



Clwyd Pension Fund

Committee Report:

Investment Strategy and Manager Summary: Quarter 4 2014



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1 Impact on Clwyd Pension Fund Strategy

Overall

- The Fund's total market value increased by £44.8m over the fourth quarter of 2014 to £1,342,581,245, and by a further £12.5m over the period from the end of December 2014 to the end of January 2015. At 31 January 2015, the Fund's total market value was £1,355,167,141.
- As at 30 September 2014, the Fund's liabilities were valued at £1,866 million, resulting in a funding position of 70%. As at 31 December 2014, the value of the Fund's liabilities had increased by £177 million to £2,043 million, resulting in a funding position of 66%.

3 months to 31 December 2014

- The Fund produced an absolute return of 4.1% against a benchmark return of 3.9%. The most notable returns were from the LDI portfolio, which returned 17.7% due to the continuing fall in government bond yields. Commodities also fell, by 11.1% (index return), as did Frontier Markets, which declined by 9.0% (index return) over the period.
- In relative terms, the Fund outperformed its benchmark by 0.2% mainly as a result of:
 - » Real Assets, which outperformed their composite benchmark by 1.5%, due to being underweight Commodities, which performed poorly relative to the benchmark, and overweight Property and Infrastructure assets, which both outperformed benchmark returns. However, the Timber/Agriculture portfolio offset some of these gains.
 - » Alpha Seeking Assets, which outperformed their composite benchmark by 0.4%, largely a result of Opportunistic assets outperforming their benchmark.
 - » Total Equity, Bond and GTAA strategies detracting from total Fund performance; most notably the Stone Harbor, Aberdeen Frontier Markets and BlackRock GASL Funds produced negative returns well below their benchmarks.

3 months to 31 January 2015

- The Fund produced an absolute return of 4.6% against a benchmark return of 3.8%. The most notable returns were from the LDI portfolio, which returned 16.3% due to the continuing fall in government bond yields. Commodities also fell, by 12.8% (index return), as did Frontier Markets, which declined by 6.4% (index return) over the period.
- In relative terms, the Fund outperformed its benchmark by 0.8% mainly as a result of:
 - » Real Assets, which outperformed their composite benchmark by 2.6%, due to being underweight Commodities, which also outperformed relative to the benchmark, and overweight Property and Infrastructure assets, which both outperformed benchmark returns. However, the Timber/Agriculture portfolio offset some of these gains.
 - » Alpha Seeking Assets, which outperformed their composite benchmark by 1.7%, largely a result of Opportunistic and Private Equity assets outperforming their benchmarks.
 - » Total Equity Assets outperformed the composite benchmark by 0.4%, mainly as a result of the Investec and Aberdeen Frontier Markets Funds generating returns ahead of their respective benchmarks.
 - » Total Bond and GTAA strategies detracting from total Fund performance; most notably the Stone Harbor and BlackRock GASL Funds produced negative returns considerably below their benchmarks.

Asset Class Commentary: Q4 2014

Equities

- With the exception of Europe (ex UK), developed equity markets were largely positive over the fourth quarter of 2014. US equities continued a strong period of growth, increasing by 8.9% over the quarter and ending the year up by 20.3%. UK equities were positive, but only marginally up by 0.6% and increasing by a modest 1.2% over the last 12 months. Europe (ex UK) equities declined by 1.4%, and ended the year down by 1.4%, on the back of negative inflation data and renewed talks of Greece leaving the Eurozone.
- Frontier Market equities were down by 9.0% and Emerging Market equities were broadly flat, up by 0.4% for the quarter. Both markets were hit by a combination of a strengthening US Dollar and the falling price of oil and commodity prices.
- The Fund's total equities portfolio returned 1.0% over the quarter, behind the benchmark by 0.7%. Only two out of the six equity managers outperformed their respective benchmarks, which resulted in the relative underperformance. Aberdeen's Asia Pacific Fund detracted the most from total performance as the Fund was behind its benchmark by 2.6%. Investec Global Strategic Equity Fund and Wellington's EM (Local) Fund offset some of the relative underperformance made elsewhere in the equity portfolio.

Bonds

- Bond markets were generally positive over the quarter. UK bonds had a strong quarter of growth, with fixed interest gilts increasing by 11.2%, index-linked gilts increasing by 9.4% and long-dated corporate bonds increasing by 6.7%. Elsewhere, global bonds returned 3.0%, High Yield bonds returned 1.5% and Leveraged Loans returned -0.1%.
- Total bonds assets returned -1.7% over the quarter, behind the benchmark by 1.8%. Underperformance was predominantly a result of overall credit exposure and the impact of widening spreads. The fall in commodity prices negatively impacted security selection in oil producing and oil exploration companies in EMD, High Yield and Investment Grade markets. Overweight exposure to Russia and Venezuela within the emerging market debt portfolio was particularly detrimental to total performance.

GTAA

- Total GTAA assets returned -0.5%, behind the benchmark by 1.8%. Pyrford (+2.0%) and BlueCrest (+0.8%) both delivered returns above or broadly in line with their benchmarks, however this positive performance was offset by the BlackRock GASL Fund returning -2.6% and underperforming its benchmark by 4.2%.
- Equity allocations, particularly in UK, Europe, Asia Pacific and the US were particularly beneficial to GTAA performance. However, falling metal and energy prices, weak European data and the strengthening US Dollar had a negative impact on the GTAA portfolio over the quarter. Credit exposure and the short positioning in US interest rates was detrimental to overall performance.

Real Assets

- Total Real Assets returned 0.7%, ahead of the benchmark by 1.5%. Outperformance was mainly due to the underweight allocation to Commodities and the overweight allocations to In House Property and Infrastructure portfolios.
- Property capital valuations continued to rise over the quarter, led by office and industrial sectors, and in particular Offices in Central London. As a result, the in-house property portfolio saw positive absolute performance and outperformed its property market benchmark.
- Infrastructure assets produced positive absolute returns throughout the period and also outperformed the benchmark.
- Commodities and Timber/Agriculture portfolios were negative over the quarter. Both were impacted by the sharply declining price of oil, metals and agricultural commodities; however, despite underperforming the wider market, the Commodities portfolio was the main contributor to Real Assets performance due its underweight allocation.

Alpha Seeking Assets

- Total Alpha Seeking Assets returned 1.7%, ahead of the benchmark by 0.4%. Opportunistic, Private equity, and the Pioneer hedge fund portfolio produced positive returns over the period, all ahead of their respective benchmarks.
- Outperformance was mainly attributable to the Opportunistic assets, and the overweight allocation to Private Equity, relative to the strategic benchmark.
- The contribution to return from hedge funds was flat overall; exposures to Global Macro and Equity based strategies were the most successful, whilst Event Driven, Credit, Specialist and Distressed strategies were negative overall.

2 Strategic Asset Allocation – 31 December 2014

Allocation by underlying asset class

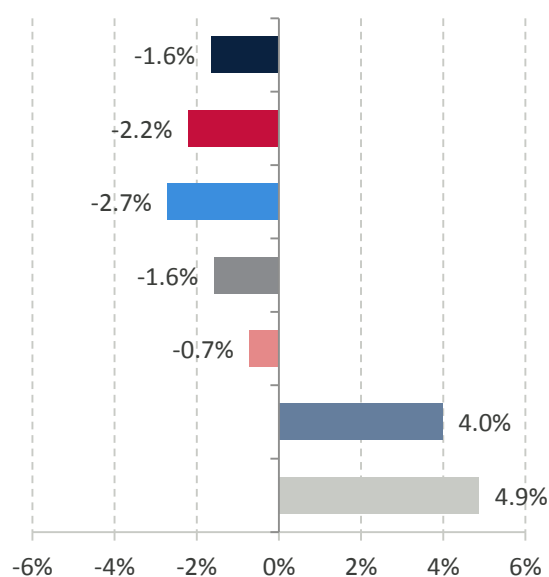
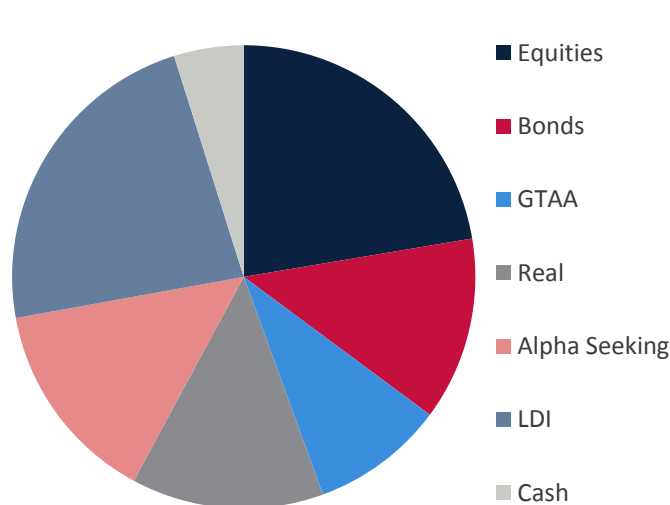
Asset Class	31 December 2014 Valuation £	Weight %	Strategic Benchmark %
Developed Market Equities	212,212,953	15.8	16.5
Emerging and Frontier Market Equities	87,892,976	6.5	7.5
Global Tactical Asset Allocation (GTAA)	124,838,425	9.3	12.0
Bonds	171,775,139	12.8	15.0
Fund of Hedge Funds	48,447,456	3.6	5.0
Property	97,593,399	7.3	7.0
Commodities	26,372,708	2.0	4.0
Private Equity	133,749,711	10.0	8.0
Infrastructure	31,395,070	2.3	2.0
Timber / Agriculture	24,833,720	1.8	2.0
Opportunistic	9,629,175	0.7	2.0
LDI	308,502,468	23.0	19.0
Cash	65,338,045	4.9	0.0
TOTAL CLWYD PENSION FUND	1,342,581,245	100.0	100.0

Points to note

- Allocation to LDI has risen by 2.8% over the quarter and is 4.0% overweight relative to its strategic benchmark.
- The Fund's new investment strategy (revised Strategic Asset Allocation and Conditional Asset Allocation ranges) was approved by the Committee at the 5th November 2014 meeting. Implementation is due to be undertaken in Q1 2015.

Strategic Asset Allocation as at 31 December 2014

Deviation from Strategic Benchmark



Performance of the strategic asset classes and total Fund to 31 December 2014

Manager / Fund / Benchmark	3 Months %	12 Months %	3 Years % p.a.
Total Equities	1.0	6.5	11.3
Composite Benchmark	1.7	8.5	11.8
<i>Relative</i>	<i>-0.7</i>	<i>-2.0</i>	<i>-0.5</i>
Total Bonds	<i>-1.7</i>	1.9	2.9
Composite Benchmark	0.1	2.5	0.4
<i>Relative</i>	<i>-1.8</i>	<i>-0.6</i>	2.5
Total GTAA	<i>-0.5</i>	3.8	3.0
Composite Benchmark	1.3	5.7	6.0
<i>Relative</i>	<i>-1.8</i>	<i>-1.9</i>	<i>-3.0</i>
Total Alternatives - Real Assets	0.7	6.8	3.6
Composite Benchmark	<i>-0.8</i>	5.2	3.4
<i>Relative</i>	1.5	1.6	0.2
Total Alternatives - Alpha Seeking Assets	1.7	9.5	5.5
Composite Benchmark	1.3	5.2	5.2
<i>Relative</i>	0.4	4.3	0.3
Total ex Alternatives, GTAA and LDI	0.0	5.0	8.9
Composite Benchmark	1.1	6.2	8.5
<i>Relative</i>	<i>-1.1</i>	<i>-1.2</i>	0.4
Total ex GTAA and LDI	0.5	6.3	7.2
Composite Benchmark	0.8	5.8	7.0
<i>Relative</i>	<i>-0.3</i>	0.5	0.2
Total ex LDI	0.4	6.0	6.8
Composite Benchmark	0.8	5.8	6.9
<i>Relative</i>	<i>-0.4</i>	0.2	<i>-0.1</i>
Total Clwyd Pension Fund	4.1	11.8	8.6
Composite Benchmark	3.9	11.1	8.6
<i>Relative</i>	0.2	0.7	0.0

Source: JLT Employee Benefits

- Manager benchmarks and target objectives were reviewed during the quarter, and a number have now been revised (please see Appendix 1 for details). These are now shown for all of the time periods detailed in this report.

3 Manager Summary – 31 December 2014

Manager	Fund	31 December 2014				
		Valuation £	Weight %	Strategic Weight %	3 Yr Performance vs Objective*	
●	Duet	Global Opportunities	49,900,082	3.7	5.0	Target not met
●	Investec	Global Strategic Equity	79,957,469	6.0	5.0	Target met
●	Aberdeen	Asia Pacific ex Japan Equities	82,355,401	6.1	6.5	Target not met
●	Wellington	Emerging Market Equities (Core)	38,430,531	2.9	6.5	Target not met
●	Wellington	Emerging Market Equities (Local)	40,696,863	3.0		Target met
n/a	Aberdeen	Frontier Markets Equities	8,765,583	0.7	1.0	n/a
Total Equity Assets			300,105,929	22.4	24.0	
●	Stone Harbor	LIBOR Multi-Strategy Portfolio	171,775,139	12.8	15.0	Target met
Total Bond Assets			171,775,139	12.8	15.0	
●	BlackRock	GASL	57,466,237	4.3	6.0	Target not met
●	Bluecrest	AllBlue Ltd	33,537,719	2.5	3.0	Target met
●	Pyrford	Global Total Return	33,834,469	2.5	3.0	Target not met
Total GTAA Assets			124,838,425	9.3	12.0	
●	In-House	Property	97,593,399	7.3	7.0	Target not met
●	In-House	Infrastructure	31,395,070	2.3	2.0	Target met
●	In-House	Timber / Agriculture	24,833,720	1.8	2.0	Target not met
●	Wellington	Commodities	26,372,708	2.0	4.0	Target not met
Total Real Assets			180,194,897	13.4	15.0	
●	Pioneer	Fund of Hedge Funds	1,441,427	0.1		Target met
●	SSARIS	Fund of Hedge Funds	24,437,078	1.8	5.0	Target not met
●	Liongate	Fund of Hedge Funds	22,568,951	1.7		Target not met
●	In-House	Private Equity	133,749,711	10.0	8.0	Target met
n/a	In-House	Opportunistic	9,629,175	0.7	2.0	n/a
Total Alpha Seeking Assets			191,826,342	14.3	15.0	
n/a	Insight	LDI assets	308,502,468	23.0	19.0	n/a
n/a	Trustee	Cash	65,338,045	4.9	0.0	n/a
TOTAL CLWYD PENSION FUND			1,342,581,245	100.0	100.0	

Note: 'n/a' against the objective is for funds that have been in place for less than three years.

* Performance objectives have been reviewed as part of a strategic review.

● Fund has met or exceeded its performance objective

● Fund has underperformed its performance objective

Manager performance to 31 December 2014

Manager / Fund			3 months %		12 months %		3 years % p.a.		3 yr Performance vs Objective
			Fund	Bmark	Fund	Bmark	Fund	Bmark	
●	Duet	Global Opportunities	0.9	2.4	-0.9	10.0	1.9	10.0	Target not met
●	Investec	Global Strategic Equity	4.8	4.4	14.0	10.7	19.0	14.0	Target met
●	Aberdeen	Asia Pacific ex Japan	0.6	3.2	9.6	9.5	7.9	9.3	Target not met
●	Wellington	Emerging Markets (Core)	-2.1	-0.6	0.0	4.3	4.3	4.8	Target not met
●	Wellington	Emerging Markets (Local)	0.2	-0.6	9.5	4.3	8.4	2.8	Target met
n/a	Aberdeen	Frontier Markets	-10.6	-9.0	-1.0	13.9	n/a	n/a	n/a
Total Equity Assets			1.0	1.7	6.5	8.5	11.3	11.8	
●	Stone Harbor	LIBOR Multi-Strategy	-1.7	0.1	1.9	2.5	2.9	0.4	Target met
Total Bond Assets			-1.7	0.1	1.9	2.5	2.9	0.4	
●	BlackRock	GASL	-2.6	1.6	2.0	6.6	1.6	6.7	Target not met
●	Bluecrest	AllBlue Ltd	0.8	0.9	6.6	3.5	4.9	3.6	Target met
●	Pyrford	Global Total Return	2.0	1.0	4.2	6.1	3.6	7.0	Target not met
Total GTAA Assets			-0.5	1.3	3.8	5.7	3.0	6.0	
●	In-House	Property	5.2	4.5	14.1	19.4	7.3	10.9	Target not met
●	In-House	Infrastructure	3.9	0.9	8.4	3.5	11.1	3.6	Target met
●	In-House	Timber / Agriculture	-4.9	0.9	4.2	3.5	-1.2	3.5	Target not met
●	Wellington	Commodities	-12.7	-11.1	-15.0	-14.8	-9.1	-9.0	Target not met
Total Real Assets			0.7	-0.8	6.8	5.2	3.6	3.4	
●	Pioneer	Fund of Hedge Funds	5.0	0.9	21.0	3.5	6.8	3.6	Target met
●	SSARIS	Fund of Hedge Funds	-0.2	0.9	0.6	3.5	2.4	3.6	Target not met
●	Liongate	Fund of Hedge Funds	-0.8	1.4	3.6	5.5	2.5	5.6	Target not met
●	In-House	Private Equity	2.0	1.4	11.0	5.6	6.4	5.6	Target met
n/a	In-House	Opportunistic	6.4	1.5	20.9	5.6	n/a	n/a	n/a
Total Alpha Seeking Assets			1.7	1.3	9.5	5.2	5.5	5.2	
n/a	Insight	LDI Portfolio	17.7	17.7	n/a	n/a	n/a	n/a	n/a
Total (ex Alternatives, GTAA and LDI)			0.0	1.1	5.0	6.2	8.9	8.5	
Total (ex GTAA and LDI)			0.5	0.8	6.3	5.8	7.2	7.0	
Total (ex LDI)			0.4	0.8	6.0	5.8	6.8	6.9	
TOTAL CLWYD PENSION FUND			4.1	3.9	11.8	11.1	8.6	8.6	

Note: Performance shown is calculated by JLT Employee Benefits based on data provided by the investment managers.

4 Strategic Asset Allocation – 31 January 2015

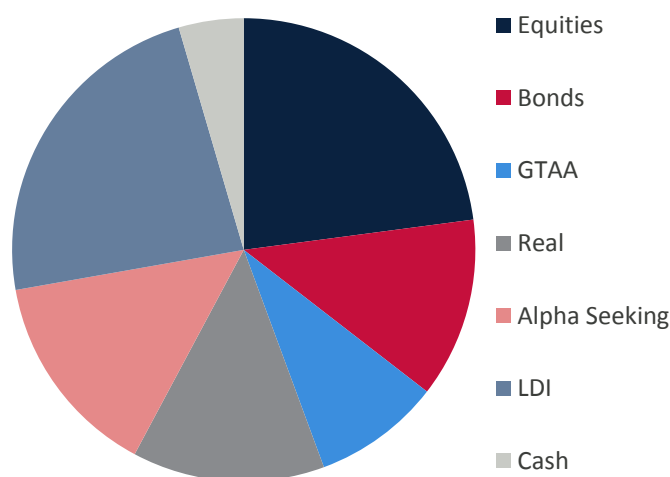
Allocation by underlying asset class

Asset Class	31 January 2015 Valuation £	Weight %	Strategic Benchmark %
Developed Market Equities	218,352,228	16.1	16.5
Emerging and Frontier Market Equities	92,154,829	6.8	7.5
Global Tactical Asset Allocation (GTAA)	120,558,812	8.9	12.0
Bonds	170,261,318	12.6	15.0
Fund of Hedge Funds	48,585,844	3.6	5.0
Property	98,560,015	7.3	7.0
Commodities	25,914,359	1.9	4.0
Private Equity	137,237,511	10.1	8.0
Infrastructure	32,021,847	2.4	2.0
Timber / Agriculture	25,533,139	1.9	2.0
Opportunistic	9,620,778	0.7	2.0
LDI	314,973,992	23.2	19.0
Cash	61,392,469	4.5	0.0
TOTAL CLWYD PENSION FUND	1,355,167,141	100.0	100.0

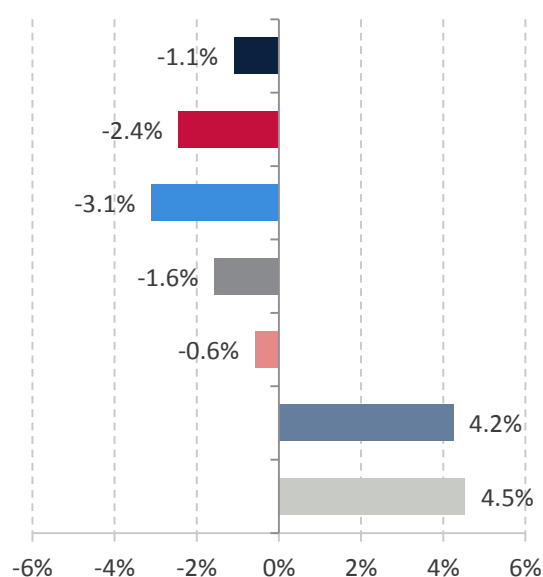
Points to note

- Allocation to LDI has risen by 0.2% over the last month and is 4.2% overweight relative to its strategic benchmark.
- The Fund’s new investment strategy (revised Strategic Asset Allocation and Conditional Asset Allocation ranges) was approved by the Committee at the 5th November 2014 meeting. Implementation is due to be undertaken in Q1 2015.

Strategic Asset Allocation as at 31 January 2015



Deviation from Strategic Benchmark



Performance of the strategic asset classes and total Fund to 31 January 2015

Manager / Fund / Benchmark	3 Months %	12 Months %	3 Years % p.a.
Total Equities	3.1	15.5	10.4
Composite Benchmark	2.7	18.6	10.7
<i>Relative</i>	0.4	-3.1	-0.3
Total Bonds	-2.4	-0.7	1.7
Composite Benchmark	0.1	0.6	0.3
<i>Relative</i>	-2.5	-1.3	1.4
Total GTAA	-0.2	2.4	1.6
Composite Benchmark	1.1	5.5	5.9
<i>Relative</i>	-1.3	-3.1	-4.3
Total Alternatives - Real Assets	1.0	7.3	4.0
Composite Benchmark	-1.6	4.3	2.6
<i>Relative</i>	2.6	3.0	1.4
Total Alternatives - Alpha Seeking Assets	3.0	10.2	6.0
Composite Benchmark	1.3	5.2	5.2
<i>Relative</i>	1.7	5.0	0.8
Total ex Alternatives, GTAA and LDI	1.1	9.6	7.9
Composite Benchmark	1.7	11.5	7.7
<i>Relative</i>	-0.6	-1.9	0.2
Total ex GTAA and LDI	1.5	9.3	6.8
Composite Benchmark	0.9	8.6	6.3
<i>Relative</i>	0.6	0.7	0.5
Total ex LDI	1.3	8.4	6.2
Composite Benchmark	0.9	8.1	6.3
<i>Relative</i>	0.4	0.3	-0.1
Total Clwyd Pension Fund	4.6	14.3	8.2
Composite Benchmark	3.8	13.5	8.1
<i>Relative</i>	0.8	0.8	0.1

Source: JLT Employee Benefits

- Manager benchmarks and target objectives were reviewed during the quarter, and a number have now been revised (please see Appendix 1 for details). These are now shown for all of the time periods detailed in this report.

5 Manager Summary – 31 January 2015

Manager	Fund	31 January 2015				
		Valuation £	Weight %	Strategic Weight %	3 Yr Performance vs Objective*	
●	Duet	Global Opportunities	49,845,854	3.7	5.0	Target not met
●	Investec	Global Strategic Equity	82,262,057	6.1	5.0	Target met
●	Aberdeen	Asia Pacific ex Japan Equities	86,244,318	6.4	6.5	Target not met
●	Wellington	Emerging Market Equities (Core)	40,136,154	3.0	6.5	Target not met
●	Wellington	Emerging Market Equities (Local)	42,590,995	3.1		Target met
n/a	Aberdeen	Frontier Markets Equities	9,427,680	0.7	1.0	n/a
Total Equity Assets			310,507,057	22.9	24.0	
●	Stone Harbor	LIBOR Multi-Strategy Portfolio	170,261,318	12.6	15.0	Target met
Total Bond Assets			170,261,318	12.6	15.0	
●	BlackRock	GASL	52,073,534	3.8	6.0	Target not met
●	Bluecrest	AllBlue Ltd	33,926,756	2.5	3.0	Target met
●	Pyrford	Global Total Return	34,558,522	2.6	3.0	Target not met
Total GTAA Assets			120,558,812	8.9	12.0	
●	In-House	Property	98,560,015	7.3	7.0	Target not met
●	In-House	Infrastructure	32,021,847	2.4	2.0	Target met
●	In-House	Timber / Agriculture	25,533,139	1.9	2.0	Target not met
●	Wellington	Commodities	25,914,359	1.9	4.0	Target not met
Total Real Assets			182,029,360	13.4	15.0	
●	Pioneer	Fund of Hedge Funds	1,571,864	0.1		Target met
●	SSARIS	Fund of Hedge Funds	24,551,103	1.8	5.0	Target not met
●	Liongate	Fund of Hedge Funds	22,462,877	1.7		Target not met
●	In-House	Private Equity	137,237,511	10.1	8.0	Target met
n/a	In-House	Opportunistic	9,620,778	0.7	2.0	n/a
Total Alpha Seeking Assets			195,444,133	14.4	15.0	
n/a	Insight	LDI assets	314,973,992	23.2	19.0	n/a
n/a	Trustee	Cash	61,392,469	4.5	0.0	n/a
TOTAL CLWYD PENSION FUND			1,355,167,141	100.0	100.0	

Note: 'n/a' against the objective is for funds that have been in place for less than three years.

* Performance objectives have been reviewed as part of a strategic review.

● Fund has met or exceeded its performance objective

● Fund has underperformed its performance objective

Manager performance to 31 January 2015

Manager / Fund			3 months %		12 months %		3 years % p.a.		3 yr Performance vs Objective
			Fund	Bmark	Fund	Bmark	Fund	Bmark	
●	Duet	Global Opportunities	0.3	2.4	-1.6	10.0	1.9	10.0	Target not met
●	Investec	Global Strategic Equity	6.4	4.6	19.9	16.9	17.8	13.2	Target met
●	Aberdeen	Asia Pacific ex Japan	3.6	4.5	19.8	20.6	6.9	8.2	Target not met
●	Wellington	Emerging Markets (Core)	1.0	1.2	9.9	15.6	2.3	2.8	Target not met
●	Wellington	Emerging Markets (Local)	2.3	1.2	18.5	15.6	8.1	2.1	Target met
n/a	Aberdeen	Frontier Markets	-2.4	-6.4	1.4	11.6	n/a	n/a	n/a
Total Equity Assets			3.1	2.7	15.5	18.6	10.4	10.7	
●	Stone Harbor	LIBOR Multi-Strategy	-2.4	0.1	-0.7	0.6	1.7	0.3	Target met
Total Bond Assets			-2.4	0.1	-0.7	0.6	1.7	0.3	
●	BlackRock	GASL	-3.9	1.6	-3.9	6.6	-2.2	6.7	Target not met
●	Bluecrest	AllBlue Ltd	2.4	0.9	8.1	3.5	5.1	3.6	Target met
●	Pyrford	Global Total Return	3.2	0.2	7.3	5.6	4.6	6.9	Target not met
Total GTAA Assets			-0.2	1.1	2.4	5.5	1.6	5.9	
●	In-House	Property	5.1	3.9	14.4	19.1	8.5	11.1	Target not met
●	In-House	Infrastructure	4.8	0.9	10.5	3.5	12.1	3.6	Target met
●	In-House	Timber / Agriculture	-4.8	0.9	5.9	3.5	0.0	3.5	Target not met
●	Wellington	Commodities	-11.4	-12.8	-16.1	-17.0	-11.5	-11.8	Target not met
Total Real Assets			1.0	-1.6	7.3	4.3	4.0	2.6	
●	Pioneer	Fund of Hedge Funds	12.4	0.9	23.1	3.5	9.0	3.6	Target met
●	SSARIS	Fund of Hedge Funds	0.1	0.9	0.2	3.5	2.6	3.6	Target not met
●	Liongate	Fund of Hedge Funds	0.3	1.4	2.5	5.5	1.7	5.6	Target not met
●	In-House	Private Equity	3.4	1.4	13.7	5.5	7.3	5.6	Target met
n/a	In-House	Opportunistic	9.2	1.4	6.6	5.6	n/a	n/a	n/a
Total Alpha Seeking Assets			3.0	1.3	10.2	5.2	6.0	5.2	
n/a	Insight	LDI Portfolio	16.3	16.3	n/a	n/a	n/a	n/a	n/a
Total (ex Alternatives, GTAA and LDI)			1.1	1.7	9.6	11.5	7.9	7.7	
Total (ex GTAA and LDI)			1.5	0.9	9.3	8.6	6.8	6.3	
Total (ex LDI)			1.3	0.9	8.4	8.1	6.2	6.3	
TOTAL CLWYD PENSION FUND			4.6	3.8	14.3	13.5	8.2	8.1	

Note: Performance shown is calculated by JLT Employee Benefits based on data provided by the investment managers.



Appendix 1: Summary of Mandates

Manager	Fund	Mandate	Benchmark	Objective	Strategic Weight	Tactical Range
Duet	Global Opportunities	Unconstrained Global Equities	Absolute Return	10-15% p.a. abs	5.0%	+/-1%
Investec	Global Strategic Equity	Unconstrained Global Equities	MSCI AC World Index	+2.5% p.a. (net)	5.0%	+/-1%
Aberdeen	Asia Pacific ex Japan	Asia Pacific ex Japan Equities	MSCI AC Pacific (ex Japan) Index	+3.5% p.a.	6.5%	+/-1%
Wellington	Emerging Market (Core)	Emerging Markets Equities	MSCI Emerging Markets Index	+2.5% p.a.	6.5%	+/-1%
Wellington	Emerging Market (Local)	Emerging Markets Equities	MSCI Emerging Markets Index	+2.5% p.a.		
Aberdeen	Frontier Markets	Frontier Markets Equities	MSCI Frontier Equities Index	+3.0% p.a.	1.0%	-
Stone Harbor	LIBOR Multi-Strategy Portfolio	Multi-Asset Credit	1 Month LIBOR Index	+1.0% p.a.	15.0%	+/- 2%
BlackRock	GASL	Global Tactical Asset Allocation	3 Month LIBOR Index +6.0% p.a.	Outperform	6.0%	+/- 1%
Bluecrest	AllBlue Ltd	Global Tactical Asset Allocation	1 Month LIBOR Index +3.0% p.a.	Outperform	3.0%	+/- 1%
Pyrford	Global Total Return	Global Tactical Asset Allocation	UK Retail Price Index +4.4% p.a.	Outperform	3.0%	+/- 1%
Pioneer	Fund of Hedge Funds	Fund of Hedge Funds	1 Month LIBOR Index +3.0% p.a.	Outperform		-
SSARIS	Fund of Hedge Funds	Fund of Hedge Funds	1 Month LIBOR Index +3.0% p.a.	Outperform	5.0%	-
Liongate	Fund of Hedge Funds	Fund of Hedge Funds	1 Month LIBOR Index +5.0% p.a.	Outperform		
In-House	Private Equity	Private Equity	1 Month LIBOR Index +5.0% p.a.	Outperform	8.0%	+/- 3%
In-House	Opportunistic	Opportunistic	1 Month LIBOR Index +5.0% p.a.	Outperform	2.0%	
In-House	Property	Property	IPD Balanced Funds Weighted Average	Outperform	7.0%	
In-House	Infrastructure	Infrastructure	1 Month LIBOR Index +3.0% p.a.	Outperform	2.0%	+/- 3%
In-House	Timber / Agriculture	Timber / Agriculture	1 Month LIBOR Index +3.0% p.a.	Outperform	2.0%	
Wellington	Commodities	Commodities	S&P GSCI Equal Weighted (Hedged)	+0.7% p.a. (net)	4.0%	
Insight	LDI Portfolio	LDI & Synthetic Equities	Composite Liabilities & Synthetic Equity	Outperform	19.0%	TBC

Note: Manager benchmarks and target objectives were reviewed during the quarter, and a number have now been revised.



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