### **PIRC**

# LOCAL AUTHORITY PENSION PERFORMANCE ANALYTICS



#### **Harrow Pension Fund**

**Quarterly Performance Summary** 

Periods to end September 2018





#### **Performance Overview**

#### **Fund Performance**

			3 Years	5 Years
	Quarter	1 Year	(% p.a.)	(% p.a.)
Fund	2.8	5.7	12.3	9.8
Benchmark	3.4	8.6	13.3	10.1
Relative	-0.5	-2.7	-0.9	-0.3

#### **Manager Performance**

	Latest Quarter			1 Year			3 Years (% p.a.)		
	Portfolio	BM	Relative	Portfolio	BM	Relative	Portfolio	BM	Relative
Longview	8.6	6.3	2.2	17.5	14.8	2.3	14.5	13.6	0.8
SSGA	5.3	5.7	-0.4	12.9	13.4	-0.4	19.5	19.8	-0.2
GMO	-3.8	0.1	-3.9	-5.1	2.0	-7.0	12.5	18.1	-4.7
Oldfield	3.2	6.3	-2.9	8.2	14.8	-5.8	19.9	19.6	0.3
Pantheon*	1.1	5.7	-4.3	12.9	12.9	0.0	17.0	19.6	-2.2
Aviva	1.3	1.7	-0.4	7.4	8.9	-1.4	6.3	7.5	-1.1
BlackRock	-0.9	-0.9	0.0	0.1	0.2	-0.1	6.6	6.2	0.3
Insight	2.1	1.2	0.9	2.2	4.6	-2.3	4.7	4.5	0.2
SLIM	0.4	1.2	-0.8	-1.6	4.6	-5.9	-0.3	4.5	-4.6

<sup>\*</sup>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.





#### **Asset Allocation**

#### **Asset Allocation**

	Start Qu	Start Quarter			End Quarter		
	GBP'000s	%		GBP'000s	%		% BM
Equity	452,211	54		471,108	56		50
Longview	97,940	12		106,376	13		10
Passive*	210,080	25		221,144	26		24
GMO	74,409	9		71,606	8		8
Oldfield	69,782	8		71,982	8		8
Private Equity	14,116	2		13,419	2		5
Pantheon	14,116	2		13,419	2		5
Property	68,371	8		68,793	8		10
Aviva	68,371	8		68,793	8		10
Bonds	101,866	12		101,120	12		13
BlackRock	101,866	12		101,120	12		13
<b>Diversified Growth</b>	187,210	23		189,292	22		22
Insight	93,922	11		95,738	11		11
SLIM	93,288	11		93,554	11		11
Cash	6,814	1		3,212	0		0
Total Fund	830,588	100		846,943	100		100

The Fund asset allocation remained broadly unchanged over the quarter.

<sup>\*</sup>The passive equity assets were moved from SSGA to Blackrock on September 7th.

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### **Performance Attribution by Manager**

	Longview	Passive	GMO	Oldfield	Pantheon	Aviva	BlackRock	Insight	SLIM	Cash	Total
EndSep 2018 (£'000s)	106,376	221,144	71,606	71,982	13,419	68,793	101,120	95,738	93,554	3,212	846,943
Latest Quarter											
Fund	8.6	5.3	-3.8	3.2	1.1	1.3	-0.9	2.1	0.4		2.8
BM	6.3	5.7	0.1	6.3	5.7	1.7	-0.9	1.2	1.2		3.4
Relative	2.2	-0.4	-3.9	-2.9	-4.3	-0.4	0.0	0.9	-0.8		-0.5
Manager Impact	0.3	-0.1	-0.3	-0.2	-0.1	0.0	0.0	0.1	-0.1		-0.5
Allocation Impact	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
One Year											
Fund	17.5	12.9	-5.1	8.2	12.9	7.4	0.1	2.2	-1.6		5.7
BM	14.8	13.4	2.0	14.8	12.9	8.9	0.2	4.6	4.6		8.6
Relative	2.3	-0.4	-7.0	-5.8	0.0	-1.4	-0.1	-2.3	-5.9		-2.7
Manager Impact	0.3	-0.1	-0.6	-0.5	0.0	-0.1	0.0	-0.4	-0.8		-2.3
Allocation Impact	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2
Three Years											
Fund	14.5	19.5	12.5	19.9	17.0	6.3	6.6	4.7	-0.3		12.3
BM	13.6	19.8	18.1	19.6	19.6	7.5	6.2	4.5	4.5		13.3
Relative	0.8	-0.2	-4.7	0.3	-2.2	-1.1	0.3	0.2	-4.6		-0.9
Manager Impact	0.1	0.0	-0.5	0.1	0.0	-0.1	0.0	-0.1	-0.4		-0.7
Allocation Impact	0.0	0.1	0.1	0.0	-0.1	0.1	0.1	0.1	0.1	-0.3	0.0
Five Years											
Fund	13.1	11.5			16.7	9.7	7.3				9.8
BM	10.9	11.6			12.8	10.7	7.5				10.1
Relative	2.0	-0.1			3.4	-0.9	-0.2				-0.3

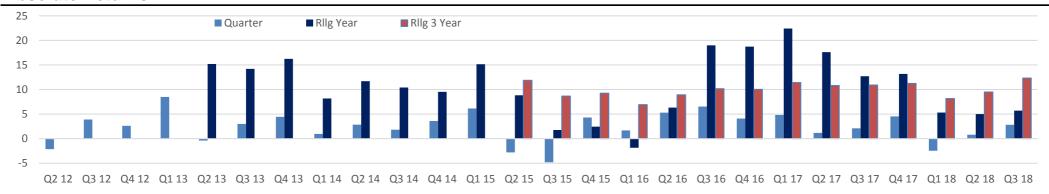
Insight was appointed in January 2015 therefore do not yet have 5 year performance available

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



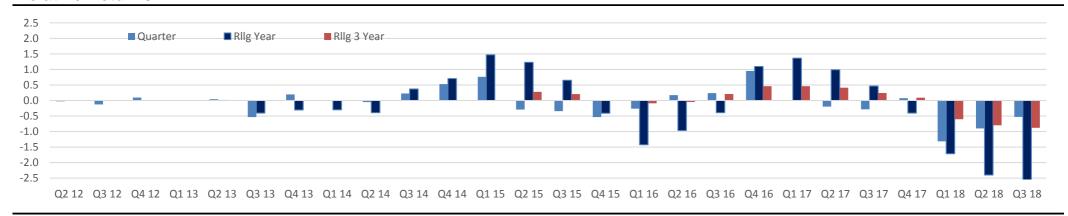
#### **Longer Term Performance**

#### **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.

#### **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 is now trailing outwith that band as the recent underperformance feeds 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	
Equity	62	50	
	31	24	FTSE AW (50% Hedged)*
	21	18	MSCI World NDR (50% Hedged)
	10	8	MSCI Emerging Markets
Bonds	13	13	
	10.4	10	BAML Eurosterling > 10 years
	2.6	3	FTSE Index Linked Gilts > 5 years
Property	10	10	IPD All Balanced Funds
Diversified Growth	10	22	3 Month LIBOR +4%
Private Equity	5	5	FTSE All World **

<sup>\*</sup> from Q2 2016, previously MSCI AW 50% Hedged

<sup>\*\*</sup>from Q2 2014, previously LIBID