

---

**PIRC**

**LOCAL AUTHORITY  
PENSION PERFORMANCE ANALYTICS**

---



**Harrow Pension Fund**

**Quarterly Performance Summary**

Periods to end March 2019

---



## Performance Overview

### Fund Performance

	Quarter	1 Year	3 Years (% p.a.)	5 Years (% p.a.)
Fund	7.2	6.0	11.0	9.1
Benchmark	7.5	7.9	11.8	9.6
Relative	-0.2	-1.8	-0.7	-0.4

### Manager Performance

	Latest Quarter			1 Year			3 Years (% p.a.)		
	Portfolio	BM	Relative	Portfolio	BM	Relative	Portfolio	BM	Relative
Longview	7.3	9.9	-2.4	16.6	12.0	4.1	11.7	11.1	0.6
SSGA	9.8	9.8	-0.1	10.3	10.7	-0.4	14.7	14.8	-0.2
GMO	7.0	7.4	-0.4	-4.4	-0.2	-4.2	10.9	14.4	-3.0
Oldfield	5.7	9.9	-3.9	6.6	12.0	-4.8	16.6	14.6	1.8
Pantheon*	-7.4	9.9	-15.8	11.0	10.8	0.2	11.2	14.9	-3.2
LaSalle**	-0.4	0.5	-0.9	4.2	5.6	-1.3	5.4	6.8	-1.3
BlackRock	7.0	6.7	0.3	5.3	5.4	-0.1	7.5	7.2	0.3
Insight	4.6	1.3	3.3	2.5	4.9	-2.3	4.7	4.6	0.1
SLIM	4.0	1.4	2.6	0.1	5.7	-5.3	0.9	5.5	-4.4

\*The Pantheon performance uses the previous quarter value adjusted for cash flows in the month. As a long term investment the longer term results are the key indicators for this portfolio.

\*\* Previously Aviva



## Asset Allocation

### Asset Allocation

	Start Quarter		End Quarter		% BM
	GBP'000s	%	GBP'000s	%	
<b>Equity</b>	<b>431,514</b>	<b>54</b>	<b>467,263</b>	<b>55</b>	<b>50</b>
Longview	97,896	12	105,031	12	10
BlackRock	197,822	25	217,821	26	24
GMO	68,970	9	73,784	9	8
Oldfield	66,826	8	70,627	8	8
<b>Private Equity</b>	<b>13,260</b>	<b>2</b>	<b>11,522</b>	<b>1</b>	<b>5</b>
Pantheon	13,260	2	11,522	1	5
<b>Property</b>	<b>68,793</b>	<b>9</b>	<b>68,793</b>	<b>8</b>	<b>10</b>
LaSalle	69,000	9	68,171	8	10
<b>Bonds</b>	<b>101,002</b>	<b>13</b>	<b>101,002</b>	<b>12</b>	<b>13</b>
BlackRock	101,002	13	108,159	13	13
<b>Diversified Growth</b>	<b>183,206</b>	<b>23</b>	<b>191,029</b>	<b>22</b>	<b>22</b>
Insight	91,669	11	95,800	11	11
SLIM	91,537	11	95,229	11	11
<b>Cash*</b>	<b>1,667</b>	<b>0</b>	<b>5,188</b>	<b>1</b>	<b>0</b>
<b>Total Fund</b>	<b>799,750</b>	<b>100</b>	<b>851,332</b>	<b>100</b>	<b>100</b>

\* Includes Record Hedge



## Performance Attribution by Manager

	Longview	Passive	GMO	Oldfield	Pantheon	LaSalle	BlackRock	Insight	SLIM	Cash	Total
End Dec 2018 (£'000s)	97,896	197,822	68,970	66,826	13,260	69,000	101,002	91,669	91,637	1,667	<b>799,750</b>
End Mar 2019 (£'000s)	105,031	217,821	73,784	70,627	11,522	68,171	108,159	95,800	95,229	5,188	<b>851,332</b>
<b>Latest Quarter</b>											
Fund	7.3	9.8	7.0	5.7	-7.4	-0.4	7.0	4.6	4.0		7.2
BM	9.9	9.8	7.4	9.9	9.9	0.5	6.7	1.3	1.4		7.5
Relative	-2.4	-0.1	-0.4	-3.9	-15.8	-0.9	0.3	3.3	2.6		-0.2
<i>Manager Impact</i>	-0.3	0.0	0.0	-0.3	-0.2	-0.1	0.0	0.4	0.3		-0.3
<i>Allocation Impact</i>	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	0.1
<b>One Year</b>											
Fund	16.6	10.3	-4.4	6.6	11.0	4.2	5.3	2.5	0.1		6.0
BM	12.0	10.7	-0.2	12.0	10.8	5.6	5.4	4.9	5.7		7.9
Relative	4.1	-0.4	-4.2	-4.8	0.2	-1.3	-0.1	-2.3	-5.3		-1.8
<i>Manager Impact</i>	0.5	-0.1	-0.4	-0.4	0.0	-0.1	0.0	-0.2	-0.6		-1.3
<i>Allocation Impact</i>	-0.1	-0.1	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
<b>Three Years (% p.a.)</b>											
Fund	11.7	14.7	10.9	16.6	11.2	5.4	7.5	4.7	0.9		11.0
BM	11.1	14.8	14.4	14.6	14.9	6.8	7.2	4.6	5.5		11.8
Relative	0.6	-0.2	-3.0	1.8	-3.2	-1.3	0.3	0.1	-4.4		-0.7
<i>Manager Impact</i>	0.1	0.0	-0.3	0.3	0.0	-0.1	0.0	-0.1	-0.6		-0.6
<i>Allocation Impact</i>	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.2	-0.1
<b>Five Years (% p.a.)</b>											
Fund	10.7	10.1			14.2	8.4	8.2				9.1
BM	8.3	10.2			12.4	9.5	8.1				9.6
Relative	2.2	-0.1			1.5	-1.0	0.1				-0.4

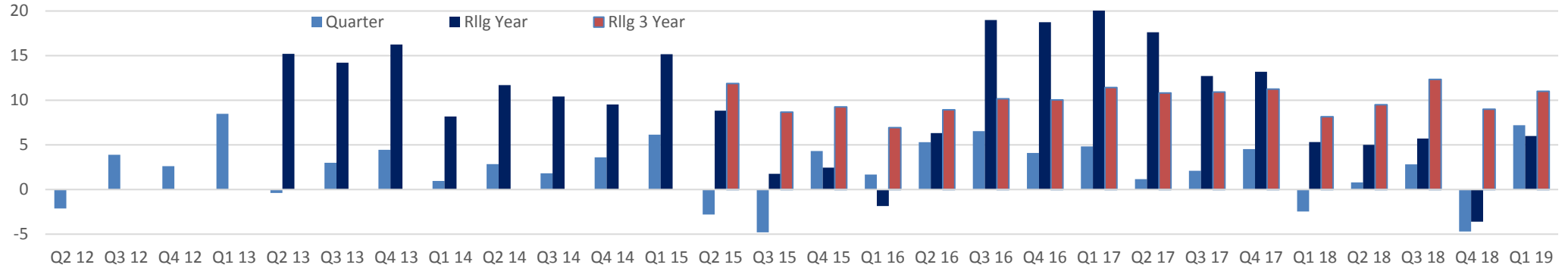
Insight was appointed in January 2015 therefore do not yet have 5 year performance available

GMO and Oldfields were appointed November 2014 and SLIM appointed June 2013 therefore no 5 year results available.



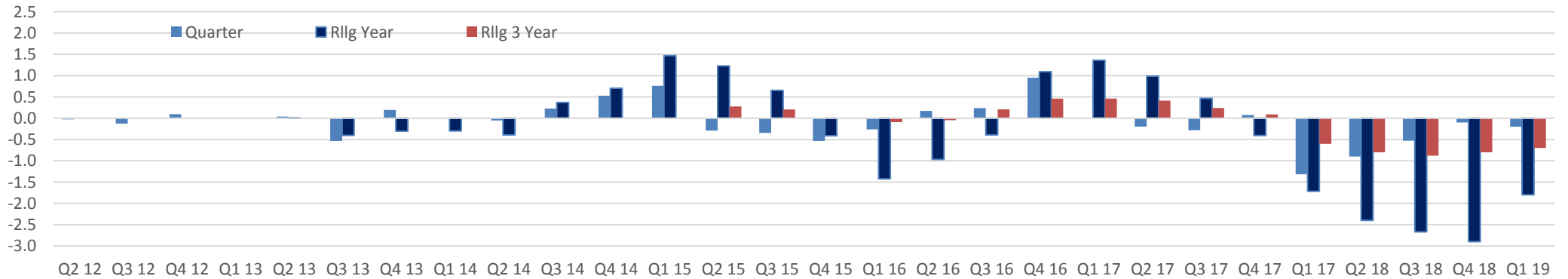
## Longer Term Performance

### Absolute Returns



The Fund has produced a positive return in almost every quarter of the last five years and most rolling one and three year periods. Compared to other funds Harrow ranked 60th percentile in the latest year and 24th over the last three years (interim Universe results).

### Relative Returns



The Fund has performed within a tight range of its Benchmark - within +/- 2% quarterly and longer term. After a period ahead of Benchmark the Fund remains below benchmark as the recent underperformance continues to feed in to the longer term.



## Benchmark Allocation

The Fund restructured in late 2017 and the Benchmark was altered from the start of 2018 to reflect the changes:

%	To 31/12/2017	From 1/1/2018	
<b>Equity</b>	<b>62</b>	<b>50</b>	
Global Passive	31		24
Developed Active	21		18
Emerging Markets Active	10	8	
<b>Bonds</b>	<b>13</b>	<b>13</b>	
UK Bonds	10.4		10
Index Linked Gilts	2.6	3	
<b>Property</b>	<b>10</b>	<b>10</b>	
<b>Diversified Growth</b>	<b>10</b>	<b>22</b>	
<b>Private Equity</b>	<b>5</b>	<b>5</b>	