N/A 8.55 10.31 88	(88)	1.88 1.14 3.73 106	(81) (88)	01/01/2020
Fidelity Extended Mkt Index (FSMAX) S&P Completion Index IM U.S. Mid Cap Core Equity (MF) Median Population	-2.72 -2.78 -4.32 248	(19) (21)	-30.00 -30.09 -20.76 241	(96) (96)	-29.51 -29.62 -14.07 239	(99) (99)	N/A 4.16 4.68 229	(64)	N/A 4.72 5.27 208	(59)	N/A 7.84 7.43 172	(42)	N/A 9.31 8.80 133	(35)	-8.85 -8.93 2.15 236	(99) (99)	12/01/2020
Total International Equity	-9.63		-29.85		-28.61		0.13		0.69		N/A		N/A		5.18		01/01/2016
1607 Capital Partners MSCI AC World ex USA IM International Equity (SA+CF) Median Population	-9.83 -9.80 -9.43 639	(59) (59)	-29.69 -26.18 -27.46 638	(66) (37)	-27.90 -24.79 -25.89 631	(65) (40)	0.89 -1.07 -0.46 608	(29) (61)	1.20 -0.34 0.02 575	(29) (57)	5.59 3.78 3.98 540	(26) (55)	5.14 3.48 4.90 471	(43) (84)	5.19 2.90 3.98 319	(27) (78)	07/01/2006
ABS EM Strategic MSCI Emerging Markets IMI (Net) IM Emerging Markets Equity (SA+CF) Median Population	-8.55 -10.79 -10.19 257	(35) (59)	-28.56 -26.79 -26.99 255	(65) (50)	-28.46 -27.51 -27.44 252	(59) (52)	N/A -1.20 -0.57 239	(59)	N/A -1.44 -0.89 212	(63)	N/A 3.96 4.82 197	(69)	N/A 1.27 2.40 154	(82)	-10.56 -12.43 -12.17 239	(45) (54)	12/01/2020

Returns for periods greater than one year are annualized. Returns are expressed as percentages.



Comparative Performance Trailing Returns

Southfield Fire & Police Retirement System

As of September 30, 2022

	QT	R	ΥT	D	1`	YR	3 \	(R	5 \	/R	7 \	(R	10	YR	Incep	otion	Inception Date
Total Domestic Fixed Income	-2.80		-9.59		-10.11		-0.77		1.18		N/A		N/A		2.02		01/01/2016
Loomis Sayles Intermediate Duration	-2.80	(26)	-9.59	(54)	-10.11	(59)	-0.73	(18)	1.22	(11)	N/A		N/A		1.22	(10)	08/01/2016
Bloomberg Intermediate US Govt/Credit Idx	-3.06	(66)	-9.63	(58)	-10.14	(62)	-1.64	(82)	0.38	(85)	0.80	(90)	1.00	(88)	0.33	(92)	
IM U.S. Intermediate Duration (SA+CF) Median	-2.97		-9.54		-10.04		-1.31		0.68		1.14		1.33		0.66		
Population	120		120		120		120		119		118		113		118		
PRISA Real Estate Composite	1.19		13.15		20.91		15.19		12.56		12.01		12.86		8.93		07/01/1993
PRISA I	0.22	(57)	12.65	(39)	19.94	(55)	12.55	(46)	10.64	(51)	10.11	(51)	11.26	(46)	7.79	(53)	01/01/2006
NCREIF Fund Index-ODCE (VW)	0.52	(53)	13.08	(33)	22.09	(33)	12.37	(48)	10.24	(57)	9.85	(58)	10.92	(58)	7.79	(53)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56	. ,	11.79	()	20.19	· · ·	12.14		10.65	~ /	10.12		11.19	. ,	7.88		
Population	22		21		21		21		21		21		21		17		
PRISA II	1.23	(25)	14.01	(21)	21.72	(36)	13.16	(28)	11.35	(24)	11.07	(21)	12.21	(21)	7.66	(59)	01/01/2006
NCREIF Fund Index-ODCE (VW)	0.52	(53)	13.08	(33)	22.09	(33)	12.37	(48)	10.24	(57)	9.85	(58)	10.92	(58)	7.79	(53)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		11.79		20.19		12.14		10.65		10.12		11.19		7.88		
Population	22		21		21		21		21		21		21		17		
PRISA III	2.01	(5)	12.76	(36)	20.92	(40)	19.21	(3)	15.36	(1)	14.89	(1)	N/A		16.24	(1)	04/01/2013
NCREIF Fund Index-ODCE (VW)	0.52	(53)	13.08	(33)	22.09	(33)	12.37	(48)	10.24	(57)	9.85	(58)	10.92	(58)	10.94	(57)	
IM U.S. Open End Private Real Estate (SA+CF) Median	0.56		11.79		20.19		12.14		10.65		10.12		11.19		11.29		
Population	22		21		21		21		21		21		21		21		



Comparative Performance Trailing Returns Southfield Fire & Police Retirement System As of September 30, 2022

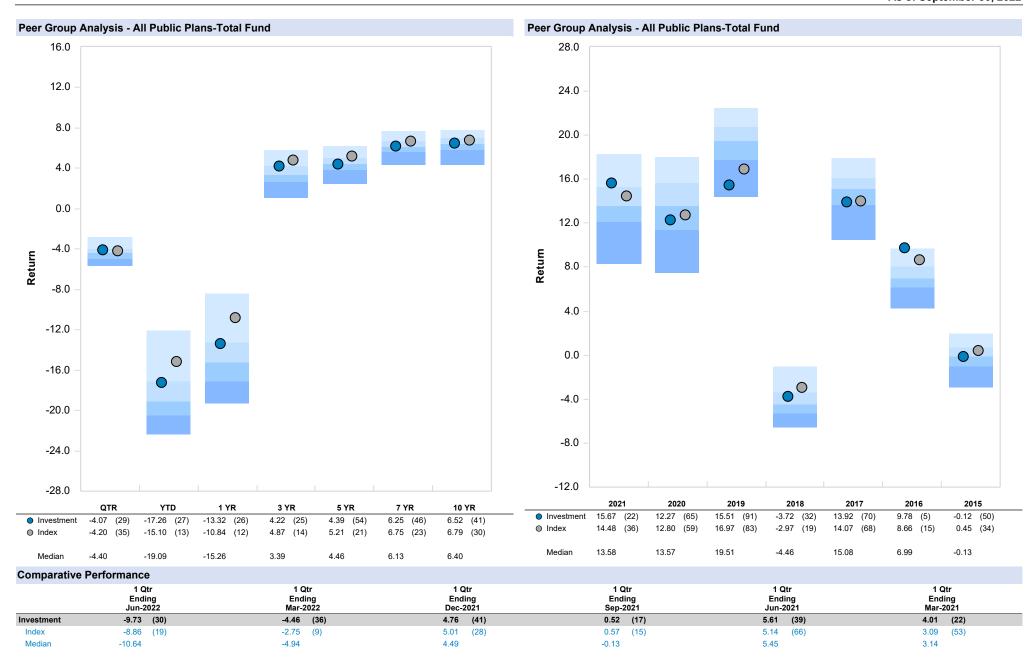
	QTR	2	YT	D	1 \	(R	3 \	(R	5`	ΥR	7 \	/R	10	YR	Incep	otion	Inception Date
Total Hedge Fund	0.04		-17.29		-18.34		0.42		1.69		N/A		N/A		2.36		01/01/2016
Nantucket Institutional	0.07 ((28)	-17.65	(99)	-18.75	(100)	2.19	(41)	3.30	(10)	3.95	(10)	5.55	(1)	4.51	(1)	07/01/2008
HFRI FOF: Diversified Index	-0.22 ((33)	-4.86	(45)	-4.55	(56)	4.64	(7)	3.53	(8)	3.32	(15)	3.63	(1)	2.05	(1)	
IM Alternative Multi-Strategy (MF) Median	-0.76		-5.29		-3.49		1.64		1.55		1.79		2.20		0.83		
Population	125		124		122		112		93		80		35		9		



Comparative Performance - IRR								
	QTR	FYTD	1 YR	3 YR	5 YR	7 YR	Since Inception Ending Sep-2022	Inception Date
JCR Capital Fund 3 B	0.00	11.08	18.77	46.67	12.42	12.54	12.52	06/02/2014
JCR Income Plus IV	0.00	14.40	16.30	18.82	N/A	N/A	15.62	05/04/2018
Landmark Real Estate Partners VIII, L.P.	0.00	2.24	24.60	17.65	N/A	N/A	19.20	12/21/2017
Bloomfield Capital Income Fund V Series A	0.00	3.52	6.16	10.46	N/A	N/A	9.49	03/25/2019
Bloomfield Capital Income Fund V Series B	0.00	2.55	N/A	N/A	N/A	N/A	3.08	08/06/2021
Marathon Distressed Credit Fund LP	0.00	-8.00	-5.43	N/A	N/A	N/A	11.53	01/04/2021
TerraCap Partners V	0.00	0.60	N/A	N/A	N/A	N/A	7.22	11/09/2021
Artemis Real Estate IV	0.00	N/A	N/A	N/A	N/A	N/A	-72.07	06/24/2022
Centerbridge Partners Real Estate Fund II	0.00	N/A	N/A	N/A	N/A	N/A	0.00	07/01/2022



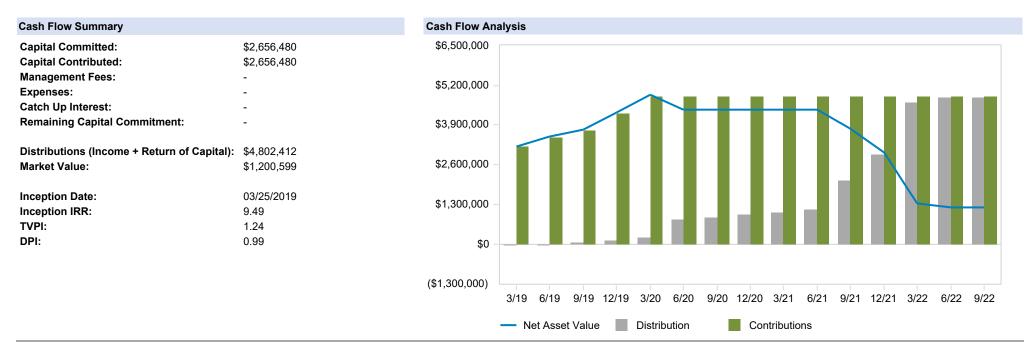
Strategy Review Total Fund | Total Fund Policy As of September 30, 2022





Fund Information			
Type of Fund:	Direct	Vintage Year:	2018
Strategy Type:	Other	Management Fee:	1.5%
Size of Fund:	300,000,000	Preferred Return:	8.5% (Series A only)
Inception:	11/16/2018	General Partner:	Bloomfield Capital Partners V, LLC
Final Close:	11/16/2019		
Investment Strategy:	returns that have a low correlation to traditional public markets (although there ca estate debt and other general debt and debt-related transactions (including REO invest in traditional leveraged common equity positions in real estate; however, th equity positions in connection with certain loans in order to obtain supplemental co foreclosure process with such loan for the benefit of the Fund. The primary focus	often contractual cash f n be no assurances tha properties, and preferre le Fund may acquire RE collateral to enhance the of private credit and sp tion and opportunistic fil	Nows. The Managing Member's goal is to preserve invested capital, and generate at this goal will be realized). The Fund will target middle market opportunities in real ad equity, that would include debt-like characteristics). The Fund generally will not EO and similar non-traditional properties and may also take incidental or pledged e strength of the primary credit investment, and/or to expedite any requisite ecialty finance assets (including real estate debt and other general debt and debt- nancings that are time sensitive, complex, and that the Managing Member believes

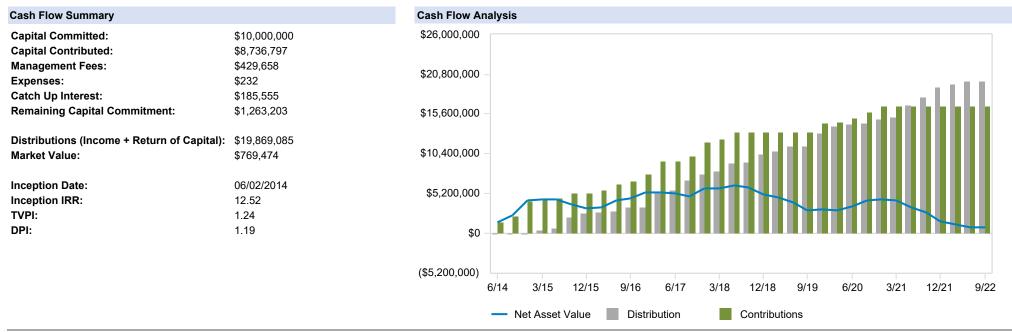
same or similar nature as the Series typically invests.





Fund Information			
Type of Fund:	Direct	Vintage Year:	2014
Strategy Type:	Value-Add Real Estate	Management Fee:	1.50% on Committed Capital plus 20% after 9% Preferred Return
Size of Fund:	329,500,000	Preferred Return:	9.00%
Inception:	06/02/2014	General Partner:	JCR Capital
Final Close:	01/14/2016		
Investment Strategy	: In line with the prior JCR funds, Fund III B is credit-focused with a mandate of p	rotecting principal while	providing investors with attractive risk adjusted returns, including current yield

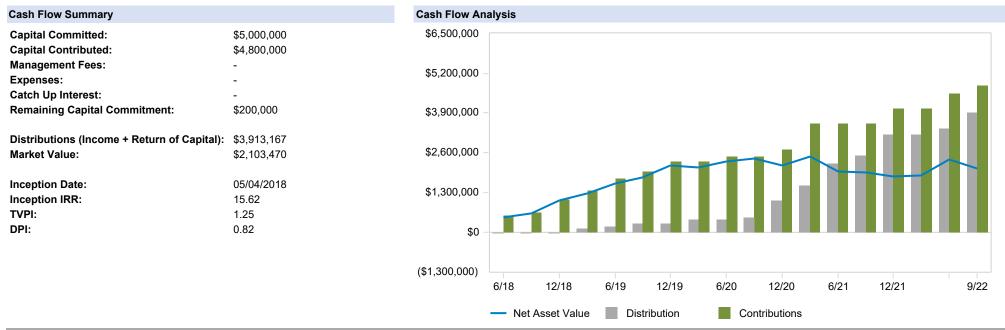
and profit participation components. Fund III B's investment strategy is to provide capital to middle market sponsors for value-add, opportunistic and special situations. The fund targets a variety of asset classes and typically provides high leverage senior debt, mezzanine debt, preferred equity, joint venture equity and programmatic joint venture facilities.





Fund Information			
Type of Fund:	Partnership	Vintage Year:	2017
Strategy Type:	Value-Add Real Estate	Management Fee:	1.50%
Size of Fund:	216,495,000	Preferred Return:	8.00% Incentive Fee 20.00%
Inception:	10/20/2017	General Partner:	JCR Capital Investment Company, LLC
Final Close:	TBD		
Investment Strategy:	The JCR Income Plus Fund IV, L.P. (the "Fund" or "Fund IV") will seek to provide customized capital solutions to middle market commercial real estate operators for diversified portfolio which will primarily consist of high yield debt, participating debt estate properties in the United States. The Fund will seek to invest in a variety of The Fund will generally seek to make investments between \$5 million and \$15 m total target capitalization of \$300 million, with over \$14 million being committed by	or value-add, underperfo ot, structured preferred e property types includin illion in large liquid mark	orming, undermanaged and opportunistic properties. Fund IV will seek to invest in a equity and structured equity positions primarily in cash flowing commercial real g multifamily, industrial, office, retail and unique middle market special situations. tets in the U.S. with durations ranging from six to 36 months. Fund IV will have a

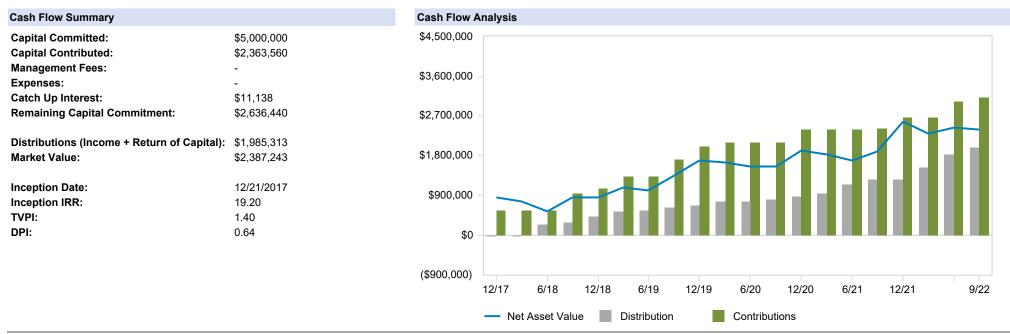
representing \$36 million in investment commitments.





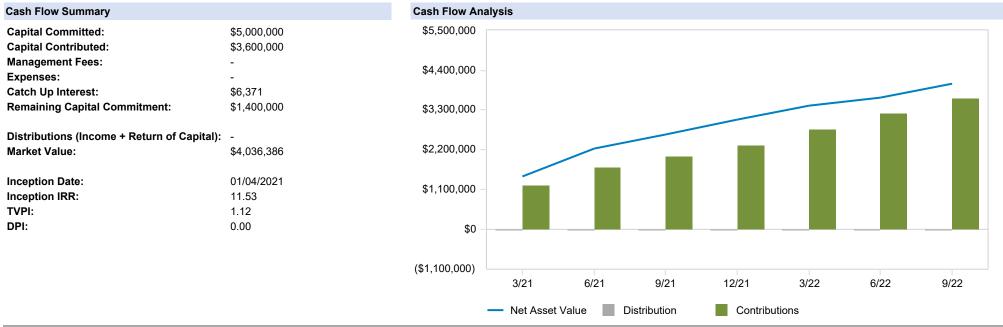
Fund Information			
Type of Fund:	Partnership	Vintage Year:	2016
Strategy Type:	Secondaries	Management Fee:	1.00%
Size of Fund:	3,333,000,000	Preferred Return:	8.00%
Inception:	12/15/2016	General Partner:	Landmark Real Estate Fund-GP VIII, L.P.
Final Close:	March 2018		
Investment Strates	u Landmark Deal Estate Derthere VIII L	Deleware limited pertoerabin (the "Dertoerabin" or the "Fund"	') is being established to provide investors access to a diversified priv

Investment Strategy: Landmark Real Estate Partners VIII, L.P., a Delaware limited partnership (the "Partnership" or the "Fund"), is being established to provide investors access to a diversified private equity portfolio of real estate related investments, primarily through secondary market transactions. The Fund expects to make secondary investments principally in various types of real estate and real estate related entities, such as commingled real estate funds, limited partnerships, joint ventures, real estate operating companies and non-traded REIT vehicles.





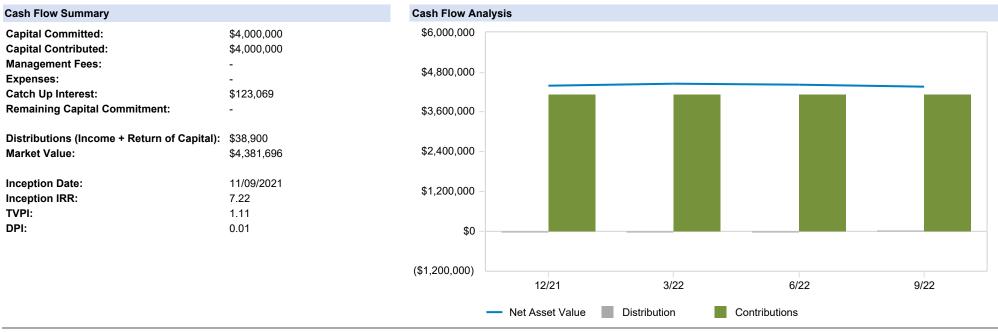
Fund Information			
Type of Fund:	Fund Of Funds	Vintage Year:	2019
Strategy Type:	Distressed	Management Fee:	1.75% for Subscription Size <\$10 million; 1.50% for Subscription Size >\$10 million to <\$25 million; 1.25% for Subscription Size >\$25 million to <\$100 million; 1.00% for Subscription Size >\$100 million
Size of Fund:	2,000,000,000	Preferred Return:	Incentive Fee 20% with 8% hurdle
Inception:	12/03/2019	General Partner:	Marathon Asset Management, LP
Final Close:	Expected December 2020		
Investment Strategy	: Marathon will look to construct a portfolio of distressed, dislocated, and restructu Core holdings of the Fund will include bankruptcy reorganizations, liquidations, re		portunities in complex situations with attractive risk-adjusted return characteristics. Ind exchanges, debtor-in-possession financings, and dislocated credit.





Fund Information			
Type of Fund:	Partnership	Vintage Year:	2020
Strategy Type:	Value-Add Real Estate	Management Fee:	1.5% on Committed Capital During the Investment Period; 1.5% on Invested Capital thereafter
Size of Fund:	400,000,000	Preferred Return:	8.00%
Inception:	01/01/2020	General Partner:	TerraCap Partners GP V LLC
Final Close:	10/1/2022		
Investment Strategy:	 TerraCap Management, LLC considers thematic factors such as business format market-by-market basis, as most metros and submarkets have different economi makes moderate strategic overweighting or underweighting to markets, dependir 	c-based industries and	therefore move through their economic cycles differently. The Investment Manager

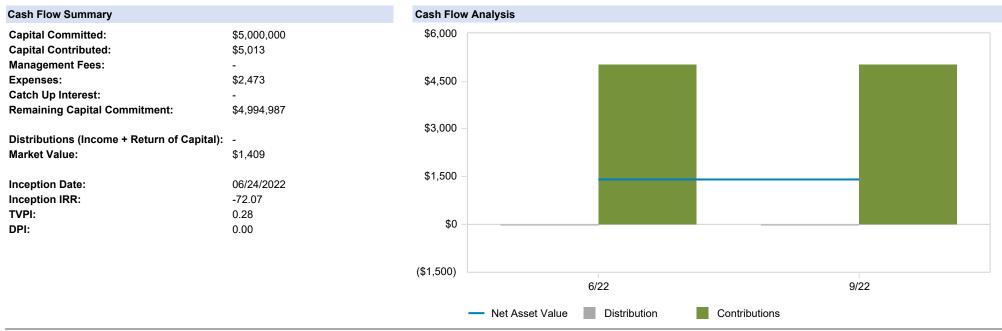
invest the Fund's assets so that no economic industry base will be allowed to dominate any property or the portfolio's performance.





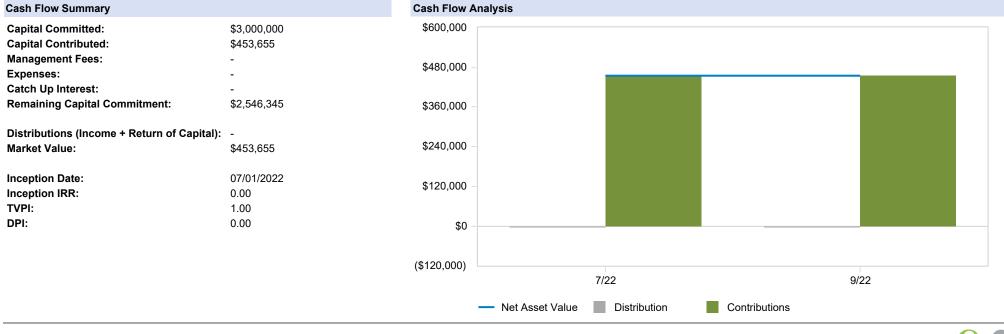
Fund Information				
Type of Fund:	Partnership	Vintage Year:	2022	
Strategy Type:	Value Add - Diversified	Management Fee:	1.50%	
Size of Fund:	1,500,000,000	Preferred Return:	8.00%	
Inception:	12/06/2021	General Partner:	Artemis Real Estate Partners	
Final Close:	03/06/2023			

Investment Strategy: Artemis Fund IV will seek to maximize returns through equity and debt investments in a broad range of real estate and real estate-related businesses located in the United States.





Fund Information			
Type of Fund:	Partnership	Vintage Year:	2021
Strategy Type:	Opportunistic Real Estate	Management Fee:	1.40% per annum of aggregate Limited Partner capital commitments during Commitment Period. 1.15% per annum of Capital Under Management after Commitment Period.
Size of Fund:	1,500,000,000	Preferred Return:	8% per annum compounded
Inception:	09/01/2021	General Partner:	8% per annum compounded
Final Close:	9/30/2021		
Investment Strategy:	Centerbridge to pivot and execute with speed across economic cycles with the fle	exibility to invest across	





Total Portfolio Compliance Summary							
	September 30, 2022	Current	IPS Target	IPS Range	Act 314	Compliance	Compliance
	Market Value \$	Allocation %	Allocation %	Allocation %	Limit %	within Ranges	w/314 Limits
Total Portfolio (excluding Unfunded Commitments)	178,612,281.34	100.0%					
Total Portiono (excluding onlunded communents)	170,012,201.34	100.076					
Total Equity (14)	106,982,717.04	59.9%	56.5%	46.5% - 66.5%	70.0%	YES	YES
		10.10/	00 7 %			1/20	
Domestic Equity (14)	71,535,602.56	40.1%	36.5%	31.5% - 41.5%	70.0%	YES	YES
International Equity (14)	35,447,114.48	19.8%	20.0%	15.0% - 25.0%	70.0%	YES	YES
Total US Fixed Income (17 & 17.1.a.iii)	30,950,710.95	17.3%	17.0%	12.0% - 27.0%	100.0%	YES	YES
US Investment Grade Fixed Income (17)	23,211,978.79	13.0%	17.0%	12.0% - 22.0%	100.0%	YES	YES
US Non-Investment Grade Fixed Income (17.1.a.iii)	7,738,732.16	4.3%	0.0%	0.0% - 5.0%	100.0%	YES	YES
Total Non US Fixed Income (20k)	-	0.0%	0.0%	0.0% - 0.0%	20.0%	YES	YES
		0.070	0.070	0.070 0.070	20.070	120	120
Total Real Estate (18 & 19)	28,760,202.63	16.1%	16.5%	0.0% - 20.0%	20.0%	YES	YES
Alternative Investments (20d)	40.957.074.99	6.1%	10.0%	0.0% - 15.0%	20.0%	YES	YES
Alternative Investments (20d)	10,857,074.22	0.1%	10.0%	0.0% - 15.0%	20.0%	TES	162
Short Term/Cash Reserves	1,061,576.50	0.6%	0.0%	0.0% - 5.0%	N/A	YES	YES

Commission Recapture Program

Broker	2002 thru 2014	2015	2016	2017	2018	2019	2020	2021	YTD 22
Bank of New York*	\$119,215	\$1,325	\$1,613	\$1,000	\$392	\$837	\$0	\$0	\$0
Income to Fund	\$119,215	\$1,325	\$1,613	\$1,000	\$392	\$837	\$0	\$0	\$0

NOTE: * (formerly L, J&R) Participants may include: Loomis Sayles, Fiduciary, WHV, and 1607 Capital

*Participants may include: Loomis Sayles, Fiduciary, WHV, and 1607 Capital

Securities Lending Program (Northern Trust)

	2002 thru 2014	2015	2016	2017	2018	2019	2020	2021	YTD 22
Gross Income	\$697,585	\$123,118	\$147,987	\$134,192	\$134,018	\$97,197	\$72,937	\$40,621	\$64,225
Less: Program Fees	\$384,900	\$49,144	\$59,108	\$53,576	\$53,491	\$40,715	\$29,113	\$16,217	\$25,627
Income To Fund	\$312,685	\$73,974	\$88,879	\$80,616	\$80,527	\$56,482	\$43,824	\$24,404	\$38,598

Notes:

As of report run date statements for Artemis, JCR accounts, Marathon, Landmark and TerraCap were not released for current quarter. KStone remaining balance is a holdback.



Total Fund Policy		
Allocation Mandate	Weight (%)	
May-2021		
Russell 3000 Index	36.50	
MSCI AC World ex USA (Net)	20.00	
Bloomberg Intermed Aggregate Index	17.00	
NCREIF Fund Index-ODCE (VW)	16.50	
HFRI FOF: Diversified Index	10.00	



Southfield Fire & Police Retirement System Fee Analysis As of September 30, 2022

	Estimated Annual Fee (%)	Market Value (\$)	Estimated Annual Fee (\$)	Fee Schedule
YCM S&P 500 Growth	0.09	14,481,188	13,585	0.10 % of First \$10 M 0.08 % of Next \$40 M 0.06 % of Next \$50 M 0.06 % Thereafter
YCM S&P 500 Value	0.09	15,707,112	14,566	0.10 % of First \$10 M 0.08 % of Next \$40 M 0.06 % of Next \$50 M 0.06 % Thereafter
LSIA Dividend Aristocrats 10% Discount on overall fee.	0.09	16,226,163	14,981	0.10 % of First \$10 M 0.08 % of Next \$40 M 0.08 % Thereafter
Reinhart Sm/Mid Cap PMV	0.85	9,973,324	84,773	0.85 % of First \$25 M 0.65 % Thereafter
Champlain SC	1.00	8,609,217	86,092	1.00 % of Assets
Fidelity Extended Mkt Index (FSMAX)	0.04	6,538,598	2,615	0.04 % of Assets
1607 Capital Partners	0.75	29,765,199	223,239	0.75 % of Assets
ABS EM Strategic	0.75	5,681,915	42,614	0.75 % of Assets
Loomis Sayles Intermediate Duration	0.25	23,211,979	58,030	0.25 % of Assets
Bloomfield Capital Income Fund V Series A	1.50	1,200,599	18,009	1.50 % of Assets
Bloomfield Capital Income Fund V Series B	1.50	2,501,747	37,526	1.50 % of Assets
Marathon Distressed Credit Fund LP	1.00	4,036,386	40,364	1.00 % of Assets
PRISA I	0.75	5,517,286	41,380	0.75 % of Assets
PRISA II	0.85	6,907,255	58,712	0.85 % of Assets
PRISA III	1.10	6,238,714	68,626	1.10 % of Assets
JCR Capital Fund 3 B	1.50	769,474	11,542	1.50 % of Assets
JCR Income Plus IV	1.50	2,103,470	31,552	1.50 % of Assets
Landmark Real Estate Partners VIII, L.P.	1.00	2,387,243	23,872	1.00 % of Assets
TerraCap Partners V	1.50	4,381,696	65,725	1.50 % of Assets
Artemis Real Estate IV	1.50	1,409	21	1.50 % of Assets
Centerbridge Partners Real Estate Fund II	1.40	453,655	6,351	1.40 % of Assets
Nantucket Institutional	1.00	10,857,074	108,571	1.00 % of Assets
Total Fund	0.59	178,612,281	1,052,747	



Active Return	- Arithmetic difference between the manager's performance and the designated benchmark return over a specified time period.
Alpha	- A measure of the difference between a portfolio's actual performance and its expected return based on its level of risk as determined by beta. It determines the portfolio's non-systemic return, or its historical performance not explained by movements of the market.
Beta	- A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of the portfolio's systematic risk.
Consistency	- The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. Higher consistency indicates the manager has contributed more to the product's performance.
Distributed to Paid In (DPI)	- The ratio of money distributed to Limited Partners by the fund, relative to contributions. It is calculated by dividing cumulative distributions by paid in capital. This multiple shows the investor how much money they got back. It is a good measure for evaluating a fund later in its life because there are more distributions to measure against.
Down Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of negative returns. A lower value indicates better product performance
Downside Risk	- A measure similar to standard deviation that utilizes only the negative movements of the return series. It is calculated by taking the standard deviation of the negative quarterly set of returns. A higher factor is indicative of a riskier product.
Excess Return	- Arithmetic difference between the manager's performance and the risk-free return over a specified time period.
Excess Risk	- A measure of the standard deviation of a portfolio's performance relative to the risk free return.
Information Ratio	- This calculates the value-added contribution of the manager and is derived by dividing the active rate of return of the portfolio by the tracking error. The higher the Information Ratio, the more the manager has added value to the portfolio.
Public Market Equivalent (PME)	- Designs a set of analyses used in the Private Equity Industry to evaluate the performance of a Private Equity Fund against a public benchmark or index.
R-Squared	- The percentage of a portfolio's performance that can be explained by the behavior of the appropriate benchmark. A high R-Squared means the portfolio's performance has historically moved in the same direction as the appropriate benchmark.
Return	- Compounded rate of return for the period.
Sharpe Ratio	- Represents the excess rate of return over the risk free return divided by the standard deviation of the excess return. The result is an absolute rate of return per unit of risk. A higher value demonstrates better historical risk-adjusted performance.
Standard Deviation	- A statistical measure of the range of a portfolio's performance. It represents the variability of returns around the average return over a specified time period.
Total Value to Paid In (TVPI)	- The ratio of the current value of remaining investments within a fund, plus the total value of all distributions to date, relative to the total amount of capital paid into the fund to date. It is a good measure of performance before the end of a fund's life
Tracking Error	- This is a measure of the standard deviation of a portfolio's returns in relation to the performance of its designated market benchmark.
Treynor Ratio	- Similar to Sharpe ratio but utilizes beta rather than excess risk as determined by standard deviation. It is calculated by taking the excess rate of return above the risk free rate divided by beta to derive the absolute rate of return per unit of risk. A higher value indicates a product has achieved better historical risk-adjusted performance.
Up Market Capture	- The ratio of average portfolio performance over the designated benchmark during periods of positive returns. A higher value indicates better product performance.



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