

NORTH YORKSHIRE COUNTY COUNCIL

PENSION FUND COMMITTEE

24 NOVEMBER 2016

PERFORMANCE OF THE FUND'S PORTFOLIO FOR THE QUARTER
ENDING 30 SEPTEMBER 2016

Report of the Treasurer

1.0 PURPOSE OF REPORT

- 1.1 To report the investment performance of the overall Fund, and of the individual Fund Managers, for the period to 30 September 2016.

2.0 PERFORMANCE REPORT

- 2.1 The Fund Analysis & Performance Report (**Appendix 1**) produced by BNY Mellon Asset Servicing (MAS) provides a performance analysis of the North Yorkshire Pension Fund for the quarter ending 30 September 2016.
- 2.2 The report highlights the performance of the total Fund by asset class against the customised Fund benchmark. It also includes an analysis of the performance of each manager against their specific benchmark and a comparison of performance levels over time.

3.0 PERFORMANCE OF THE FUND

- 3.1 The absolute overall return for the quarter (+10.2%) was above the customised benchmark for the Fund (+7.3%) by 2.9%.
- 3.2 The 12 month absolute rolling return was +23%, 2% above the customised benchmark of +21%.
- 3.3 Absolute and relative returns over the rolling years to each of the last four quarter ends were as follows.

Year End	Absolute %	Relative %
30 September 2016	+23.0	+2.0
30 June 2016	+7.3	-2.3
31 March 2016	+0.4	-0.7
31 December 2015	+6.2	+1.8

- 3.4 The performance of the various managers against their benchmarks for the quarter ended 30 September 2016 is detailed on **page 8** of the MAS report and in **Section 4** below. This performance is measured on a time-weighted basis and expressed as a +/- variation to their benchmark.

- 3.5 The Appendices used in this report have been designed to present a fuller picture of recent investment performance.

Appendix 2 Fund Manager Performance over the three years to 30 September 2016 in absolute percentage terms from a starting point of “100”

Appendix 3 Solvency graph – this shows the key Asset, Liability and Deficit figures in a simple graphical format

Appendix 4 Solvency position (in % and £ terms) since the 2004 Triennial Valuation; this Appendix also shows in absolute terms the +/- in the value of assets and liabilities of the Fund

- 3.6 The separate reports of the Investment Adviser and Investment Consultant explain developments in the financial markets and in NYPF’s investments, and also look ahead over the short, medium and longer term.

4.0 FUND MANAGER PERFORMANCE

- 4.1 In monetary terms, the absolute return of +10.2% in the Quarter increased the invested value of the Fund by £260m. This Quarter, 11 managers/funds outperformed their respective benchmarks and 2 underperformed against their respective benchmarks. At the end of the September 2016 quarter the value of the Fund was £524m above the value at the end of September 2015, an increase of 23%.

Overseas Equities

- 4.2 **Fidelity** produced a relative return in the quarter that matched the benchmark return of +9.2%. Relative performance over the year to September 2016 was -1.6% against the benchmark of 29.2%. Over the last 5 years the manager has exceeded the benchmark by +1.1% p.a. (gross of fees).

Global Equities

- 4.3 The Global Alpha fund managed by **Baillie Gifford** returned +3.8% for the quarter against a benchmark return of +8.5%. Relative performance over the longer term was +2.2% over 1 year and +2.7% p.a. over 5 years. Since inception in 2006, the Fund has outperformed the FTSE All World by 2.2% p.a.

The LTGG fund, also managed by **Baillie Gifford** produced a return for the quarter of +8.4% against a benchmark return of +8.5%. LTGG is a relatively concentrated fund and short term volatility is to be expected. Relative performance over the longer term was 10.4% over 1 year and +5.4% p.a. over 5 years.

The Global equity funds for **Veritas** and **Dodge & Cox** produced a relative return of -0.6% and +4.4% respectively against the MSCI All Country World benchmark of +8.5%. Both managers invest on a global unconstrained basis so this benchmark is for performance measurement purposes only. Since inception in April 2015 Veritas returned +2.1% p.a. and Dodge & Cox -2.9% p.a. against the benchmark return of 9.1%.

UK Equities

- 4.4 **Standard Life** produced an absolute return of +15.5% for the quarter. This represents an outperformance against a benchmark return of +4%. Relative performance for the year was -0.3% against the benchmark of 10.7%. Relative annualised performance over the longer term was -3.4% p.a. over 3 years and +1.2% p.a. over five years.

Fixed Income

- 4.5 **ECM** produced +1.9% relative against cash (+0.1%) for the quarter and also +4.4% relative for the year. Annualised performance for the 5 years to September 2016 was +3.5% relative against a benchmark of +0.5%.
- 4.6 The investment in Gilts with **M&G** slightly outperformed the liability matching benchmark of +11.6% for the quarter to September 2016 by +0.3%. Performance for the year was +1.4% above the benchmark return of 31.1%, and annualised performance since inception in 2010 was +0.9% pa above the benchmark of +12.8%.

Property

- 4.7 The investments with **Hermes, L&G and Threadneedle** produced +1.3%, +3.9% and +5% respectively in relative terms, against the property index for each manager in the quarter to September 2016.
- 4.8 Over the year to September 2016 **Hermes and Threadneedle** outperformed against the benchmark, returning in absolute terms +7% and 4% respectively against a benchmark of 4.3% and 3.4% respectively. **L&G** underperformed returning +2.9% in absolute terms against the benchmark of +3.4%.
- 4.9 These figures are distorted by the temporary exit arrangements put in place after the Brexit vote.

Diversified Growth Funds

- 4.9 The Investment with the **Standard Life** Global Absolute Return Strategy (GARS) Fund produced a relative over-performance for the quarter of +0.4% against a cash benchmark of +0.1%. The **Newton Investments** Real Return Fund also produced a relative over-performance for the quarter of +1.3% against the same cash benchmark.
- 4.10 Over the period since inception in March 2013, in absolute terms, Standard Life returned +2.3% p.a. against cash of +0.5% and a performance target of +5.5%. Newton achieved +4% p.a. against cash of +0.5% and a performance target of +4.5%.

5.0 RISK INDICATORS

- 5.1 The Report (**pages 10 and 11**) includes three long-term risk indicators.

- 5.2 The Fund's annualised **Standard Deviation**, which is a reflection of volatility, was 7.5% for the rolling three year period to September 2016, 0.9% above the benchmark.
- 5.3 The **Sharpe Ratio** is a measure of how well the return compensates an investor relative to the risk taken. A higher Sharpe Ratio reflects a better return for a given level of risk or lower risk for a given level of return. The ratio for the Fund for the rolling three year period to September 2016 matches the benchmark at 1.6%.
- 5.4 The **Tracking Error** figure reflects how closely a fund manager's actual return follows their respective benchmark. As at September 2016 the figure was 2.4%.
- 5.5 The **Information Ratio** is a measure of excess returns in relation to the benchmark and the consistency of those returns. A high IR could be derived from a high portfolio return, a low benchmark return and a low tracking error. For the period up to September 2016 the ratio for the Fund was +0.6%.

6.0 **SOLVENCY**

- 6.1 The **solvency position** is presented in **Appendices 3 and 4**. As at 30 September 2016 the estimated solvency was 93%. This is a 5% increase from the solvency figure as at 31 March 2016, calculated by the Actuary during the 2016 Valuation process.
- 6.2 This increase in solvency is primarily due to asset outperformance in the first 6 months of the financial year. In this time the gross return on the Fund's assets was 15.4%.

7.0 **REBALANCING**

- 7.1 There has been no rebalancing in the quarter ending 30 September 2016.

8.0 **PROXY VOTING**

- 8.1 The report from PIRC is available on request summarising the proxy voting activity in the period July 2016 to September 2016. This report covers the votes cast on behalf of NYPF at all relevant company AGMs in the period and includes an analysis of voting recommendations at selected meetings and responses to company engagement.

9.0 **RECOMMENDATION**

- 9.1 Members are asked to note the investment performance of the Fund for the period ending 30 September 2016.



GARY FIELDING
Treasurer
Central Services
County Hall
Northallerton

5 November 2016



BNY MELLON
ASSET SERVICING

North Yorkshire Pension Fund

3 Months Ending 30 September 2016

Fund Analysis & Performance Report



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Executive Summary

Market Review

Market Briefing - Quarter Ended 30 September 2016

Market Summary

During the 3rd quarter of 2016, returns were primarily positive. Most Equities, alongside Fixed Income and cash, achieved positive returns.

UK Equities

In Quarter Three 2016, the FTSE Small Cap was the best performing index with a return of 12.1%, followed by the FTSE 250 with a return of 10.7%. The FTSE 100 was the weakest performing sector with a return of 7.1%. Over the one year period ending 30th September 2016, the FTSE 100 was the best performing index with a return of 18.4%, followed by the FTSE 350 with a return of 16.9%. The FTSE 250 was the weakest performing sector with a return of 10.2%.

Technology was the best performing sector with a return of 36.1% for the quarter. The weakest performing sector was Telecommunications with a return of -2.8%. Over the one year period, returns ranged from 59.9% for Technology, to 2.2% for Consumer Services. Basic Materials was the second best performing sector with a return of 47.2%.

Overseas Equities

Most Overseas Equity markets achieved positive returns during the quarter.

Within Europe, Austria was the best performing country with a return of 19.4%. This was followed by Germany with a return of 13.3%. The weakest performing country was Denmark with a return of -2.8%. Over the one year period, Belgium was the strongest performing country with a return of 38.3%, and Greece the weakest with a return of -33.0%.

Outside of Europe, Taiwan was the best performing country with a return of 15.4%. Taiwan was followed by Brazil with a return of 15.2%. Mexico was the weakest performing country with a return of 0.8%.

Executive Summary

Market Review

UK Bonds

For UK-Bonds the third quarter returns were positive for all the sectors. Non Gilts outperformed UK-Gilts with a return of 6.0% compared to 2.3%. Within Gilts, Long-dated Gilts was the strongest performing sector with a return of 4.2%. Short-dated Gilts was the weakest performing sector with a return of 0.2%.

Over the one year period ending 30th September 2016, Non Gilts was the best performing sector with a return of 14.3% compared to the return of 12.6% for UK-Gilts. Within Gilts, Long-dated Gilts provided the strongest performance with a return of 23.0%, whilst the weakest came from Short-dated Gilts with 2.7%.

Overseas Bonds

The third quarter saw positive returns for most Overseas Bonds. Within Europe, Spain was the best performing country with a return of 6.4%. Sweden was the weakest performing country with a return of 2.3%. Outside Europe, Australia was the best performing country with a return of 6.7%. Japan was the weakest performing country outside Europe with a return of 2.0%.

Over the twelve month period, most European Bonds saw positive returns. Spain provided the strongest performance with a return of 27.6%, followed by Belgium with a return of 27.3%. Outside Europe, the best performance came from the Japan with a return of 47.1%. The weakest performing country was USA with a return of 21.8 %.

UK Index-Linked Gilts

UK Index Linked-Gilts achieved a positive return of 10.1% for the third quarter of 2016. Within this sector, Long-dated Index-Linked Gilts provided the strongest performance with a return of 12.9%, whereas the weakest performance was provided by Short-dated Index-Linked Gilts with return of 0.9%.

Over the one year period to 30th September 2016, on an overall basis UK Index-Linked Gilts achieved a return of 24.1%. Over the same period, Long-dated Index-Linked Gilts was the strongest performing sector with a return of 32.4%, whereas Short-dated Index Linked Gilts showed the weakest performance, returning 2.9%.

UK Cash

Cash achieved a return of 0.1% over the quarter and 0.3% over the last twelve months.

Fund Performance, Risk and Allocation Highlights

During the third quarter of 2016, the fund returned 10.22% versus its benchmark of 7.32%, thereby outperforming by 2.90%. In terms of longer period performance, the fund has outperformed over 3 years by 1.48% p.a.

At asset class level, over the quarter, the fund outperformed its blended benchmark in the majority of asset classes. Global Equity Units and UK Equities are the best performing sectors which outperformed its benchmark by 4.81% and 4.72% respectively.

Over the quarter, majority of the accounts outperformed their benchmarks. The best performance (excluding the Cash Account) was shown by Baillie Gifford LTGG which outperformed its benchmark by 8.46%.

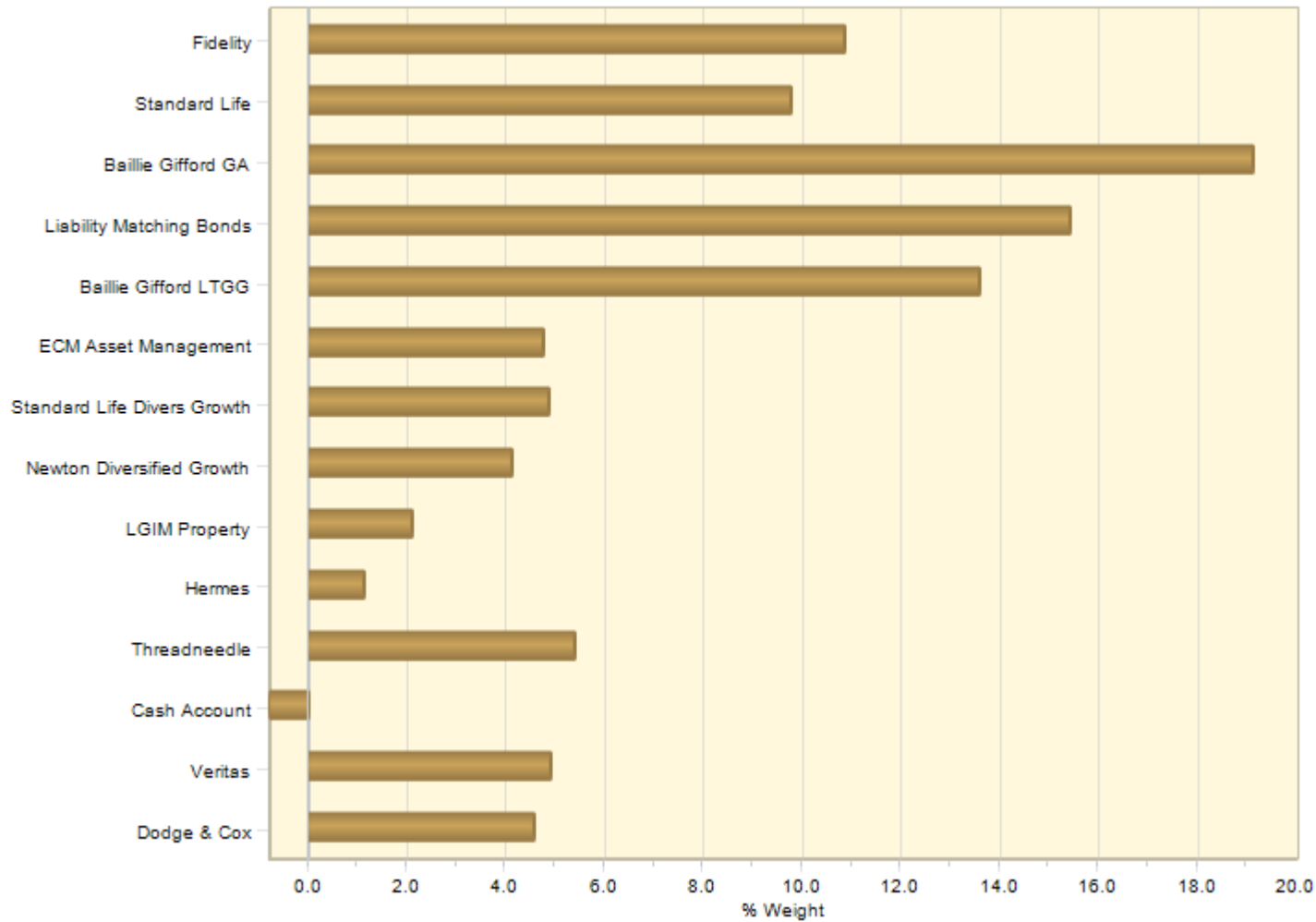
For asset allocation the fund is closely matched to the benchmark. UK Equities and Alternatives were the sectors where the fund was underweighted by 3.58% and 2.95% respectively.

Fund Allocation



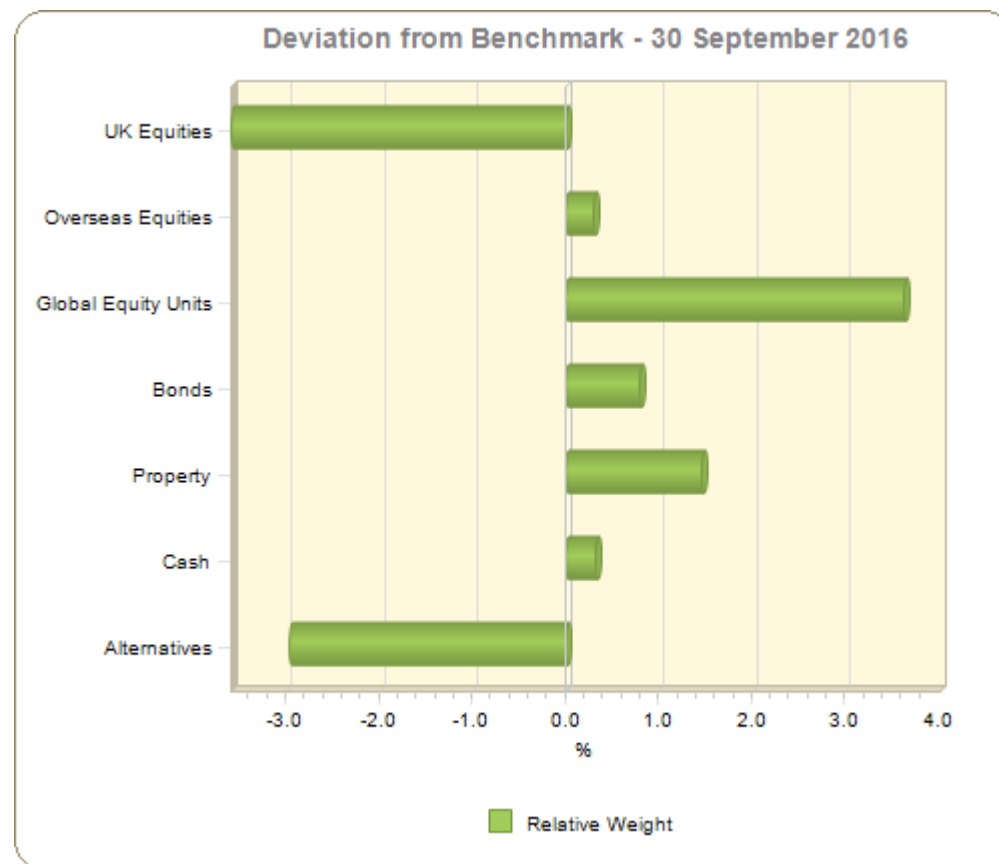
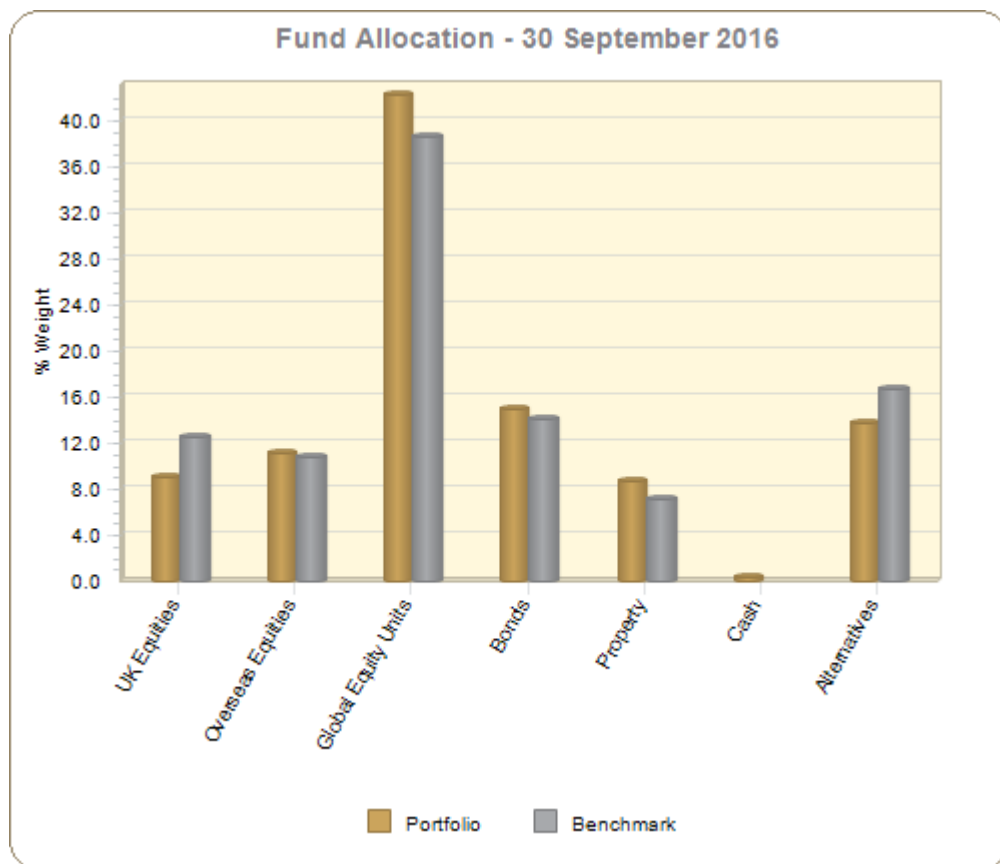
Fund Allocation - Managers

Manager Allocation - 3 Months Ending 30 September 2016



Manager	Weight (%)
Fidelity	10.88
Standard Life	9.80
Baillie Gifford GA	19.14
Liability Matching Bonds	15.44
Baillie Gifford LTGG	13.59
ECM Asset Management	4.75
Standard Life Divers Growth	4.87
Newton Diversified Growth	4.13
LGIM Property	2.13
Hermes	1.14
Threadneedle	5.39
Cash Account	-0.77
Veritas	4.92
Dodge & Cox	4.59

Fund Allocation - Relative Analysis



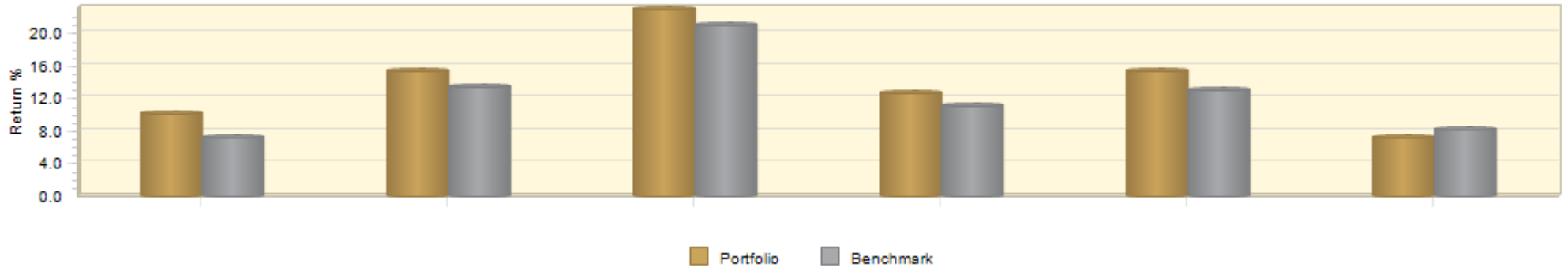
	UK Equities	Overseas Equities	Global Equity Units	Bonds	Property	Cash	Alternatives
Portfolio	9.02	11.11	42.24	14.89	8.66	0.33	13.75
Benchmark	12.60	10.80	38.60	14.10	7.20	0.33	16.70
Relative Weight	-3.58	0.31	3.64	0.79	1.46	0.33	-2.95

Fund Performance



Fund Performance - Summary

Periodic Performance



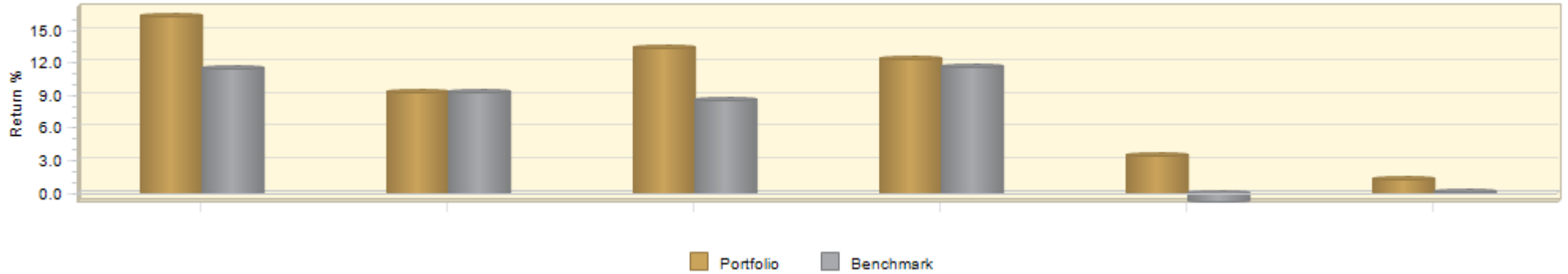
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception (Ann)
Portfolio	10.22	15.37	22.95	12.59	15.36	7.35
Benchmark	7.32	13.44	21.05	11.11	13.09	8.18

Inception Date: 31 Jan 2002

Ann = Annualised

Fund Performance - Segment Analysis

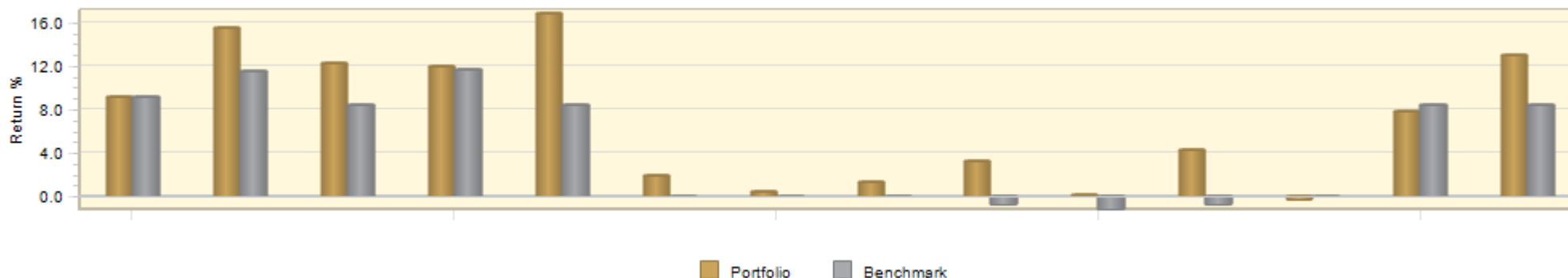
Segment Performance - 3 Months Ending 30 September 2016



	UK Equities	Overseas Equities	Global Equity Units	Bonds	Property	Alternatives
Portfolio	16.20	9.25	13.28	12.36	3.46	1.27
Benchmark	11.48	9.22	8.47	11.65	-0.84	0.10

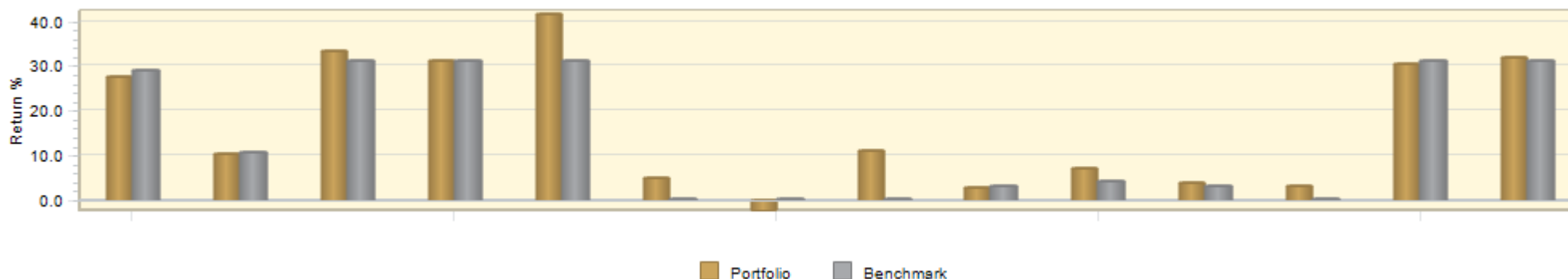
Fund Performance - Manager Overview

Manager Performance - 3 Months Ending 30 September 2016



	Fidelity	Standard Life	Baillie Gifford GA	Liability Matching	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers	Newton Diversified	LGIM Property	Hermes	Threadneedle	Cash Account	Veritas	Dodge & Cox
Portfolio	9.15	15.46	12.33	11.95	16.92	1.98	0.50	1.36	3.25	0.18	4.27	-0.21	7.85	12.95
Benchmark	9.22	11.48	8.46	11.65	8.46	0.10	0.10	0.10	-0.68	-1.15	-0.68	0.07	8.50	8.50

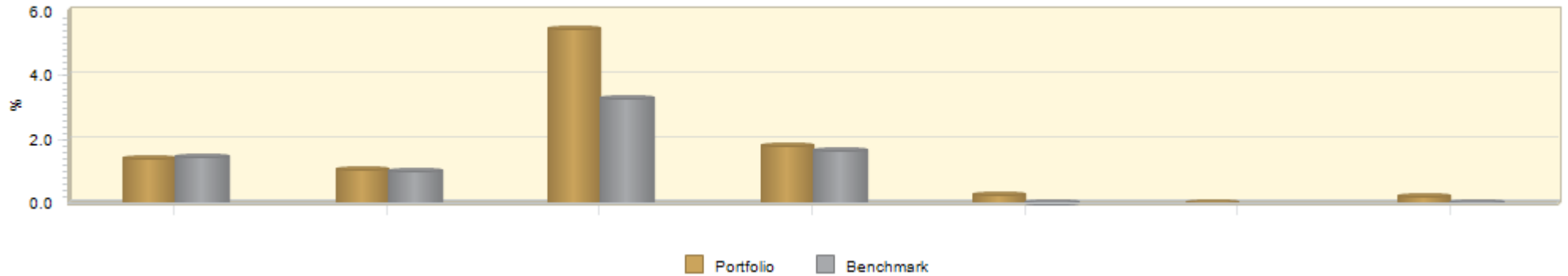
Manager Performance - 1 Year Ending 30 September 2016



	Fidelity	Standard Life	Baillie Gifford GA	Liability Matching	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers	Newton Diversified	LGIM Property	Hermes	Threadneedle	Cash Account	Veritas	Dodge & Cox
Portfolio	27.59	10.40	33.55	31.20	41.72	4.86	-2.17	11.26	2.93	7.00	3.97	3.36	30.60	31.97
Benchmark	29.22	10.69	31.31	31.05	31.31	0.48	0.48	0.48	3.35	4.31	3.35	0.34	31.30	31.30

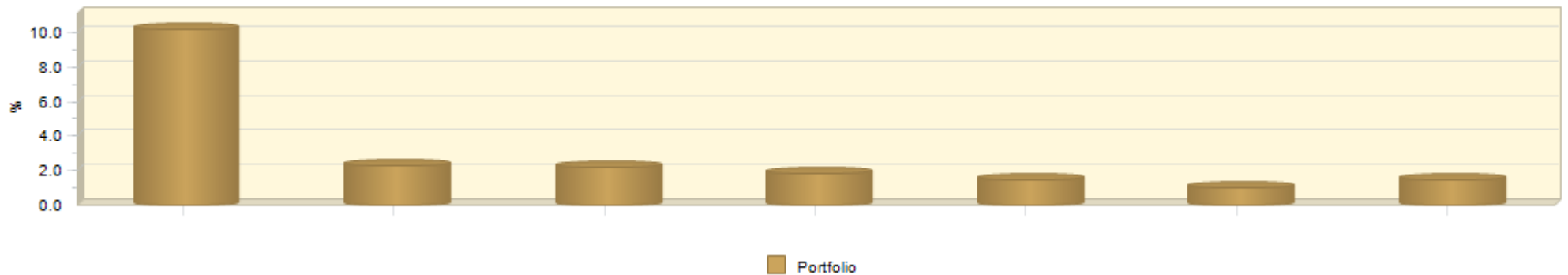
Fund Performance - Contribution Analysis

Source of Contribution - Quarter to 30 September 2016



	UK Equities	Overseas Equities	Global Equity Units	Bonds	Property	Cash	Alternatives
Portfolio	1.41	1.05	5.47	1.81	0.27	0.01	0.20
Benchmark	1.44	0.99	3.27	1.66	-0.03		0.02

Top 5 Manager Contribution - Quarter to 30 September 2016



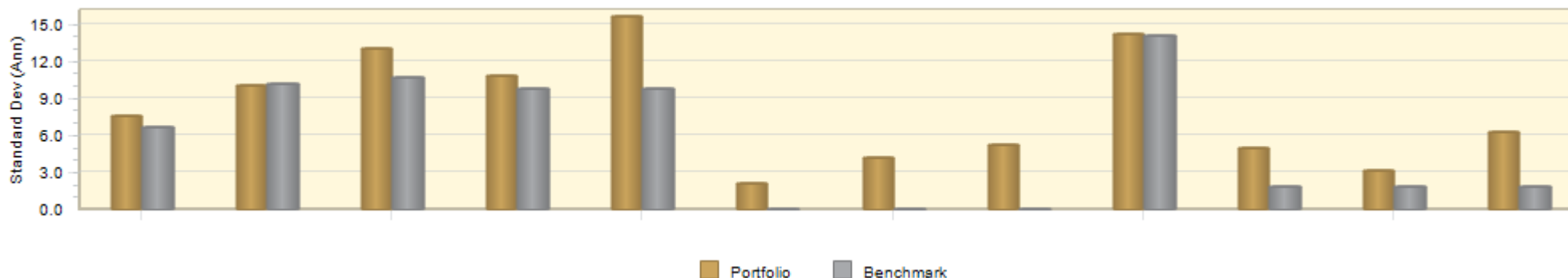
	Total Consolidation	Baillie Gifford GA	Baillie Gifford LTGG	M&G	Standard Life	Fidelity	Remaining Managers
Portfolio	10.22	2.32	2.16	1.81	1.45	1.01	1.47

Risk Profile



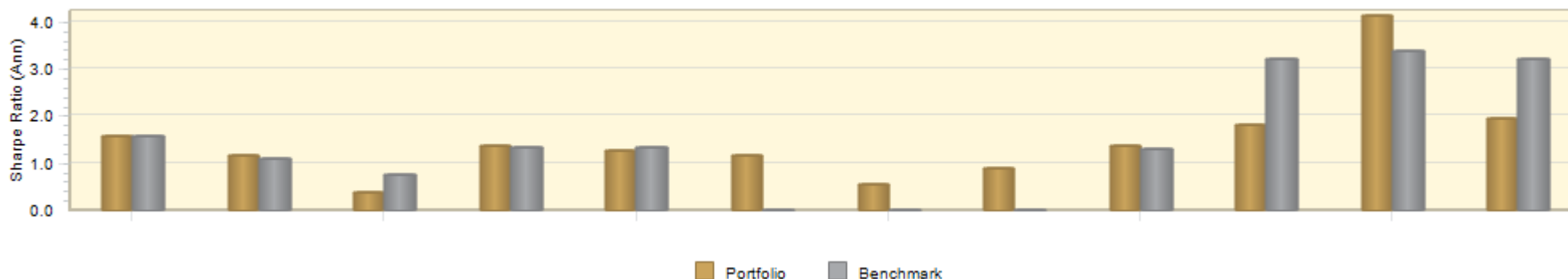
Risk Profile - Historic Risk

Standard Deviation - 3 Years (Ann) to 30 September 2016



	Total Consolidation	Fidelity	Standard Life	Baillie Gifford GA	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers Growth	Newton Diversified	M&G	LGIM Property	Hermes	Threadneedle
Portfolio	7.48	10.03	13.06	10.79	15.57	2.04	4.12	5.25	14.18	4.93	3.11	6.27
Benchmark	6.60	10.18	10.62	9.81	9.81	0.01	0.01	0.01	14.04	1.83	1.86	1.83

Sharpe Ratio - 3 Years (Ann) to 30 September 2016

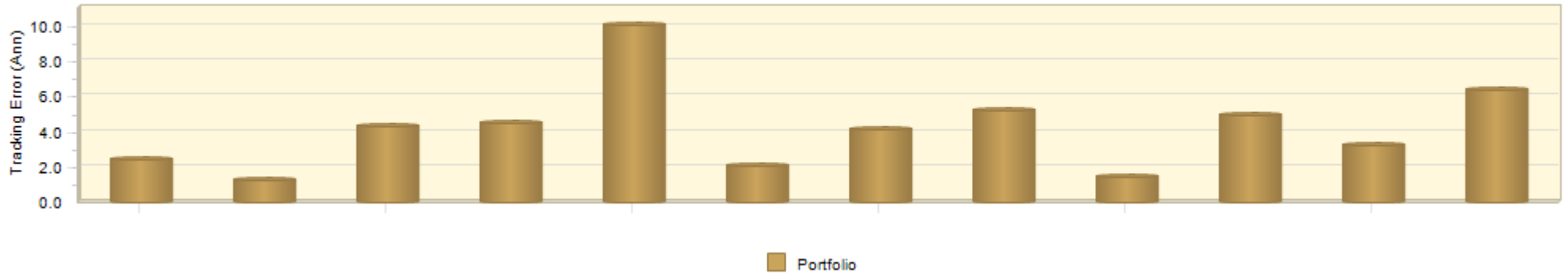


	Total Consolidation	Fidelity	Standard Life	Baillie Gifford GA	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers Growth	Newton Diversified	M&G	LGIM Property	Hermes	Threadneedle
Portfolio	1.57	1.17	0.38	1.35	1.26	1.16	0.55	0.88	1.36	1.81	4.13	1.95
Benchmark	1.56	1.09	0.74	1.33	1.33	0.00	0.00	0.00	1.31	3.20	3.38	3.20

Ann = Annualised

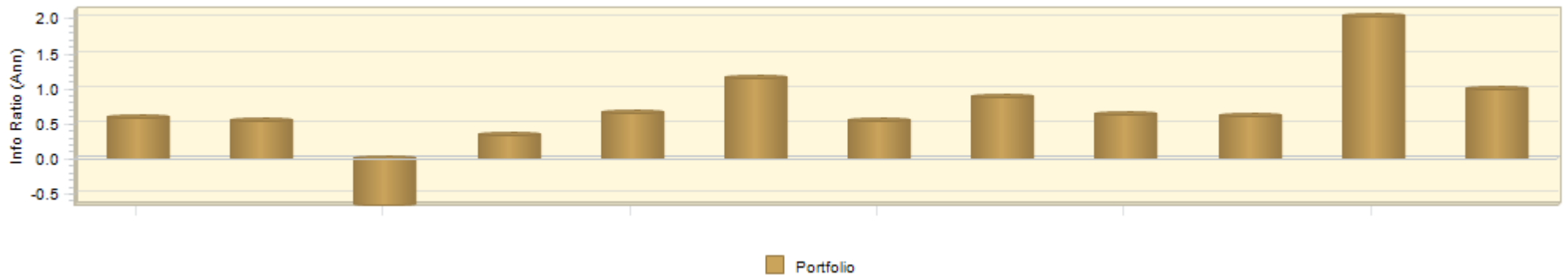
Risk Profile - Historic Risk

Tracking Error - 3 Years (Ann) to 30 September 2016



	Total Consolidation	Fidelity	Standard Life	Baillie Gifford GA	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers Growth	Newton Diversified	M&G	LGIM Property	Hermes	Threadneedle
Portfolio	2.39	1.29	4.30	4.50	10.07	2.05	4.12	5.25	1.40	4.97	3.24	6.44

Information Ratio - 3 Years (Ann) to 30 September 2016



	Total Consolidation	Fidelity	Standard Life	Baillie Gifford GA	Baillie Gifford LTGG	ECM Asset Management	Standard Life Divers Growth	Newton Diversified	M&G	LGIM Property	Hermes	Threadneedle
Portfolio	0.59	0.53	-0.66	0.34	0.65	1.16	0.55	0.88	0.63	0.61	2.03	0.99

Ann = Annualised

Risk Profile - Consistency Analysis

Manager	Active Number of Months	Number of Positive Months	Consistency Rate (%)	Benchmark Consistency (%)	Outperformance (%)
Total Consolidation	177	115	65	67	56
Fidelity	95	61	64	51	54
Standard Life	120	67	56	39	55
Baillie Gifford GA	120	75	63	44	56
Amundi	125	73	58		
Baillie Gifford LTGG	121	73	60	44	54
ECM Asset Management	135	89	66	56	61
Standard Life Divers Growth	43	27	63	100	60
Newton Diversified Growth	43	24	56	100	56
M&G	58	33	57	62	55
LGIM Property	46	41	89	80	61
Hermes	55	42	76	78	56
Threadneedle	52	46	88	80	69
Veritas	18	10	56	67	50
Dodge & Cox	18	11	61	67	39

Fund Profile



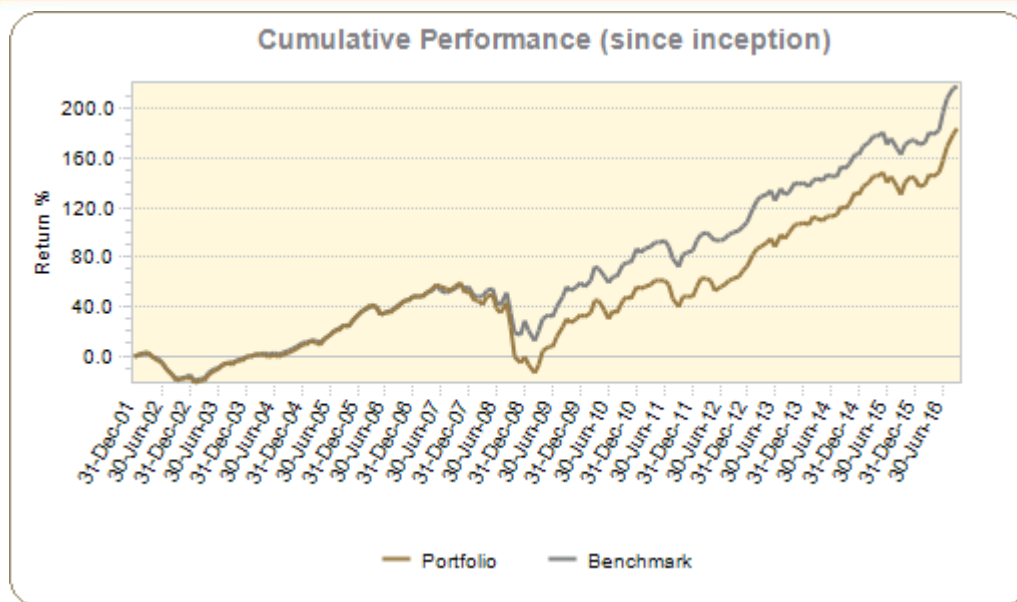
Fund Profile - Movement of Funds

Manager Name	Market Value 30-Jun-2016 (000's)	Net Contributions (000's)	Income (000's)	Gain/Loss (000's)	Market Value 30-Sep-2016 (000's)	% Change
Total Consolidation	2,548,782.70	-8,196.05	4,165.55	255,877.22	2,800,629.42	9.88
Total Consolidation	2,548,782.70	-8,196.05	4,165.55	255,877.22	2,800,629.42	9.88
Fidelity	279,088.86	0.00	853.18	24,691.24	304,633.28	9.15
Standard Life	237,629.60	0.00	2,191.12	34,555.99	274,376.72	15.46
Baillie Gifford GA	477,294.31	0.00	0.00	58,871.12	536,165.43	12.33
Baillie Gifford LTGG	325,469.47	0.00	0.00	55,059.70	380,529.17	16.92
ECM Asset Management	130,536.27	0.00	0.00	2,582.43	133,118.70	1.98
Standard Life Divers Growth	135,828.55	0.00	0.00	684.51	136,513.06	0.50
Newton Diversified Growth	113,986.27	0.00	0.00	1,550.64	115,536.91	1.36
M&G	386,514.44	-163.31	835.20	45,327.28	432,513.61	11.90
LGIM Property	57,723.74	0.00	0.00	1,875.67	59,599.41	3.25
Hermes	32,176.97	-306.18	306.18	-251.20	31,925.77	-0.78
Threadneedle	144,761.80	0.00	0.00	6,177.57	150,939.37	4.27
Cash Account	-13,880.72	-7,726.55	-20.14	-14.31	-21,641.73	55.91
Veritas	127,712.55	0.00	0.00	10,026.86	137,739.41	7.85
Dodge & Cox	113,859.83	0.00	0.00	14,739.71	128,599.54	12.95

Manager Analysis



Manager Analysis - Total Consolidation



Inception Date: 31 Jan 2002

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
2,800,629,420	Total Plan

Allocation - 30 September 2016							
	UK Equities	Overseas Equities	Global Equity	Bonds	Property	Cash	Alternative
Portfolio	9.02	11.11	42.24	14.89	8.66	0.33	13.75
Benchmark	12.60	10.80	38.60	14.10	7.20		16.70

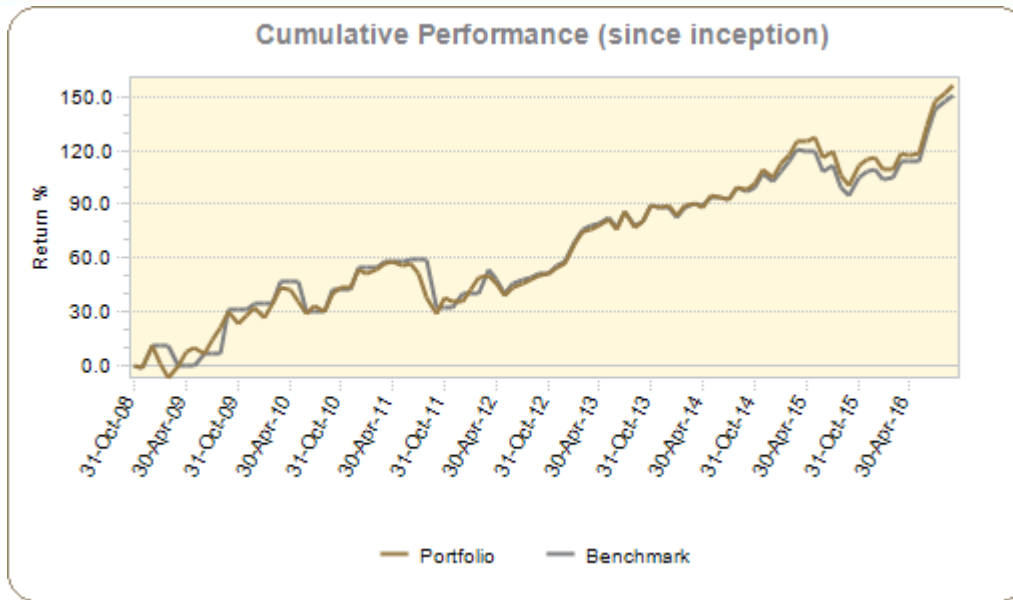
Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	10.2	15.4	23.0	12.6	15.4	7.3
Benchmark	7.3	13.4	21.0	11.1	13.1	8.2

Summary - 3 Months Ending 30 September 2016

The fund's relative performance of the Quarter and 1 Year was 2.9% and 2.0% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	7.5	1.6	2.4	0.6
Benchmark	6.6	1.6		

Manager Analysis - Fidelity



Inception Date: 30 Nov 2008

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
304,633,285	Global Equities

Allocation - 30 September 2016			
	UK Equities	Overseas Equities	Cash
Portfolio	0.19	98.01	1.80
Benchmark			

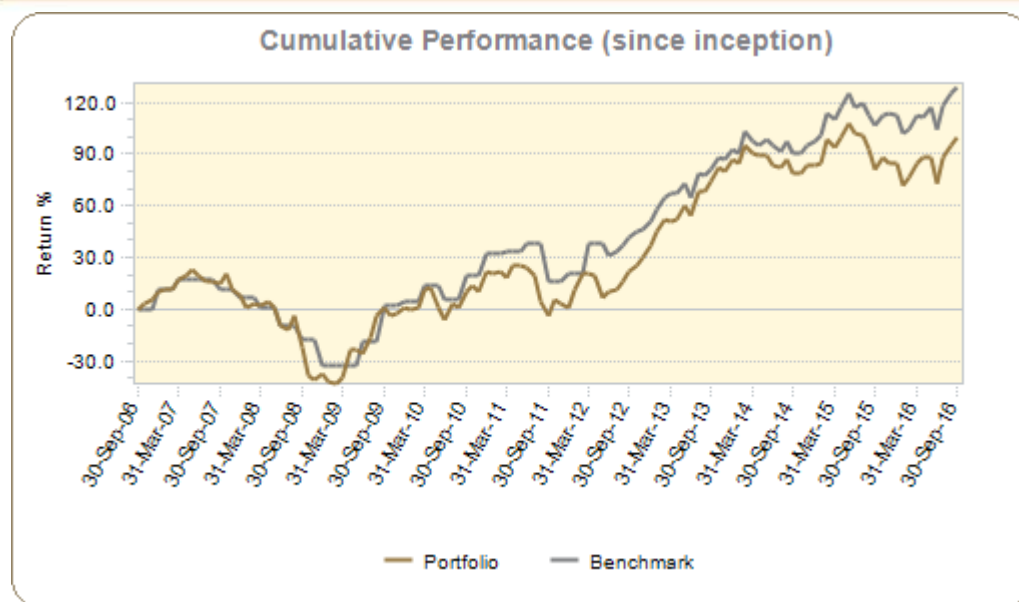
Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	9.2	17.2	27.6	12.4	14.8	12.6
Benchmark	9.2	17.3	29.2	11.6	13.7	12.4

Summary - 3 Months Ending 30 September 2016

The manager's relative performance of the Quarter and 1 Year was 0.0% and -1.6% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	10.0	1.2	1.3	0.5
Benchmark	10.2	1.1		

Manager Analysis - Standard Life



Inception Date: 31 Oct 2006

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
274,376,718	UK Equities

Allocation - 30 September 2016			
	UK Equities	Overseas Equities	Cash
Portfolio	91.87	4.58	3.55
Benchmark	100.00		

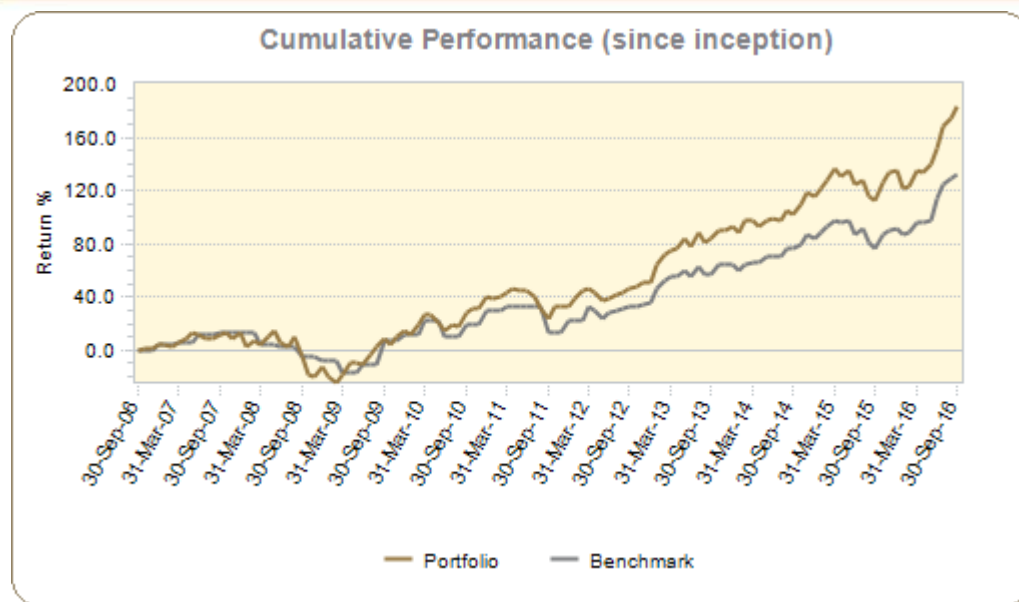
Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	15.5	8.2	10.4	4.7	15.8	7.2
Benchmark	11.5	7.6	10.7	8.1	14.6	8.6

Summary - 3 Months Ending 30 September 2016

The manager's relative performance of the Quarter and 1 Year was 4.0% and -0.3% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	13.1	0.4	4.3	-0.7
Benchmark	10.6	0.7		

Manager Analysis - Baillie Gifford GA



Inception Date: 31 Oct 2006

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
536,165,434	Global Equities

Allocation - 30 September 2016		
	Global Equity Units	Cash
Portfolio	100.00	0.00
Benchmark	100.00	

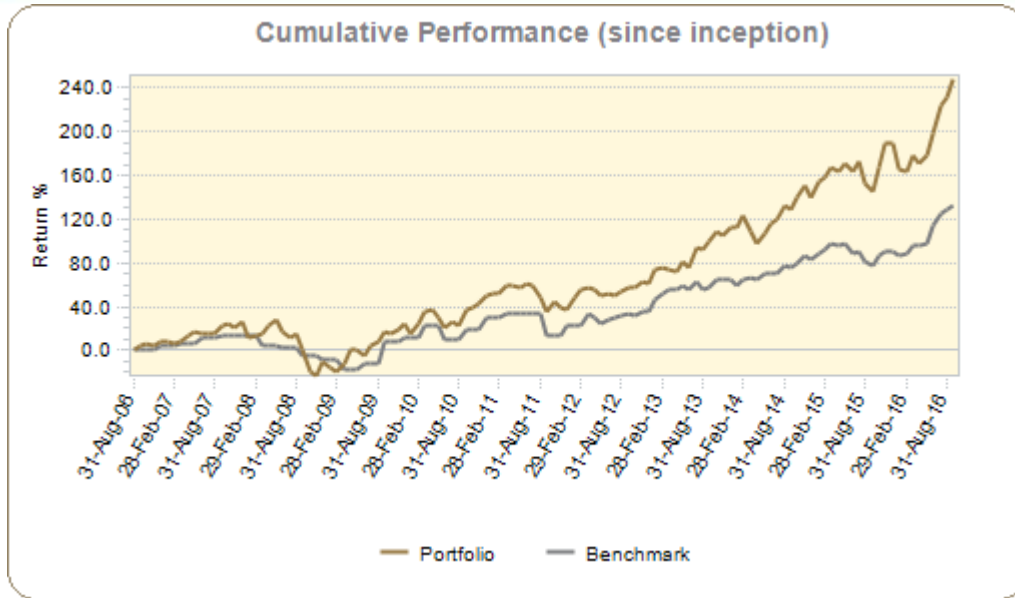
Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	12.3	20.2	33.5	15.5	18.1	11.0
Benchmark	8.5	18.0	31.3	13.9	15.4	8.8

Summary - 3 Months Ending 30 September 2016

The manager's relative performance of the Quarter and 1 Year was 3.8% and 2.2% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	10.8	1.4	4.5	0.3
Benchmark	9.8	1.3		

Manager Analysis - Baillie Gifford LTGG



Inception Date: 30 Sep 2006

Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	16.9	25.6	41.7	20.6	20.9	13.2
Benchmark	8.5	18.0	31.3	13.9	15.4	

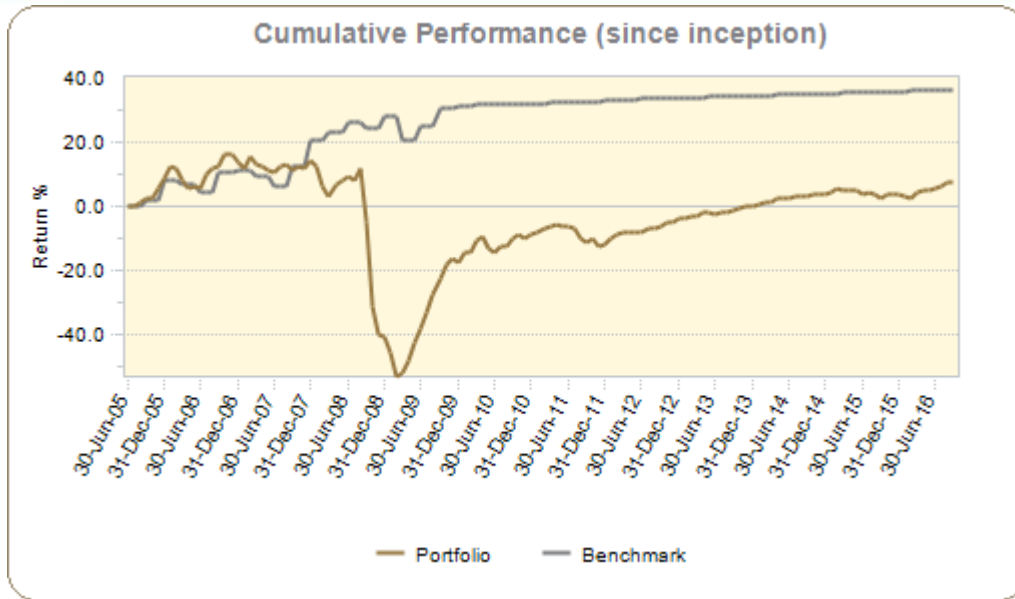
Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	15.6	1.3	10.1	0.7
Benchmark	9.8	1.3		

Portfolio Size and Mandate	
Portfolio Size (GBP)	380,529,166
Portfolio Mandate	Global Equities

Allocation - 30 September 2016	
	Global Equity Units
Portfolio	100.00
Benchmark	100.00

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 8.4% and 10.4% respectively.

Manager Analysis - ECM Asset Management



Inception Date: 31 Jul 2005

Periodic Performance						
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	5 Years (Ann)	Since Inception
Portfolio	2.0	2.9	4.9	2.9	4.0	0.6
Benchmark	0.1	0.2	0.5	0.5	0.5	2.8

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	2.0	1.2	2.0	1.2
Benchmark	0.0	0.0		

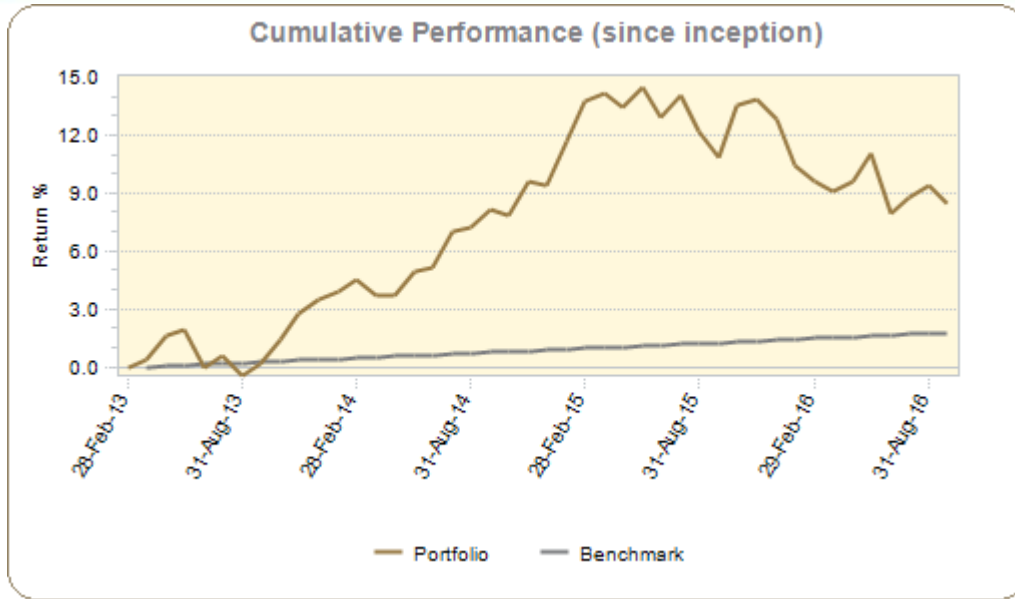
Portfolio Size and Mandate	
Portfolio Size (GBP)	133,118,700
Portfolio Mandate	Alternatives

Allocation - 30 September 2016	
	Alternatives
Portfolio	100.00
Benchmark	100.00

Summary - 3 Months Ending 30 September 2016

The manager's relative performance of the Quarter and 1 Year was 1.9% and 4.4% respectively.

Manager Analysis - Standard Life Divers Growth



Inception Date: 31 Mar 2013

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
136,513,060	Diversified Growth

Allocation - 30 September 2016	
	Alternatives
Portfolio	100.00
Benchmark	100.00

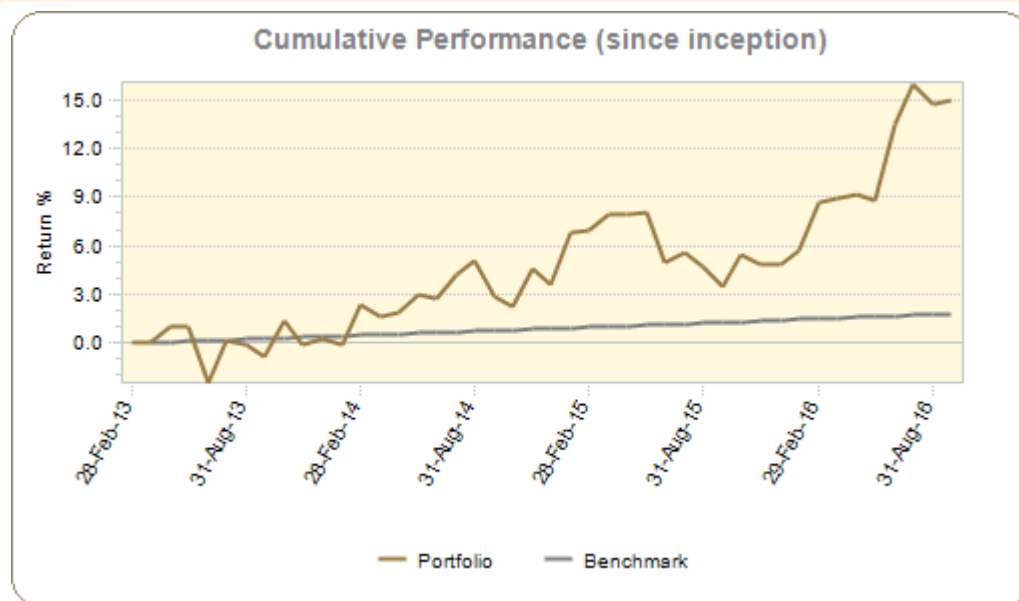
Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	0.5	-0.6	-2.2	2.7	2.3
Benchmark	0.1	0.2	0.5	0.5	0.5

Summary - 3 Months Ending 30 September 2016

The manager's relative performance of the Quarter and 1 Year was and 0.4% and -2.7% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	4.1	0.5	4.1	0.5
Benchmark	0.0	0.0		

Manager Analysis - Newton Diversified Growth



Inception Date: 31 Mar 2013

Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	1.4	5.6	11.3	5.1	4.0
Benchmark	0.1	0.2	0.5	0.5	0.5

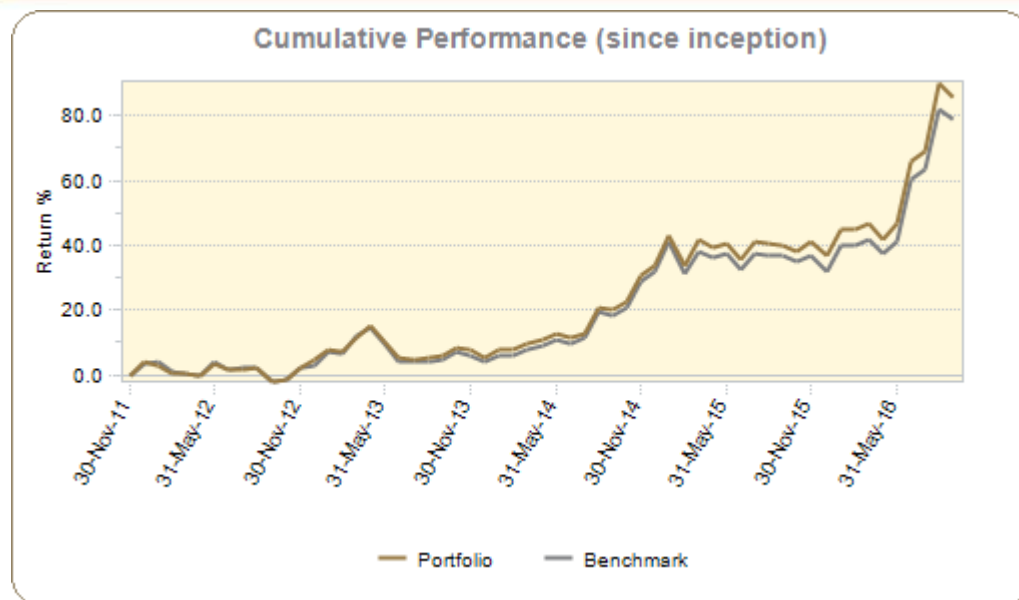
Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	5.3	0.9	5.3	0.9
Benchmark	0.0	0.0		

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
115,536,913	Diversified Growth

Allocation - 30 September 2016	
	Alternatives
Portfolio	100.00
Benchmark	100.00

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 1.3% and 10.8% respectively.

Manager Analysis - M&G



Inception Date: 31 Dec 2011

Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	11.9	26.4	32.5	20.5	13.7
Benchmark	11.6	26.3	31.1	19.5	12.8

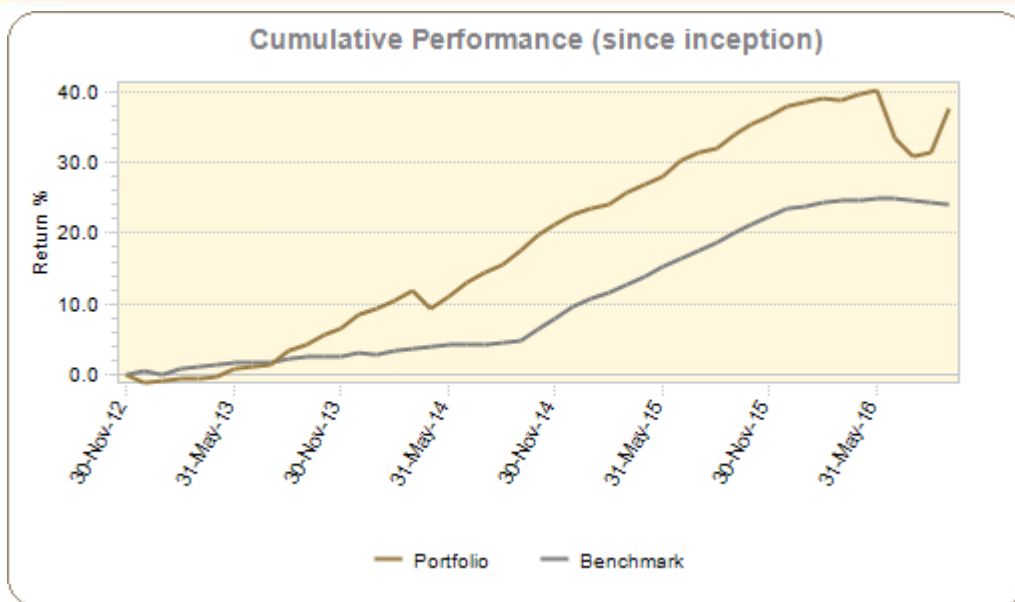
Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	14.2	1.4	1.4	0.6
Benchmark	14.0	1.3		

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
432,513,613	Global Bonds

Allocation - 30 September 2016		
	Bonds	Cash
Portfolio	96.41	3.59
Benchmark		

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 0.3% and 1.4% respectively.

Manager Analysis - LGIM Property



Inception Date: 31 Dec 2012

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
59,599,412	Property

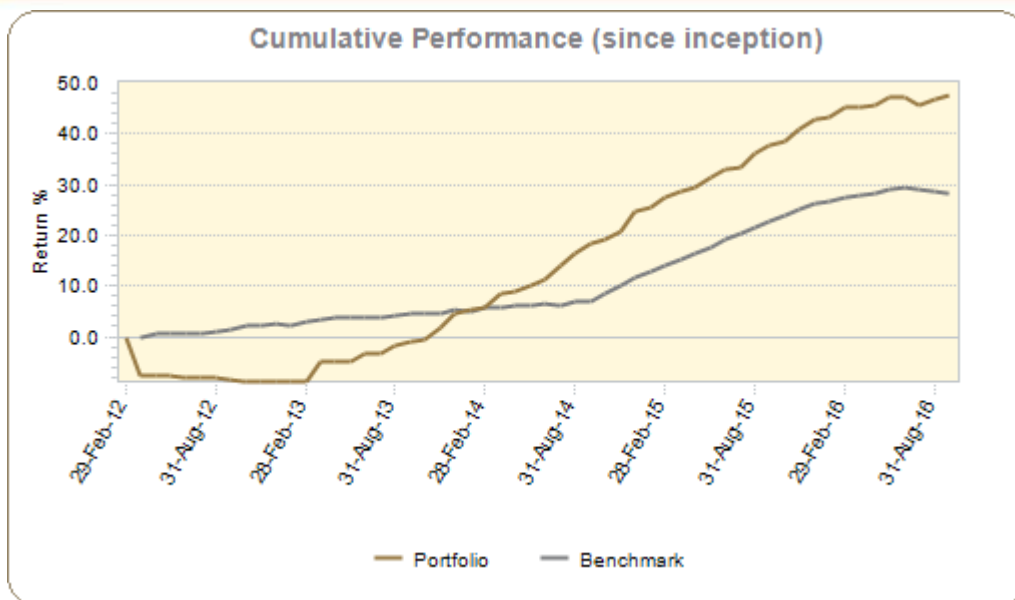
Allocation - 30 September 2016	
	Property
Portfolio	100.00
Benchmark	100.00

Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	3.2	-0.7	2.9	9.7	8.7
Benchmark	-0.7	-0.6	3.4	6.5	5.8

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 year was 3.9% and -0.5% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	4.9	1.8	5.0	0.6
Benchmark	1.8	3.2		

Manager Analysis - Hermes



Inception Date: 31 Mar 2012

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
31,925,767	Property

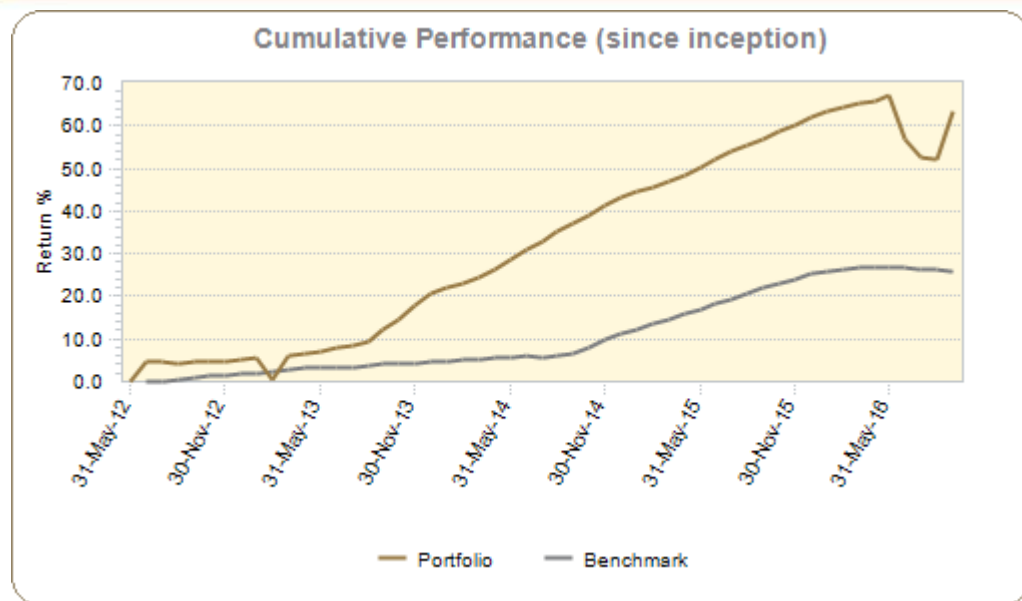
Allocation - 30 September 2016	
	Property
Portfolio	100.00
Benchmark	100.00

Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	0.2	1.5	7.0	14.2	8.8
Benchmark	-1.1	0.2	4.3	7.0	5.7

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 1.3% and 2.7% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	3.1	4.1	3.2	2.0
Benchmark	1.9	3.4		

Manager Analysis - Threadneedle



Inception Date: 30 Jun 2012

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
150,939,372	Property

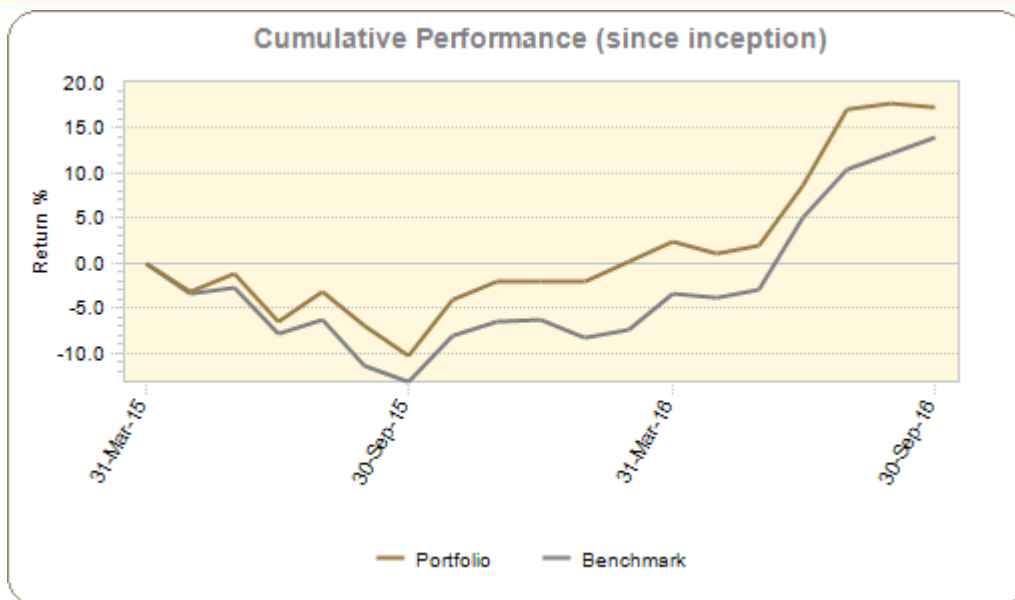
Allocation - 30 September 2016	
	Property
Portfolio	100.00
Benchmark	100.00

Periodic Performance					
	Quarter	Fiscal Year To Date	1 Year	3 Years (Ann)	Since Inception (Ann)
Portfolio	4.3	-1.2	4.0	13.3	12.0
Benchmark	-0.7	-0.6	3.4	6.5	5.6

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 5.0% and 0.6% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio	6.3	2.0	6.4	1.0
Benchmark	1.8	3.2		

Manager Analysis - Veritas



Inception Date: 30 Apr 2015

Periodic Performance				
	Quarter	Fiscal Year To Date	1 Year	Since Inception (Ann)
Portfolio	7.9	14.4	30.6	11.2
Benchmark	8.5	18.0	31.3	9.1

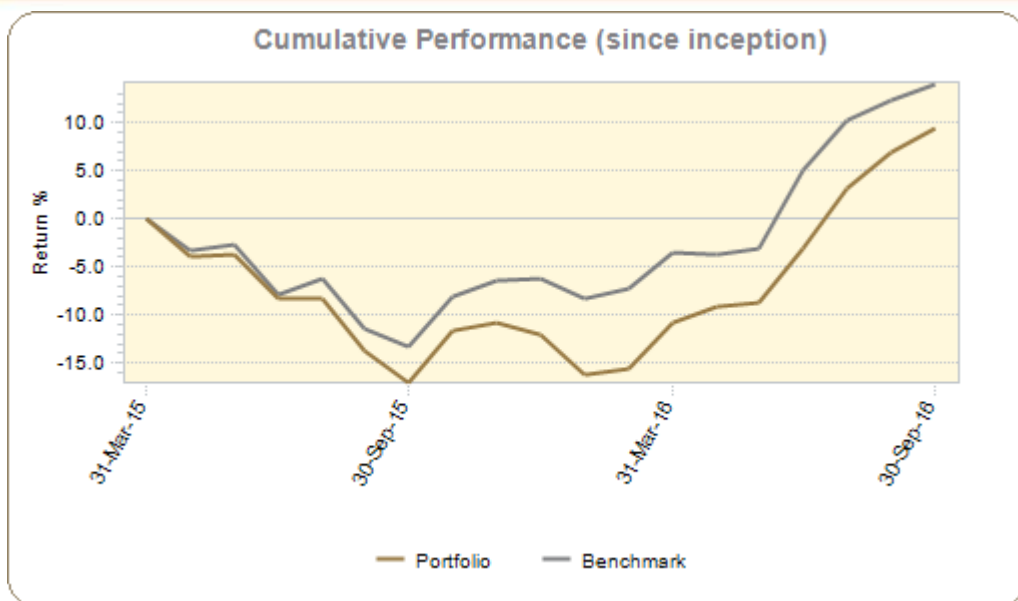
Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio				
Benchmark				

Portfolio Size and Mandate	
Portfolio Size (GBP)	137,739,412
Portfolio Mandate	Global Equities

Allocation - 30 September 2016	
	Global Equity Units
Portfolio	100.00
Benchmark	100.00

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was -0.6% and -0.7% respectively.

Manager Analysis - Dodge & Cox



Inception Date: 30 Apr 2015

Portfolio Size and Mandate	
Portfolio Size (GBP)	Portfolio Mandate
128,599,543	Global Equities

Allocation - 30 September 2016	
	Global Equity Units
Portfolio	100.00
Benchmark	100.00

Periodic Performance				
	Quarter	Fiscal Year To Date	1 Year	Since Inception (Ann)
Portfolio	12.9	22.8	32.0	6.2
Benchmark	8.5	18.0	31.3	9.1

Summary - 3 Months Ending 30 September 2016
 The manager's relative performance of the Quarter and 1 Year was 4.4% and 0.7% respectively.

Risk Profile - 3 Years (Ann) to 30 September 2016				
	Standard Deviation	Sharpe Ratio	Tracking Error	Information Ratio
Portfolio				
Benchmark				

Appendix



Appendix - Glossary

Risk

Standard Deviation - Standard Deviation measures the variability (or volatility) of a fund's return over a specified time period.

Tracking Error - Tracking Error measures the variability of a fund's returns relative to its benchmark over a time period.

Information Ratio - Information Ratio is a measure of performance adjusted for the level of (active) risk.

Sharpe Ratio - Sharpe Ratio relates a portfolio's reward (determined as the portfolio's return minus risk free return) to the portfolio's variability (as measured by its standard deviation).

Active Number of months - Number of complete months of performance

Number of Positive Months - number of complete months the portfolio has produced a positive return

Consistency Rate (%) - Number of Positive Months/Active Number of Months

Benchmark Consistency (%) - Number of Positive Benchmark Months/Active Number of Months

Outperformance (%) - Percentage of months the portfolio has outperformed the benchmark

Attribution

Allocation Effect - Measures the impact of decisions to allocate assets differently from the benchmark.

Selection Effect - Measures the impact of decisions of selecting securities different from those held in the benchmark.

Currency Effect - Measures the impact of deviating from the benchmark currency position.

Management Effect - Measures the combined impact of allocation, selection and currency effects. At the total level, this represents the fund's relative performance against the benchmark.

Interaction Effect - Measures the combined impact of an investment manager's selection and allocation decisions within a segment.

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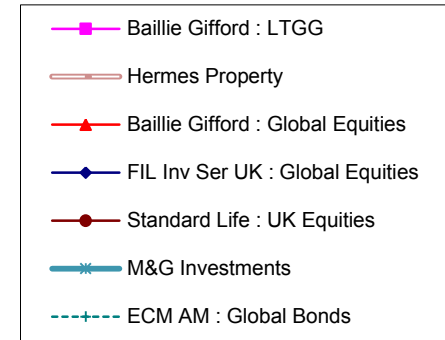
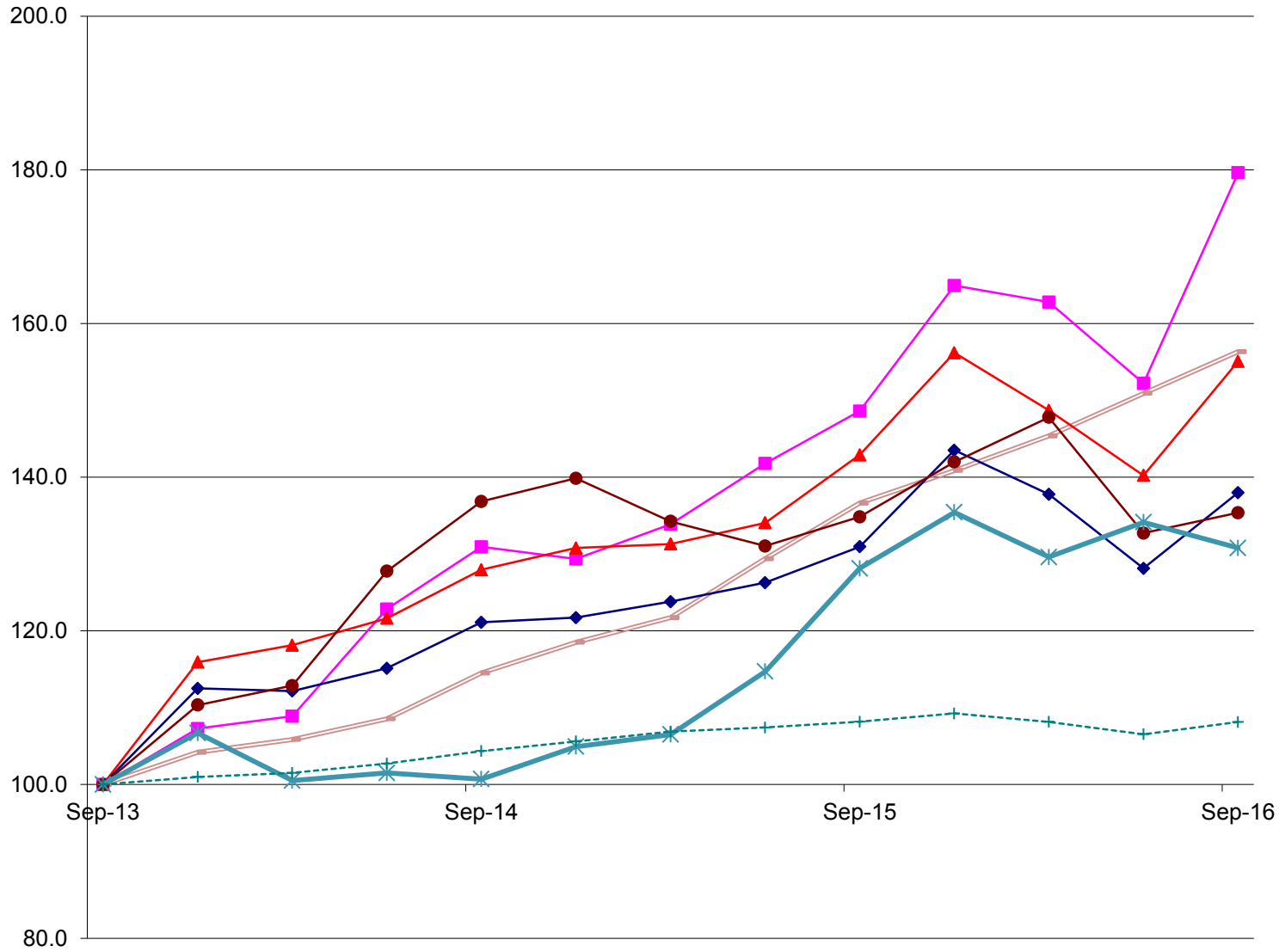
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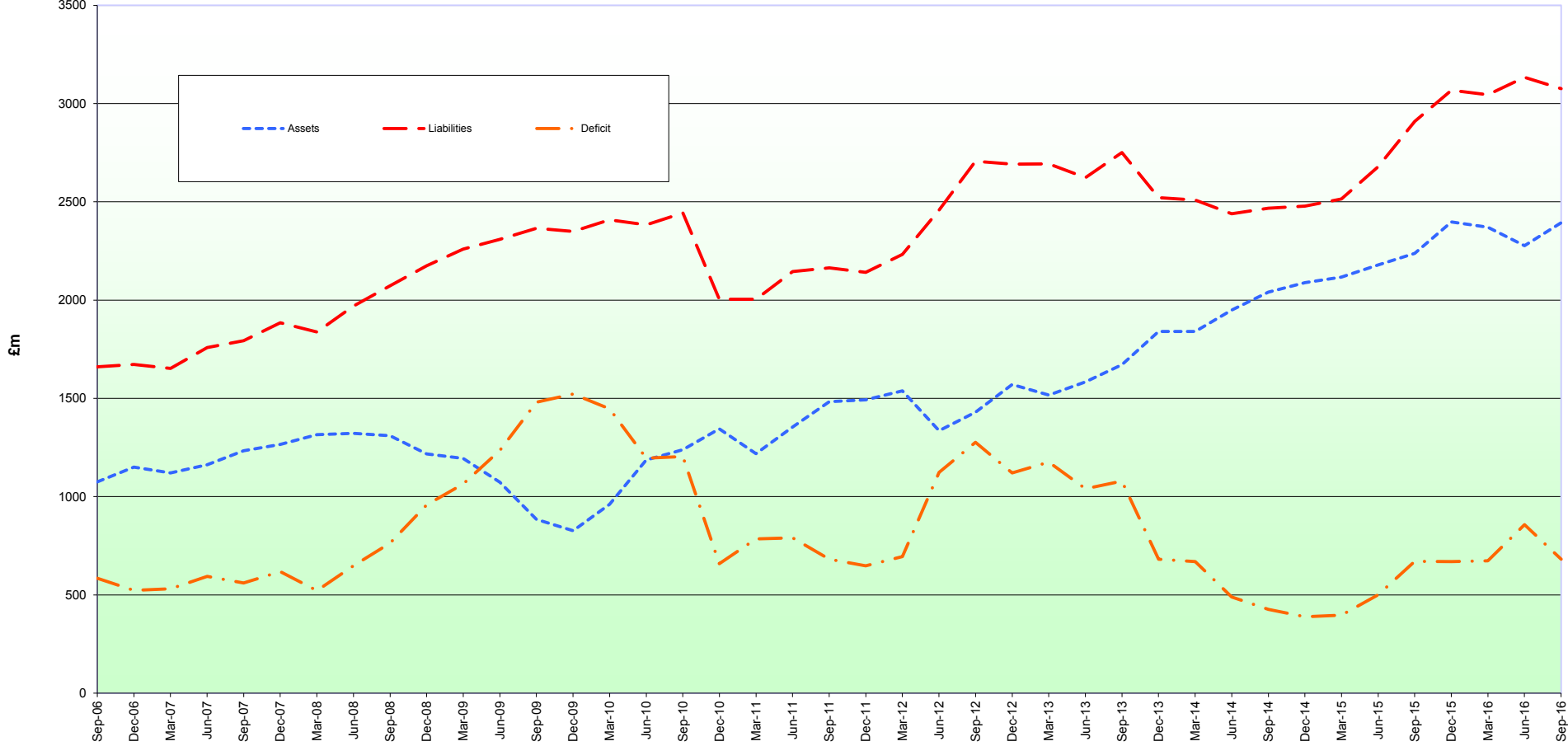
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Investment Manager Performance - cumulative absolute performance 3 years to September 2016



North Yorkshire Pension Fund Assets, Liabilities and Deficit



Actuarial Model of Quarterly Solvency Position

Date	Solvency	Deficit £(M)	Fund Value £(M)	FTSE 100
March 31, 2001	79%	187	724	5,634
June 30, 2001	82%	162	740	5,643
September 30, 2001	71%	265	650	4,909
December 31, 2001	74%	245	702	5,217
March 31, 2002	75%	245	732	5,272
June 30, 2002	60%	450	670	4,656
September 30, 2002	56%	435	574	3,722
December 31, 2002	58%	435	597	3,940
March 31, 2003	55%	478	584	3,613
June 30, 2003	61%	423	662	4,031
September 30, 2003	63%	408	695	4,091
December 31, 2003	65%	402	747	4,477
March 31, 2004	59%	524	767	4,386
June 30, 2004	61%	498	775	4,464
September 30, 2004	60%	524	799	4,571
December 31, 2004	62%	533	854	4,814
March 31, 2005	61%	563	879	4,894
June 30, 2005	61%	592	924	5,113
September 30, 2005	65%	542	1005	5,478
December 31, 2005	65%	585	1075	5,619
March 31, 2006	69%	523	1150	5,965
June 30, 2006	68%	531	1121	5,833
September 30, 2006	68%	595	1163	5,961
December 31, 2006	69%	561	1233	6,221
March 31, 2007	67%	619	1266	6,308
June 30, 2007	72%	522	1316	6,608
September 30, 2007	67%	648	1322	6,467
December 31, 2007	63%	763	1310	6,457
March 31, 2008	56%	958	1217	5,702
June 30, 2008	53%	1064	1195	5,625
September 30, 2008	47%	1235	1074	4,902
December 31, 2008	37%	1481	885	4,434
March 31, 2009	35%	1522	827	3,926
June 30, 2009	40%	1447	972	4,249
September 30, 2009	50%	1196	1187	5,134
December 31, 2009	51%	1204	1239	5,413
March 31, 2010	67%	659	1345	5,680
June 30, 2010	61%	785	1219	4,917
September 30, 2010	63%	791	1354	5,549
December 31, 2010	69%	681	1483	5,900
March 31, 2011	70%	648	1493	5,909
June 30, 2011	69%	695	1538	5,946
September 30, 2011	54%	1123	1335	5,129
December 31, 2011	53%	1277	1430	5,572
March 31, 2012	58%	1121	1571	5,768
June 30, 2012	56%	1176	1517	5,571
September 30, 2012	60%	1040	1584	5,742
December 31, 2012	61%	1079	1672	5,898
March 31, 2013	73%	679	1836	6,412
June 30, 2013	78%	519	1840	6,215
September 30, 2013	80%	490	1949	6,462
December 31, 2013	83%	427	2040	6,749
March 31, 2014	84%	389	2089	6,598
June 30, 2014	84%	397	2117	6,744
September 30, 2014	81%	500	2179	6,623
December 31, 2014	77%	671	2238	6,566
March 31, 2015	78%	669	2399	6,773
June 30, 2015	78%	674	2371	6,521
September 30, 2015	73%	857	2277	6,062
December 31, 2015	78%	682	2394	6,242
March 31, 2016	72%	923	2418	6,175
June 30, 2016	81%	596	2549	6,504
September 30, 2016	93%	203	2801	6,899

Triennial valuation results highlighted in grey

Movement in Assets and Liabilities

