

London Borough of Bromley Pension Fund

Actuarial Valuation as at 31 March 2010
Valuation Report

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Public Sector Consulting

24 March 2011

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Dear Sirs

Actuarial Valuation as at 31 March 2010

We have carried out an actuarial valuation of the London Borough of Bromley Pension Fund ("the Fund") as at 31 March 2010.

The valuation is being carried out in accordance with Regulation 36 of The Local Government Pension Scheme (Administration) Regulations 2008 ("the Regulations") as amended.

The purpose of this report is to set out the results of the actuarial valuation of the Fund.

This report is addressed to the London Borough of Bromley Pension Fund as administering authority to the Fund. It is not intended to assist any user other than London Borough of Bromley in making decisions. Neither we nor Barnett Waddingham LLP accepts any liability to third parties in respect of this report.

This report has been written in accordance with "Technical Accounting Standard R: Reporting Actuarial Information" and "Technical Actuarial Standard D: Data" issued by the Board for Actuarial Standards and actuarial guidance note "GN9: Funding Defined Benefits – presentation of actuarial advice", insofar as they apply to the LGPS.

Our report is set out in the following sections.

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1 Introduction

1.1 Purpose of the Valuation

- 1.1.1 The main purpose of the valuation is to review the financial position of the Fund and to determine the rate at which the employing bodies participating in the Fund should contribute in the future to ensure that the existing assets and future contributions will be sufficient to meet future benefit payments from the Fund.
- 1.1.2 The figures in this report count as part of a “planning exercise” for the purposes of the Board for Actuarial Standards’ Technical Actuarial Standard R. This means the primary purpose of the figures is for “budgeting” or “target setting” – in this case setting the future levels of employer contributions payable to the Fund.

1.2 Previous Valuation

- 1.2.1 The last formal actuarial valuation of the Fund was carried out as at 31 March 2007 by ourselves and the results of that valuation were set out in the formal valuation report dated March 2008.
- 1.2.2 The results of the previous valuation indicated that the assets of the Fund represented 81% of the accrued liabilities of the Fund. The Total Required Contribution Rate was certified as 24.3% of payroll which assumed that the past service funding level would be restored over a period of 12 years.

1.3 Changes to the LGPS

- 1.3.1 The 2010 Emergency Budget announced that in future, the pension increase orders will be linked to the Consumer Price Index or CPI rather than RPI.
- 1.3.2 Also, it was announced that State Pension Age will be increased to age 66 for both men and women from 2020 which is likely to influence future retirement patterns.
- 1.3.3 A new independent pensions commission, led by Lord Hutton has also been created to investigate pension reform across the public sector. We anticipate some changes to the LGPS in future although at this stage it is difficult to assess what they might be.
- 1.3.4 Full current details of the current benefits and contribution structure are set out in Appendix 6.

2 Valuation Data

2.1 Data Sources

2.1.1 We have used the following items of data as provided by the London Borough of Bromley.

- Membership extract as at 31 March 2010. The membership data has been checked for reasonableness and any missing or inconsistent data has been estimated where necessary. Whilst this should not be seen as a full audit of the data, we are happy that the data is sufficiently accurate for the purposes of the valuation.
- Fund accounts for the 3 years to 31 March 2010.

2.1.2 A summary of the data is set out in Appendix 2.

2.2 Assets

2.2.1 The asset allocation of the Fund as at 31 March 2010 was as follows:

Assets at This Valuation	31 March 2010	
	£(000)	%
UK Equities	111,971	25%
Overseas Equities	262,948	59%
Corporate Bonds	67,283	15%
Cash	5,594	1%
UK Gilts	-	-
Overseas Bonds	-	-
Property	-	-
Other assets	-	-
Alternative assets	-	-
Total	447,796	100%

2.2.2 We estimate that the annual return on the assets in market value terms for the 3 years to 31 March 2010 was approximately 6.8% per annum.

2.3 Benefits

2.3.1 Since the previous valuation changes to the benefits have been introduced with effect from 1 April 2008.

2.3.2 The benefits being valued including these changes are as set out in the Regulations governing the Local Government Pension Scheme ("the LGPS") and are summarised in Appendix 6.

3 Actuarial Methods and Assumptions

3.1 Valuation Method

- 3.1.1 For the purposes of this valuation we have, as in the past, adopted an approach which separately considers the benefits in respect of service completed before the valuation date (“past service”) and benefits in respect of service expected to be completed after the valuation date (“future service”). This approach enables us to focus on:-
- 3.1.2 The past service funding level of the Fund. This is the ratio of accumulated assets to liabilities in respect of past service after making allowance for future increases to members’ pay and pensions in payment. A funding level in excess of 100% indicates a surplus of assets over liabilities; a funding level of less than 100% indicates a deficit.
- 3.1.3 The future service funding rate i.e. the level of contributions required from the employing bodies to support the cost of benefits building up in future.
- 3.1.4 There are various “funding methods” that can be used to determine the cost of providing benefits. The method we have adopted for employers open to new staff at this valuation is known as the “Projected Unit Method”. The key feature of this method is that in assessing the future service cost we calculate the contribution rate which meets the cost of one year of benefit accrual.
- 3.1.5 For employers that are closed to new staff we have used the Attained Age Method. The key feature of this method is that we assess the average contribution required to fund the benefits earned until retirement.
- 3.1.6 This is the same approach as adopted at the previous valuation.

3.2 Valuation Assumptions

- 3.2.1 The next step is to formulate assumptions about the factors affecting the Fund's future finances such as inflation, pay increases, investment returns, rates of mortality, early retirement and staff turnover etc.
- 3.2.2 Future levels of pay increases will determine the level of benefits to be paid in future in respect of active members as well as the contributions that will be received by the Fund. Once in payment, pension benefits, in excess of Guaranteed Minimum Pensions (“GMPs”) are linked to the Retail Prices Index through increases granted in line with the Pensions (Increase) Act 1971. Although in future pension benefits will be linked to the CPI rather than RPI.
- 3.2.3 The cost of providing for benefits, however, depends not only upon the amount but also the incidence of benefits paid i.e. at what point in the future benefits begin to be paid and, for pension benefits, for how long they continue to be paid.

3.2.4 As money is being set aside now to provide for benefits payable in the future i.e. the benefits are being prefunded, then part of the cost of providing the benefits can be met from investment returns achieved by the Fund's assets. These assets build up from contributions paid by scheme members and participating employers to the Fund.

3.2.5 The assumptions adopted at the valuation can therefore be considered as:-

- The statistical assumptions which generally provide estimates of the likelihood of benefits and contributions being paid, and,
- The financial assumptions which determine the estimates of the amount of benefits and contributions payable as well as their current or present value.

3.2.6 We examine the assumptions in more detail in the next two sections of our report.

3.3 Funding Model

3.3.1 At this valuation we have used a market related funding model. The key features of the model are as follows:

3.3.2 Assumed future levels of retail price inflation are derived by considering the difference between index-linked gilt and fixed-interest gilt yields at the valuation date, as published by the Bank of England. At this valuation we have also included an adjustment known as an inflation premium. This inflation premium is deducted from the market implied inflation assumption to reflect the expectation that market implied inflation tends to overstate actual retail price inflation.

3.3.3 Pay increases are assumed to exceed future retail price inflation based on past experience and expectations of future experience.

3.3.4 Pension increases are assumed to be in line with CPI rather than RPI. It is assumed that CPI will be 0.5% per annum less than RPI, consistent with the historical average.

3.3.5 The expected future return from equities is based on dividend yields at the valuation date in addition to an allowance for real capital growth in asset values.

3.3.6 Rather than take "spot" yields and market values of assets at the valuation date we have used smoothed yields and asset values spanning the 6 month period around the valuation date.

3.3.7 The discount rate used to discount future payments to and from the Fund and so determine the value placed on the liabilities reflects the risk adjusted expected return that will be earned by the actual investment strategy adopted by the Fund.

3.3.8 Under TAS R a "funding model" is referred to as a "measure".

4 Financial Assumptions and Experience

4.1.1 The derivation of the key financial assumptions adopted at this valuation and how they compared as at the previous valuation are set out below. Further details in Appendix 4.

4.2 Future Retail Price Inflation

4.2.1 The base assumption is the future level of retail price inflation. This is derived by considering the difference in yields from conventional and index linked gilts using the Bank of England Inflation Curve and then adjusting by an inflation premium.

4.3 Future Pension Increases

4.3.1 Previously, pension increases were assumed to be in line with retail price increases. The 2010 Emergency Budget announced that in future, the pension increase orders will be linked to the CPI rather than RPI. We have therefore assumed that pension increases will be 0.5% less than the price inflation assumption. i.e. 3.0% per annum.

4.3.2 The following table shows smoothed and spot bond yields at both valuation dates and the derivation of future implied retail price inflation derived from gilt yield differentials.

	March 2010		March 2007	
	Smoothed	Spot	Smoothed	Spot
	% p.a.	% p.a.	% p.a.	% p.a.
Corporate bonds	5.6%	5.5%	5.4%	5.4%
Conventional gilt yields	4.5%	4.5%	4.7%	4.7%
Index linked gilt yields	0.8%	0.7%	1.3%	1.3%
Implied inflation	3.7%	3.9%	3.4%	3.4%
Inflation Premium	(0.3%)	(0.3%)		
RPI assumption	3.5%	3.7%	3.4%	3.4%
CPI assumption	3.0%	3.2%		

4.4 Future Pay Inflation

4.4.1 As benefits are currently linked to pay levels at retirement, an assumption has to be made about future levels of pay inflation. Historically there has been a close link between price and pay inflation with pay increases in excess of price inflation averaging out at between 1% and 3% per annum depending on economic conditions.

4.4.2 The assumption adopted at the previous valuation was that pay increases, over and above increases due to promotion and other increments (or “salary scales”), would exceed price inflation by 1.5% per annum in the longer term.

4.4.3 However in anticipation of Government policy we have completed calculations assuming a short term “pay freeze” for 2 years for those earning over £21,000 per annum.

4.4.4 At this valuation we have adopted the same salary scales as adopted at the previous valuation.

4.5 Future Investment Returns/Discount Rate

4.5.1 To determine the value of accrued liabilities and future contribution requirements at any given point in time it is necessary to discount future payments to and from the Fund. There are a number of different approaches which can be adopted in deriving the discount rate to be used. FRS 17 for example requires that the discount rate is related only to yields from corporate bonds.

4.5.2 In our view the discount rate adopted should depend on the purpose of the valuation and the overall funding objectives. The regulations require the actuary to adopt methods and assumptions which produce stable levels of employer contributions. In our view therefore, to help achieve this objective, the discount rate should reflect the expected investment return to be achieved from the underlying investment strategy.

4.5.3 In determining the assumption to be made in relation to future investment returns it is necessary to consider the investment strategy of the Fund and the resulting expected future return earned by the assets held.

4.5.4 The investment strategy of the Fund is to invest the assets in a mix of equities, bonds and alternative assets.

4.5.5 Redemption yields from gilts give an indication of the future rates of return from these asset classes. Redemption yields from corporate bonds are also readily available. There is however no comparable market indicator to derive the market expected future return from investing in equities, property or other alternative assets.

4.5.6 It is however possible to model future returns from equities by considering current dividend yields and making an assumptions regarding future growth in capital values.

4.5.7 The following table sets out the derivation of the expected return from equities at the valuation date.

Smoothed Equity Returns	March 2010
	% p.a.
Equity Risk Premium	
Net equity yield	3.3%
Inflation	3.5%
plus assumed real capital return	0.8%
Equity Return	7.5%

4.5.8 It would also be possible to derive the expected future return from other asset classes such as property and alternative asset classes. Intuitively we might expect that returns from asset classes other than equities and gilts might be expected to return somewhere between gilts and equities.

4.5.9 Accordingly we have assumed that the return from other alternative asset classes is the same as the expected return from equities.

- 4.5.10 We then derive the discount rate as firstly, the weighted average of future expected returns from the various asset classes based on the actual asset allocation as at the valuation date.
- 4.5.11 We then include a risk adjustment to the discount rate to reflect the amount of equity risk being taken relative to gilts. For a Fund with 75% or less exposure to equity type investments the risk adjustment is nil. For a Fund with more than 75% in equity type investments the reduction in discount rate is 50% of the extra return expected from the actual strategy compared to one invested 75% in equity type investments.
- 4.5.12 Finally to accommodate any extreme market conditions at the valuation date the resulting real discount rate is constrained to 4% per annum.
- 4.5.13 In summary therefore we have adopted the following assumptions.

Financial Assumptions	March 2010		March 2007	
	% p.a.	Real % p.a.	% p.a.	Real % p.a.
Investment Return				
Equities/absolute return funds	7.5%	4.0%		
Gilts	4.5%	1.0%		
Bonds & Property	5.6%	2.1%		
Discount Rate	7.2%	3.7%	6.9%	3.5%
Risk Adjusted Discount Rate	6.9%	3.4%		
Pay Increases	5.0%	1.5%	4.9%	1.5%
Price Inflation	3.5%	-	3.4%	
Pension Increases	3.0%	(0.5%)	3.4%	

- 4.5.14 Note that the pay increase assumption is zero for 2 years for those earning over £21,000.
- 4.5.15 The key assumption in determining the valuation of the liabilities is the real discount rate. As we see the real discount rate is broadly similar to the 2007 assumption.

4.6 Intervaluation Experience - Financial

4.6.1 The following table sets out the financial experience of the Fund during the intervaluation period compared to the assumptions adopted at the previous valuation.

Financial Experience	Actual % p.a.	Assumed % p.a.	Difference % p.a.
Investment Return	6.8%	6.9%	(0.1%)
Estimated Pay Increases	4.8%	4.9%	(0.1%)
Price Inflation/Pension Increases	2.9%	3.4%	(0.5%)

4.6.2 The principal conclusions are:

- Investment returns were slightly less than assumed.
- Pay increases were slightly less than expected.
- Pension increases were less than expected.

4.6.3 Overall the financial experience of the Fund during the intervaluation period compared to the assumptions adopted at the previous valuation was not particularly significant.

5 Demographic Experience and Assumptions

5.1 Statistical Experience – Active Members

- 5.1.1 The following table sets out the actual number of membership movements amongst active members during the intervaluation period compared to the assumptions adopted at the previous valuation.

Active Membership Movements	Actual	Assumed	Difference %
Early Leavers	1,459	1,142.7	28%
Deaths in Service	17	22.5	(25%)
Retirements			
Ill health	24	33.9	(29%)
Age	324		
Voluntary	11		
Redundancy	35		
Efficiency	4		
Total	398		

- 5.1.2 There were more early leavers than expected and fewer ill-health retirements than expected.
- 5.1.3 Overall the demographic experience of the Fund during the intervaluation period compared to the assumptions adopted at the previous valuation was a positive factor during the intervaluation period.
- 5.1.4 We have adjusted our pre retirement assumptions to better reflect recent actual experience.

5.2 Pensioner Mortality

- 5.2.1 Mortality investigations over the last few years have concluded that the population across the UK is living longer and that this improvement will continue at a faster rate than seen in the past. Our analysis of LGPS pensioner longevity over the course of the last 20 years or so confirms that pensioners are living longer although experience does vary across the country and from Fund to Fund.
- 5.2.2 The following table sets out the actual and expected mortality of pensioners during the intervaluation period.

Pensioner Deaths By Number	Pensioners	Dependants	Total
Actual	248	111	359
Assumed	228	71	299
% Difference	9%	57%	20%
By Amount of Pension	£(000)	£(000)	£(000)
Actual	1,117	288	1,405
Assumed	1,054	190	1,243
% Difference	6%	52%	13%

- 5.2.3 The number of pensioners dying during the intervaluation period was higher than expected. In terms of the amount of pension ceasing then this was also more than expected.
- 5.2.4 Overall the mortality experience over the intervaluation period had a positive impact on the financial position of the Fund in that the amount of pension ceasing was more than expected.
- 5.2.5 We have reviewed the mortality assumptions adopted at this valuation which bring the assumptions closer to recent experience but also allow for improvements in mortality over the next 20 years.

5.3 Retirement Ages – Active Members

- 5.3.1 At the previous valuation it was assumed that active members will retire as soon as they are able to on unreduced benefits without requiring employer consent – typically satisfying the Rule of 85 but no earlier than age 60 nor later than age 65.
- 5.3.2 Experience suggests that whilst the Rule of 85 is an influencing factor on when active members choose to retire, State Pension Age is also a major factor, as for many active members, they need the additional income payable from the State before they can afford to retire.
- 5.3.3 There are existing plans in place to increase State Pension Age albeit very slowly. The new Government have however indicated that State Pension Age will be 66 from 2020.
- 5.3.4 It is difficult to assess what the impact will be but we have completed calculations assuming that active members will retire 1 year later than the date they would be entitled to retire and receive unreduced benefits.

6 Valuation Results

6.1 Past Service Funding Position and Contribution Rates

6.1.1 The following table sets out the valuation results for the Fund. We show

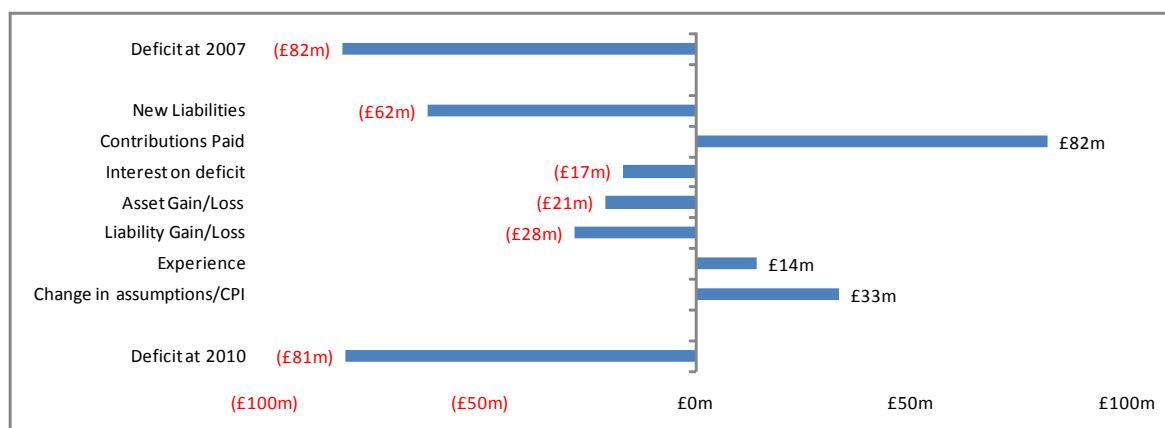
- The past service funding position
- The required average ongoing employer contribution rate for future service benefits
- The required total employer contribution rate to restore the funding position to 100% over a 12 year period following the valuation date.

Past Service Funding Position		£(000)
Smoothed Asset Value		429,193
Past Service Liabilities		
Active Members		194,718
Deferred Pensioners		70,143
Pensioners		245,781
Value of Scheme Liabilities		510,642
Surplus (Deficit)		(81,449)
Funding Level		84%
Employer Contribution Rates		% of Payroll
Future Service Contribution Rate		14.7%
Deficit recovery (12 years)		8.3%
Total Contribution Rate		23.0%

6.1.2 Adopting a longer recovery period produces a lower total required contribution rate. However the longer the recovery period the more contributions are actually paid.

6.2 Reconciliation of Past Service Position

6.2.1 A reconciliation of the intervaluation experience on the past service position in the 3 years to the valuation date is set out in the following chart.



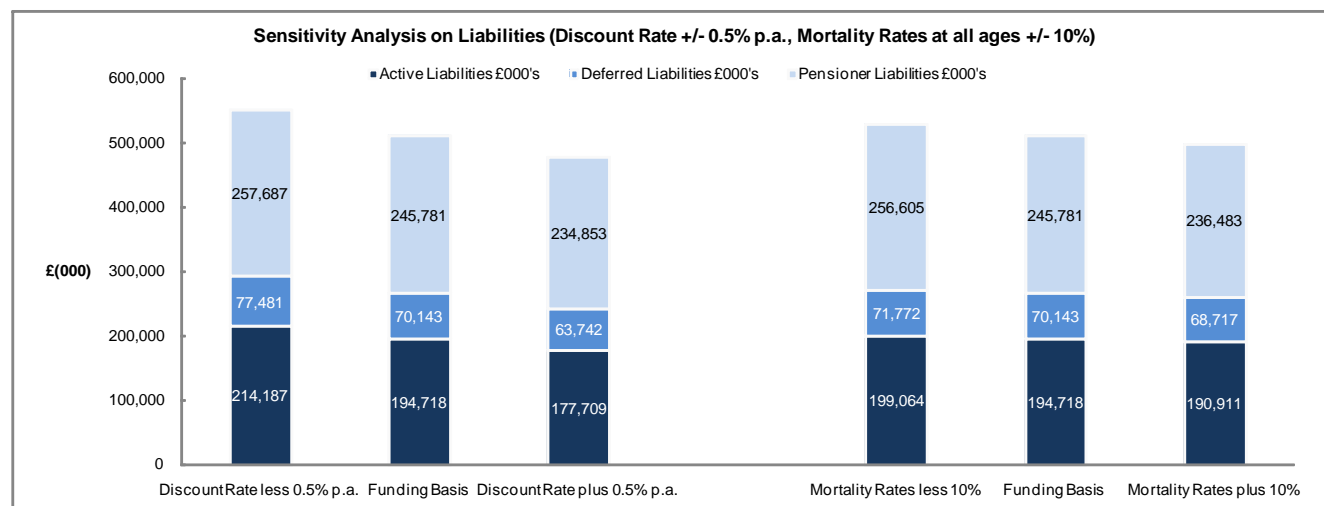
6.2.2 As we can see, overall the deficit was largely unchanged during the intervaluation period.

6.3 Sensitivity Analysis

6.3.1 It is important that it is understood that the valuation results for the Fund are based on the assumptions used to determine the liabilities. Changes to the adopted assumptions will affect the funding position of the Fund and required contribution rates.

6.3.2 In order to illustrate this, a number of calculations have been carried out to highlight the sensitivity of the funding position to the assumptions adopted, focusing on the assumptions to which the funding position is most sensitive.

6.3.3 To highlight the sensitivity of the funding position to changes in the discount rate, we have considered the impact of changing this assumption by 0.5% p.a. in either direction. We have also considered the impact of mortality rates at all ages being either 10% higher or lower than assumed. The results of this analysis is shown in the chart below:



7 Comments and Conclusions

7.1 Financial Position

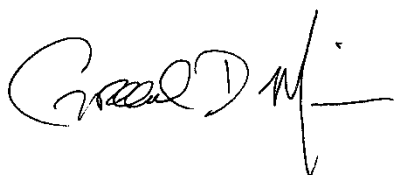
- 7.1.1 The funding level has shown a modest improvement since the 2007 valuation principally as a result of the CPI changes and other assumption changes.

7.2 Employer Contribution Rates

- 7.2.1 The contribution rates that we have certified have been set to fund each employer's share of the deficiency in the Fund over the next 12 years.
- 7.2.2 The certified contribution rates for each employer are set out in our certificate in Appendix 5.

7.3 New Employers joining the Fund

- 7.3.1 We would recommend that any new small employers or admitted bodies joining the Fund with no previous interest in the Fund should be referred to us for individual calculation as to the required level of contribution.
- 7.3.2 Any employer who ceases to participate in the Fund should be referred to us in accordance with Regulation 38.
- 7.3.3 We would be pleased to answer any questions arising from this report.



Graeme D Muir FFA



Alison Hamilton FFA

Appendix 1. Valuation Method

Valuation of Liabilities

Using our assumptions we estimate the payments which will be made from the Fund throughout the future lifetime of existing active members, deferred benefit members, pensioners and their dependants. We then calculate the amount of money which, if invested now would be sufficient together with the income and growth in the accumulating assets to make these payments in future, using our assumption about investment returns.

This amount is called “the present value” (or, more simply, “the value”) of members benefits. Separate calculations are made in respect of benefits arising in relation to service before the valuation date (“past service”) and for service after the valuation date (“future service”).

Past Service Funding Level

A comparison is made of the value of the existing assets with the value of benefits in relation to past service (allowing for future pay and pension increases). If there is an excess of assets over past service liabilities then there is a past service surplus. If the converse applies there is a past service deficiency.

Future Service Funding Rate

The first stage is to calculate the value of benefits accruing to existing active members in the future, by reference to projected pay as at the date of retirement or earlier exit.

For employers that are still open to new staff we have used the Projected Unit Method which considers the benefits accruing in the year following the valuation date. The value of benefits accruing in the year following the valuation date is then expressed as a percentage of payroll over the same period having first deducted the equivalent contribution paid by the active members.

The method described above results in a stable, long term contribution rate over time, if the assumptions adopted are borne out in practice and there is a steady flow of new entrants to the Fund. If the admission of new entrants is such that the average age of the membership profile increases then the contribution rate calculated at future valuations would be expected to increase.

For employers that are closed to new staff we have used the Attained Age Method. The key feature of this method is that we assess the average contribution required to fund the benefits earned until retirement.

Valuation of Assets

Assets have been valued at a 6 month smoothed market value straddling the valuation date.

Appendix 2. Valuation Data

A summary of the membership records submitted for the valuation is as follows.

Active Members			Actual Pensionable Pay		Average	
	Number		£ (000)		£	
Full Time	2010	2007	2010	2007	2010	2007
Males	772	834	25,502	25,277	33,034	30,308
Females	1,074	1,161	31,817	30,140	29,624	25,961
Part Time						
Males	213	161	2,404	1,466	11,286	9,106
Females	3,074	2,579	30,797	22,088	10,019	8,565
Total	5,133	4,735	90,520	78,972	17,635	16,678

Pensioners			Annual Pensions		Average	
	Number		£ (000)		£	
	2010	2007	2010	2007	2010	2007
Males	1,533	1,414	10,367	8,564	6,762	6,057
Females	2,256	1,912	7,047	5,591	3,124	2,924
Dependants	721	676	1,725	1,596	2,393	2,361
Total	4,510	4,002	19,139	15,751	4,244	3,936

Deferred Pensioners (incl "undecideds")			Annual Pensions		Average	
	Number		£ (000)		£	
	2010	2007	2010	2007	2010	2007
Males	1,174	1,143	2,285	2,471	1,946	2,162
Females	3,211	2,633	3,444	3,071	1,073	1,166
Total	4,385	3,776	5,729	5,542	1,306	1,468

Notes

- The numbers relate to the number of records and so will include members in receipt of or potentially in receipt of more than one benefit.
- Annual pensions are funded items only include pension increases up to and including the 2010 PI Order.
- Pensionable pay is actual earnings.

A summary of the assets held by the Fund at the valuation date is as shown below.

Assets at This Valuation	31 March 2010	
	£(000)	%
UK Equities	111,971	25%
Overseas Equities	262,948	59%
Corporate Bonds	67,283	15%
Cash	5,594	1%
UK Gilts	-	-
Overseas Bonds	-	-
Property	-	-
Other assets	-	-
Alternative assets	-	-
Total	447,796	100%

		Year to	March 2010	March 2009	March 2008	TOTAL
Revenue Accounts			£ (000)	£ (000)	£ (000)	£ (000)
EXPENDITURE	Retirement Pensions		18,350	16,848	15,798	50,996
	Retirement Lump Sum		5,530	4,409	4,387	14,326
	Death Benefits		340	400	302	1,042
	Leavers benefits		4,223	1,473	4,190	9,886
	Expenses		763	788	729	2,280
	Other Expenditure		-	-	-	-
			29,206	23,918	25,406	78,530
TOTAL						
INCOME	Employees Ctbns		6,152	5,850	5,036	17,038
	Employers Ctbns		23,028	21,045	20,574	64,647
	Transfer Values		4,457	3,174	5,152	12,783
	Investment Income		4,956	6,340	5,021	16,317
	Other Income		-	-	-	-
TOTAL			38,593	36,409	35,783	110,785
Fund Value			£ (000)	£ (000)	£ (000)	£ (000)
Assets at Start of Year			299,153	361,679	351,016	351,016
Cashflow			9,387	12,491	10,377	32,255
Change in value			139,256	(75,017)	286	64,525
Assets at End of Year			447,796	299,153	361,679	447,796
Annual Returns						
Approx Rate of Return			47.9%	-18.8%	1.5%	6.8%

Appendix 3. Actuarial Assumptions

The valuation process is essentially a projection of future cashflows into and out of the Fund. The amount of future cashflows out of the Fund i.e. benefits provided will depend on rates of future pay increases and price inflation. The timing or incidence of the cashflows will depend upon future rates of retirement, mortality etc.

As money is being set aside now to provide for benefits payable in the future then part of the cost of providing the benefits can be met from investment returns achieved by the Fund's assets which then build up. The higher the rate of return achieved by the assets the lower the contribution requirement that has to be paid in future to meet the cost of the benefits.

Financial Assumptions

The principal financial assumptions adopted in the valuation are therefore as follows:-

Price Inflation

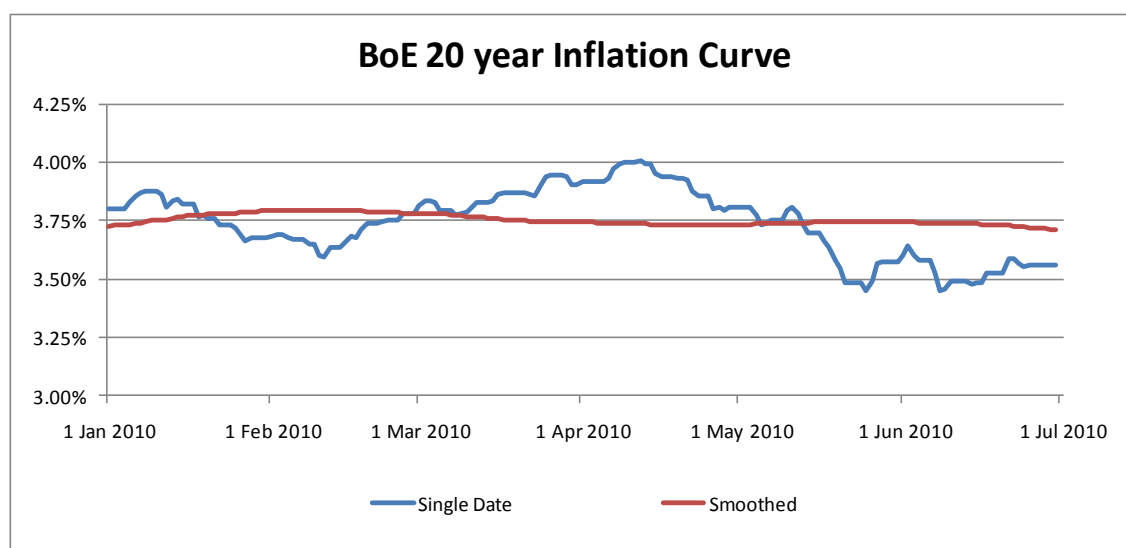
There are number of ways try to estimate what future levels of inflation might be.

One approach would be to look at the long term trend in the past although much depends on the measurement period.

In these days of "marked to market" valuations, the usual approach is to look at the difference between yields from fixed-interest and index-linked gilts.

At this valuation we have looked at 20 year Bank of England Inflation curve which is the level of future RPI over the next 20 years as implied by the gilt market.

The following chart shows this on a daily basis during the 6 month period straddling the valuation date. We have also shown the smoothed or rolling average observation over that period.

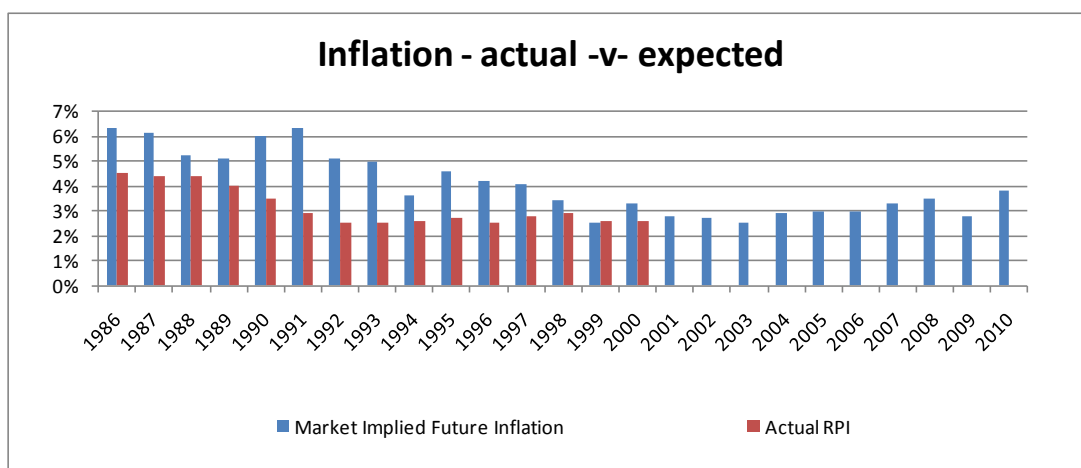


However one of the issues in adopting such an approach is the arguably imperfect nature of the gilt market. The supplier of gilts (the Government) is a reluctant supplier, especially for long-dated gilts (which are the ones which are most useful for estimating future inflation for pension schemes).

On the demand side, there are certain institutions (insurance companies for example) who are essentially “forced holders” of gilts to meet various solvency requirements. Accordingly, the pricing of gilts is not perfect.

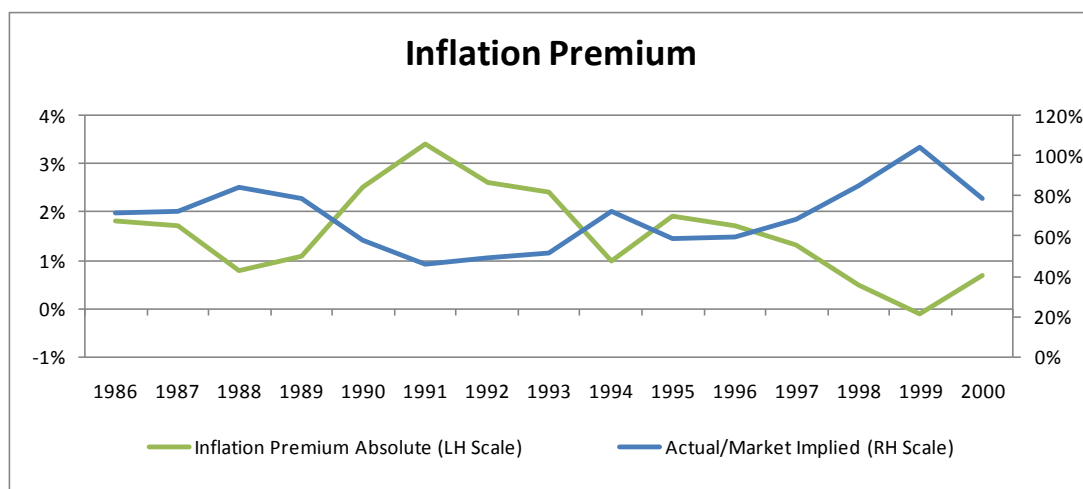
There is also the issue of what is known as the “inflation premium”. The argument is that investors will pay a premium for inflation protection and so arguably index-linked gilts are “more expensive” than fixed-interest gilts or equivalently index-linked gilt yields are lower than they might otherwise be.

The following chart shows how the gilt market implied 10 year inflation level at the beginning of each year has compared with the resulting 10 year actual level of inflation.



As we see the market implied level of inflation has consistently over-estimated the actual level of inflation.

The following chart shows the inflation premium both at an absolute level – the difference between actual and expected inflation and in relative terms (actual/expected).



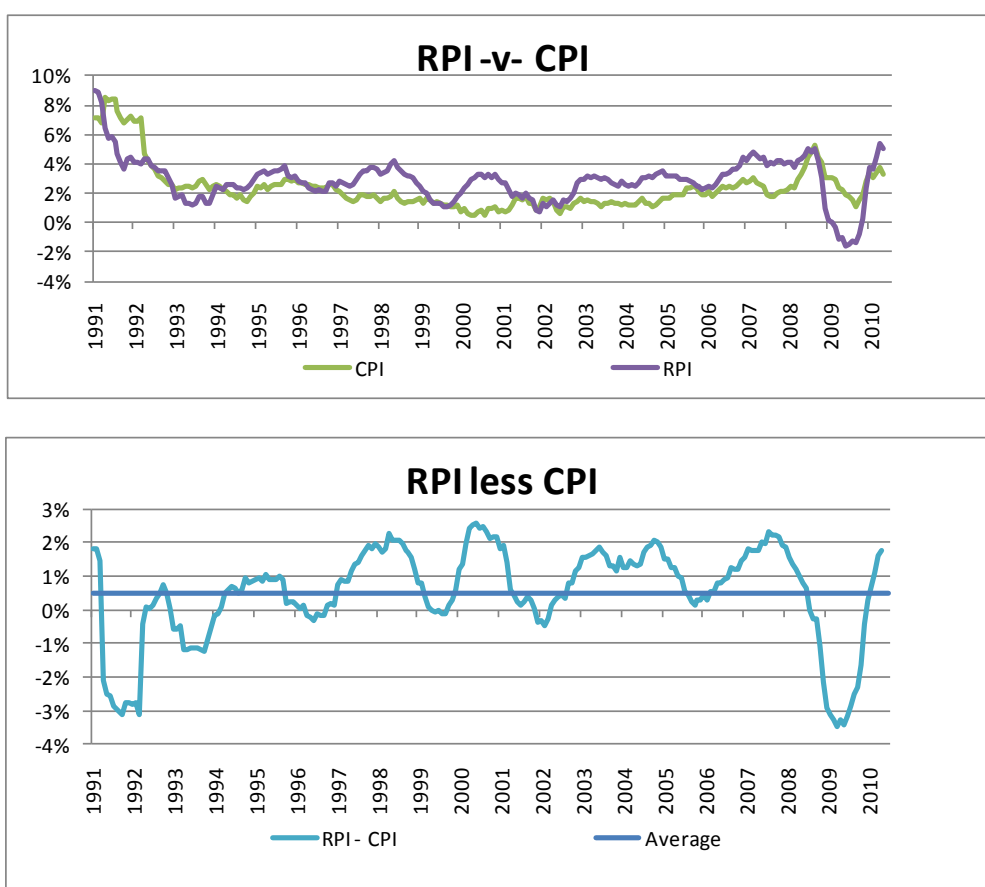
Pension Increases

The Retail Price Index has long been the established measure of inflation in the UK. It measures the change in prices of number of things including housing costs such as mortgage interest payments.

However in the 1990's the Government introduced the Consumer Price Index which is based on the prices of a range of consumer goods – similar to the RPI but it specifically excludes housing costs. The CPI is now the favoured measure the Government uses for measuring inflation in the economy.

The 2010 Emergency Budget delivered by George Osborne announced that in future, the pension increase orders will be linked to the CPI rather than RPI. This was expected to save some pennies implying that the Government expects CPI to be below RPI.

The following chart show how the 2 have compared since 1990.



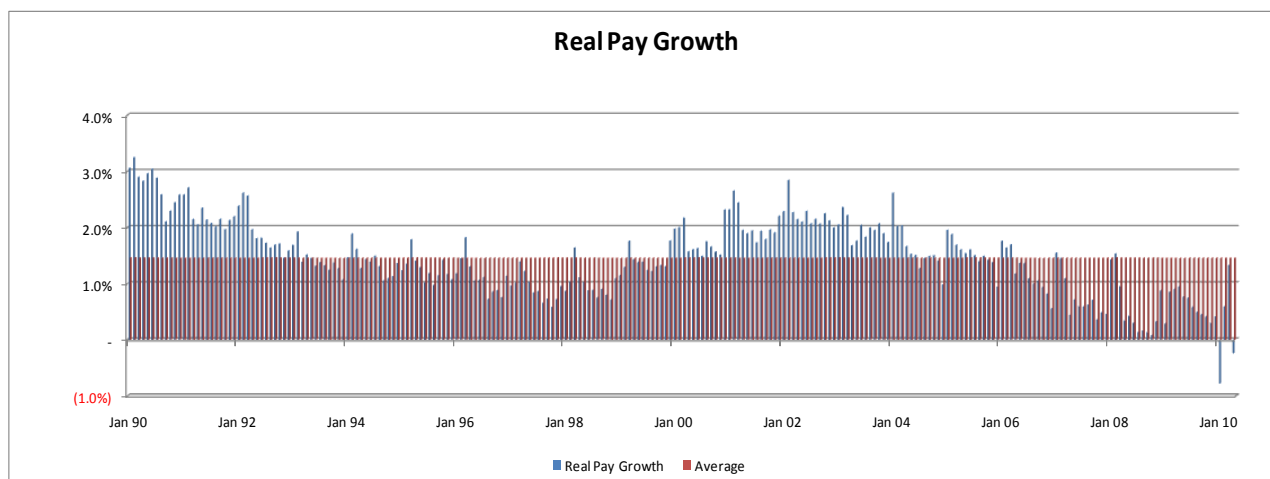
As we see RPI has indeed generally been higher the CPI and the average “gap” over the last 20 years has been around 0.5% per annum.

Thus, if this past trend continues then we would expect future pension increases to be 0.5% less than previously projected.

Pay Increases

Having determined our assumption about future levels of price inflation, the next stage is to assess future levels of pay increases relative to price inflation.

Historically there is, not surprisingly, a strong correlation between pay and price inflation as we see in the following charts.



The trend has been that real pay increases have been around 1% to 3% per annum although as overall levels of inflation have reduced so too has the level of real pay growth. The long term average is 1.5% more than RPI although there is evidence of a declining trend.

At this valuation we have assumed that long term future salary growth will be 1.5% more than RPI in the longer term.

Investment Returns

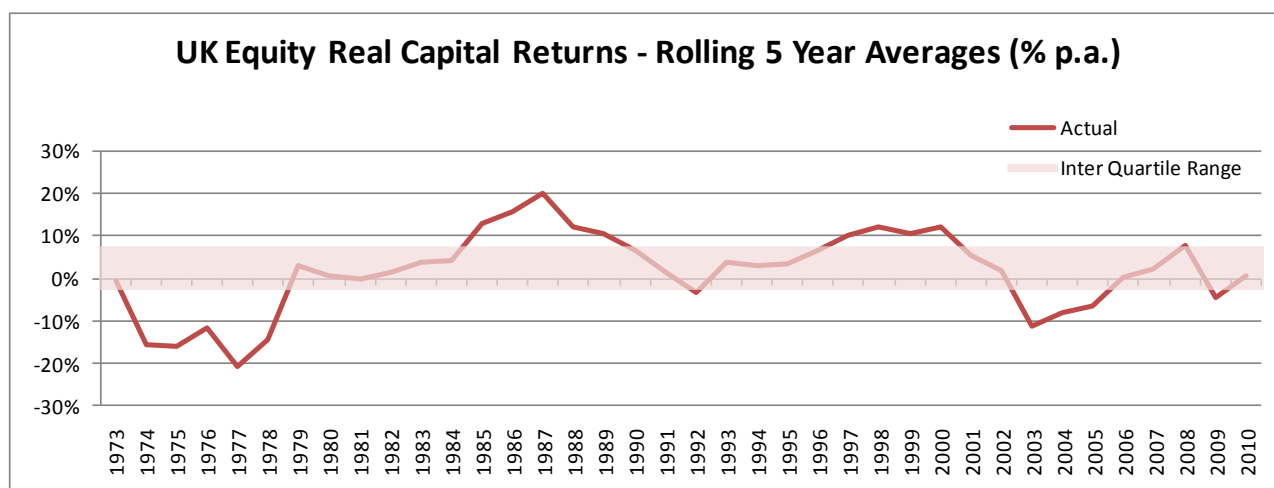
In a market-related valuation it is necessary to assess future average levels of return in current market conditions.

Redemption yields from gilts give an indication of the market's expectations of long term interest rates and so some indication about future risk free rates of return. There is however no comparable market indicator to derive the market's expected future return from investing in equities at any particular point in time.

We have assumed that the real return to be earned in future from equities from current market levels will be the current net dividend yield plus future real growth in share values.

The next chart shows the long term the capital return from UK equities in real terms over the last 35 years or so together with the "inter quartile range" – the range of observations that account for 50% of all observations around the median.

As we see the actual which has averaged out at around 2 per cent per annum although there have been prolonged periods when the real capital returns have been significantly different to this average.



For the purposes of the valuation therefore we have assumed that real capital returns will be 0.8% per annum.

The derivation of the equity return is therefore as follows:-

Smoothed Equity Returns		March 2010
		% p.a.
Equity Risk Premium		
	Net equity yield	3.3%
	Inflation	3.5%
	plus assumed real capital return	0.8%
	Equity Return	7.5%

It would also be possible to derive the expected future return from other asset classes such as property and alternative asset classes. Intuitively we might expect that returns from asset classes other than equities and gilts might be expected to return somewhere between gilts and equities – what we usually see from corporate bonds.

Accordingly we have assumed that the return from other alternative asset classes is the same as the expected return from equities.

We then derive the discount rate as the weighted average of future expected returns from the various asset classes based on the actual investment strategy.

We then include a risk adjustment to the discount rate to reflect the amount of equity risk being taken relative to gilts. For a Fund with 75% or less exposure to equity type investments the risk adjustment is nil. For a Fund with 100% in equity type investments the reduction in discount rate is 50% of the extra return expected from a Fund invested 100% in equity type investments compared to one invested 75% in equity type investments.

Finally to accommodate any extreme market conditions at the valuation date the resulting real discount rate is constrained to 4%.

In summary therefore we have adopted the following assumptions.

Financial Assumptions	March 2010		March 2007	
	% p.a.	Real % p.a.	% p.a.	Real % p.a.
Investment Return				
Equities/absolute return funds	7.5%	4.0%		
Gilts	4.5%	1.0%		
Bonds & Property	5.6%	2.1%		
Discount Rate	7.2%	3.7%	6.9%	3.5%
Risk Adjusted Discount Rate	6.9%	3.4%		
Pay Increases	5.0%	1.5%	4.9%	1.5%
Price Inflation	3.5%	-	3.4%	
Pension Increases	3.0%	(0.5%)	3.4%	

Statistical Assumptions

The statistical assumptions we have adopted are based on our analysis of the incidence of retirement, and withdrawal of our Local Authority client funds.

Sample rates are shown in the following tables: -

Age	Incidence per 1000 active members per annum								Salary Scales			
	Males			Females								
	Death	Ill Health	Wdls	Death	Ill Health	Wdls	Males	Femal	Males	Femal		
	FT	PT		FT	PT		FT	FT	PT	PT		
20	0.5	0.0	0.0	400.0	0.2	0.1	0.1	400.0	100.0	100.0	100.0	
25	0.4	0.1	0.1	360.0	0.2	0.1	0.1	360.0	122.8	100.0	114.2	
30	0.3	0.1	0.1	264.0	0.3	0.3	0.3	264.0	145.5	100.0	125.8	
35	0.5	0.3	0.3	184.0	0.5	0.5	0.5	184.0	166.3	100.0	133.6	
40	0.9	0.5	0.5	108.0	0.6	0.8	0.8	108.0	183.1	100.0	136.6	
45	1.3	0.9	0.9	48.0	0.8	1.2	1.2	48.0	194.4	100.0	136.6	
50	2.5	1.6	1.6	-	1.4	2.2	2.2	-	198.8	100.0	136.6	
55	4.3	3.5	3.5	-	2.2	4.2	4.2	-	198.8	100.0	136.6	
60	6.9	7.4	7.4	-	3.1	8.5	8.5	-	198.8	100.0	136.6	
64	11.1	13.2	13.2	-	4.0	11.5	11.5	-	198.8	100.0	136.6	

Other assumptions

Age Retirements	It is assumed that active members will retire 1 year after the date they attain age 60 or when they would first satisfy the rule of 85 if later, no later than 65 or the member's individual retirement age if affected by transitional protection	
Mortality	All members	70% S1PA Heavy tables allowing for medium cohort projection, with a minimum 1% improvement
	Ill Health Retirement	As all members plus 4 years
Probability of partners pension coming into payment (including a loading for dependants benefits)		90%
Partner Age Difference	Males are assumed to be 3 years older than their partners	
Commutation	It is assumed that at retirement, 50% of members will opt to increase their lump sums to the maximum allowed.	
Ill health tiers	It is assumed that 50% of ill health retirements will be eligible for benefits based on full prospective service and 50% will qualify for a service enhancement of 25% of prospective service.	

Appendix 4. Individual Employer Data as at 31 March 2010

Employer	Code	Active Members			Pensioners			Deferred Pensioners		
		Number	Actual Pay	Average	Number	Annual Pensions	Average	Number	Annual Pensions	Average
			£	£		£	£		£	£
London Borough of Bromley	1	3,800	69,088,732	18,181	4,138	17,713,705	4,281	3,598	4,732,156	1,315
Beaverwood School	2	36	527,541	14,654	6	10,904	1,817	5	4,952	990
Beckenham Mind	3	-	-	-	1	6,947	6,947	-	-	-
Bromley College	4	174	3,194,339	18,358	54	145,649	2,697	132	150,058	1,137
Magistrates Court	5	-	-	-	17	72,035	4,237	20	78,339	3,917
Broomleigh Housing Association	6	21	724,907	34,519	62	396,623	6,397	34	189,127	5,563
Bullers Wood School	7	80	960,412	12,005	8	15,202	1,900	66	36,931	560
Charles Darwin School	8	46	593,723	12,907	11	20,761	1,887	21	16,343	778
Coopers School	9	64	844,771	13,200	7	29,274	4,182	22	20,670	940
Crofton Junior School	10	30	242,916	8,097	3	18,662	6,221	8	6,269	784
Darrick Wood School	11	76	872,811	11,484	7	12,623	1,803	41	23,835	581
Broomleigh Housing Association	12	2	64,615	32,308	3	40,009	13,336	1	6,978	6,978
Glebe School	13	28	403,102	14,397	7	22,254	3,179	8	4,811	601
Hayes Primary School	14	37	258,262	6,980	1	4,489	4,489	12	8,280	690
Hayes School	15	31	445,768	14,380	9	28,495	3,166	19	7,730	407
Highfield Infants School	16	16	124,715	7,795	-	-	-	3	2,280	760
Highfield Junior School	17	11	127,733	11,612	4	5,640	1,410	7	832	119
Holy Innocents School	18	12	78,583	6,549	4	6,966	1,741	11	6,169	561
Kelsey Park School	19	47	698,618	14,864	5	25,663	5,133	30	17,879	596
Kemnal Technology College	20	40	603,388	15,085	10	20,525	2,052	29	16,352	564
Langley Park Boys School	21	42	558,730	13,303	9	32,349	3,594	4	4,649	1,162
Langley Park Girls School	22	62	979,289	15,795	11	37,087	3,372	37	29,387	794
Newstead Wood School	23	56	696,335	12,435	12	25,801	2,150	13	12,675	975
Orpington College	24	93	1,820,541	19,576	20	67,554	3,378	51	44,081	864
Raglan Primary School	25	25	184,559	7,382	6	13,046	2,174	13	8,363	643
Ravens Wood School	26	40	712,634	17,816	7	23,815	3,402	17	12,563	739
Ravensbourne College	27	65	2,152,150	33,110	42	158,530	3,775	51	117,661	2,307
Ravensbourne School	28	40	662,916	16,573	5	14,441	2,888	21	18,363	874
St John Rigby College	29	3	50,002	16,667	7	21,076	3,011	22	22,177	1,008
St Mary's RC Primary	30	22	205,526	9,342	3	7,815	2,605	14	7,518	537
St Olave's School	31	40	585,079	14,627	9	19,454	2,162	8	4,574	572
The Priory School	32	63	1,062,633	16,867	7	12,017	1,717	33	14,247	432
Bromley My Time	33	29	983,291	33,907	15	109,606	7,307	34	102,339	3,010
TBC	401	2	11,247	5,624	-	-	-	-	-	-
Total		5,133	90,519,867	17,635	4,510	19,139,015	4,244	4,385	5,728,589	1,306

Appendix 5. Rates and Adjustments Certificate

Paul Dale
Director of Resources
London Borough of Bromley
Bromley Civic Centre
Stockwell Close
Bromley BR1 3UH


Dear Sirs

On your instruction, we have made an actuarial valuation of the London Borough of Bromley Pension Fund ("the Fund") as at 31 March 2010.

In accordance with Regulation 36 of The Local Government Pension Scheme (Administration) Regulations 2008 we have made an assessment of the contributions which should be paid to the Fund by the employing authorities as from 1 April 2011 in order to maintain the solvency of the Fund.

The required contribution rates are set out in the following Contribution Schedule.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Graeme D Muir', with a stylized horizontal line extending from the end.

Graeme D Muir FFA

Contribution Schedule

The Common Rate of Contribution payable by each employing authority under Regulation 36 for the period 1 April 2011 to 31 March 2014 is 23.0% of pensionable payroll.

Individual Adjustments payable by each employing authority under Regulation 36 for the period 1 April 2011 to 31 March 2014 resulting in Minimum Total Contribution Rates are as set out below: -

Code	Employer	Funding Pool	Minimum Contributions as % of pensionable pay for year ending			Additional Monetary Amounts for year ending		
			31 March 2012	31 March 2013	31 March 2014	£(000) 31 March 2012	£(000) 31 March 2013	£(000) 31 March 2014
1	London Borough of Bromley	London Borough of Bromley	14.7%	14.7%	14.7%	5,500	5,800	6,100
3	Beckenham Mind	London Borough of Bromley	24.5%	24.5%	24.5%			
6	Broomleigh Housing Association	Affinity Group Ltd	28.8%	28.8%	28.8%			
12	Broomleigh Housing Association	Affinity Group Ltd	28.8%	28.8%	28.8%			
4	Bromley College	Bromley College	17.0%	17.0%	17.0%			
21	Langley Park Boys School	Langley Park Boys School	18.3%	18.3%	18.3%			
22	Langley Park Girls School	Langley Park Girls School	20.2%	20.2%	20.2%			
23	Newstead Wood School	Newstead Wood School	22.4%	22.4%	22.4%			
24	Orpington College	Orpington College	17.4%	17.4%	17.4%			
26	Ravens Wood School	Ravens Wood School	20.8%	20.8%	20.8%			
27	Ravensbourne College	Ravensbourne College	17.5%	17.5%	17.5%			
33	Bromley My Time	Bromley My Time	15.1%	15.1%	15.1%			
2	Beaverwood School	Bromley Schools	22.7%	22.7%	22.7%			
7	Bullers Wood School	Bromley Schools	22.7%	22.7%	22.7%			
8	Charles Darwin School	Bromley Schools	22.7%	22.7%	22.7%			
9	Coopers School	Bromley Schools	22.7%	22.7%	22.7%			
10	Crofton Junior School	Bromley Schools	22.7%	22.7%	22.7%			
13	Glebe School	Bromley Schools	22.7%	22.7%	22.7%			
14	Hayes Primary School	Bromley Schools	22.7%	22.7%	22.7%			
15	Hayes School	Bromley Schools	22.7%	22.7%	22.7%			
16	Highfield Infants School	Bromley Schools	22.7%	22.7%	22.7%			
17	Highfield Junior School	Bromley Schools	22.7%	22.7%	22.7%			
18	Holy Innocents School	Bromley Schools	22.7%	22.7%	22.7%			
19	Kelsey Park School	Bromley Schools	22.7%	22.7%	22.7%			
25	Raglan Primary School	Bromley Schools	22.7%	22.7%	22.7%			
30	St Mary's RC Primary	Bromley Schools	22.7%	22.7%	22.7%			
32	The Priory School	Bromley Schools	22.7%	22.7%	22.7%			

Code	Employer	Funding Pool	Minimum Contributions as % of pensionable pay for year ending			Additional Monetary Amounts for year ending		
			31 March 2012	31 March 2013	31 March 2014	£(000) 31 March 2012	£(000) 31 March 2013	£(000) 31 March 2014
	Alexandra Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Alexandra Junior School	Bromley Schools	22.7%	22.7%	22.7%			
	Balgowan Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Bickley Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Biggin Hill Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Bishop Justus	Bromley Schools	22.7%	22.7%	22.7%			
	Blenheim Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Bromley Road Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Burnt Ash Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Burwood School	Bromley Schools	22.7%	22.7%	22.7%			
	Castlecombe Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Cator Park School for Girls	Bromley Schools	22.7%	22.7%	22.7%			
	Chelsfield Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Chislehurst CE Aided Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Churchfields Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Clare House Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Crofton Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Cudham CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Darrick Wood Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Darrick Wood Junior School	Bromley Schools	22.7%	22.7%	22.7%			
	Dorset Road Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Downe Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Edgebury Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Farnborough Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Gray's Farm Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Green Street Green Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Hawes Down Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Hawes Down Junior School	Bromley Schools	22.7%	22.7%	22.7%			
	Hillside Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	James Dixon Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Keston CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Leesons Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Malcolm Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Manor Oak Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Marian Vian Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Marjorie McClure School	Bromley Schools	22.7%	22.7%	22.7%			
	Mead Road Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Midfield Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Mottingham Primary School	Bromley Schools	22.7%	22.7%	22.7%			

Code	Employer	Funding Pool	Minimum Contributions as % of pensionable pay for year ending			Additional Monetary Amounts for year ending		
			31 March 2012	31 March 2013	31 March 2014	£(000) 31 March 2012	£(000) 31 March 2013	£(000) 31 March 2014
	Oak Lodge Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Oaklands Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Parish CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Perry Hall Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Pickhurst Infant School	Bromley Schools	22.7%	22.7%	22.7%			
	Pickhurst Junior School	Bromley Schools	22.7%	22.7%	22.7%			
	Poverest Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Pratts Bottom Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Princes Plain Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Red Hill Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Riverside School	Bromley Schools	22.7%	22.7%	22.7%			
	Royston Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Scotts Park Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Southborough Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Anthony's RC Primary School (Anerley)	Bromley Schools	22.7%	22.7%	22.7%			
	St George's, Bickley, CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St James' RC Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St John's CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Joseph's RC Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Mark's CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Mary Cray Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Paul's Cray CE Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Peter and St Paul Catholic Primary Sc	Bromley Schools	22.7%	22.7%	22.7%			
	St Philomena's RC Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	St Vincent's RC Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Stewart Fleming Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	The Highway Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Tubbenden Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Unicorn Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Valley Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Warren Road Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Wickham Common Primary School	Bromley Schools	22.7%	22.7%	22.7%			
	Worsley Bridge Junior School	Bromley Schools	22.7%	22.7%	22.7%			
	Bishop Justus Academy	Bishop Justus Academy	23.1%	23.1%	23.1%			
11	Darrick Wood Academy	Darrick Wood Academy	20.2%	20.2%	20.2%			
20	Kemnal Academy	Kemnal Academy	24.8%	24.8%	24.8%			
28	Ravensbourne Academy	Ravensbourne Academy	25.1%	25.1%	25.1%			
31	St Olave's Academy	St Olave's Academy	27.1%	27.1%	27.1%			

Notes

Further sums should be paid to the Fund to meet the costs of any early retirements using methods and assumption issued by us from time to time.

The certified contribution rates represent the minimum level of contributions to be paid. Employing authorities may pay further amounts at any time and future periodic contributions may be adjusted on a basis approved by ourselves.

Recovery period for the academies is 7 years.

Appendix 6. LGPS Benefits

LGPS 1997		LGPS 2008																
General Features																		
Type of Scheme	Final salary	Final salary																
Relationship with S2P	Contracted-out	Contracted-out																
Member Contributions	6%	Banded Contributions based on full time pay as at 1 st April 2011																
		<table><tr><th>Range</th><th>Cont Rate</th></tr><tr><td>£0 - £12,900</td><td>5.50%</td></tr><tr><td>£12,901 - £15,100</td><td>5.80%</td></tr><tr><td>£15,101 - £19,400</td><td>5.90%</td></tr><tr><td>£19,401 - £32,400</td><td>6.50%</td></tr><tr><td>£32,401 - £43,300</td><td>6.80%</td></tr><tr><td>£43,301 - £81,100</td><td>7.20%</td></tr><tr><td>£81,100 and above</td><td>7.50%</td></tr></table>	Range	Cont Rate	£0 - £12,900	5.50%	£12,901 - £15,100	5.80%	£15,101 - £19,400	5.90%	£19,401 - £32,400	6.50%	£32,401 - £43,300	6.80%	£43,301 - £81,100	7.20%	£81,100 and above	7.50%
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£81,100 and above	7.50%																	
	5% for manual workers in scheme prior to 01/04/1998																	
		Bands to be increased annually with PI orders.																
		Transitional protection for members currently paying 5% until 2011/2012.																
Final Pay	Best of the last 3 years pensionable pay	Best 3 consecutive years salary in the last 10 where pay reduces as a result of downgrading or less responsibility.																
Pensionable Pay	Normal salary plus any shift allowance, bonuses, contractual overtime, Maternity Pay, Paternity Pay, Adoption Pay and any other taxable benefit specified as being pensionable.	Normal salary plus any shift allowance, bonuses, contractual overtime, Maternity Pay, Paternity Pay, Adoption Pay and any other taxable benefit specified as being pensionable.																
Retirement Benefits																		
Normal Retiring Age	Age 65	Age 65																
Early Retirement	Age 55+ (existing members remains at age 50+ for retirements up to 31 March 2010. Employer consent required if below age 60.	Age 55+ (existing members remains at age 50+ for retirements up to 31 March 2010. Employer consent required if below age 60.																
	Minimum 3 months membership or transfer in	Minimum 3 months membership or transfer in																
	Benefits reduced unless Rule of 85 applies (member of the scheme as at 30 th September 2006) and is satisfied	Benefits reduced unless Rule of 85 applies (member of the scheme as at 30 th September 2006) and is satisfied																

LGPS 1997		LGPS 2008
General Features		
	Rule of 85 does not apply for service from 1 April 2008, subject to transitional protections.	Rule of 85 does not apply for service from 1 April 2008, subject to transitional protections.
	Employer's discretion to waive any actuarial reduction. No reductions applied for redundancy retirements.	Employer's discretion to waive any actuarial reduction. No reductions applied for redundancy retirements.
	Transitional protections:	Transitional protections:
	If born before 1 April 1960 and an existing member of the Scheme as at 30 September 2006 then 85 year rule stays for service up to 1 April 2016 with tapered protection to 1 April 2020.	If born before 1 April 1960 and an existing member of the Scheme as at 30 September 2006 then 85 year rule stays for service up to 1 April 2016 with tapered protection to 1 April 2020.
Flexible Retirement	Age 50+	Age 55+
	Minimum 3 months membership or transfer in	(existing members remains at age 50+ for retirements up to 31/03/2010)
	Reduce hours or move to a lower graded post	Minimum 3 months membership or transfer in
	Draw pension and salary	Reduce hours or move to a lower graded post
	Employers discretion to waive any actuarial reduction	Draw pension and salary
	Employers discretion to waive any actuarial reduction	Employers discretion to waive any actuarial reduction
Late Retirement	Continue to day before eve of 75 th birthday	Continue to day before eve of 75 th birthday
	Benefits accrue to date of retirement	Benefits accrue to date of retirement
Ill Health Retirement	Permanently unable to undertake own job or any comparable job with employer. Benefits are enhanced as per the table below with a maximum enhancement of potential membership to age 65	Minimum 2 years membership for ill health enhancement
Accrued Membership		Benefit Payable
Less than 3 months		Refund of contributions
3 months to 5 yrs		Accrued Membership
5 but less than 10 yrs		Membership Doubled
		Higher Tier - No reasonable prospect of alternative employment ever again then service enhanced by 100% of prospective service to age 65.
		Lower Tier - No prospect of obtaining gainful employment within a reasonable period of leaving local government employment, but likely to be able to obtain

LGPS 1997		LGPS 2008
General Features		
		gainful employment before 65 then service enhanced by 25% of prospective service.
	10 yrs to 13 yrs 122 days	Membership Enhanced to 20 yrs
	13 yrs 123 days or more	Membership Enhanced by 6 2/3 yrs
		Employer Responsibility (to be funded by employer revenue account not pension fund) - Reduced likelihood of obtaining gainful employment (whether in local government or otherwise) then no service enhancement.
Benefit Accrual	Pension = $1/80^{\text{th}}$	Pension = $1/60^{\text{th}}$
	Lump Sum = $3/80^{\text{th}}$ plus increased lump sum by commutation 12:1 up to a maximum of 25% of lifetime allowance	Lump Sum = By commutation 12:1 up to a maximum of 25% of lifetime allowance
	Spouse's Pension = $1/160^{\text{th}}$	Spouse's Pension = $1/160^{\text{th}}$
Death and Survivor Benefits		
Lump Sum Death Benefit	Active = 2 x Pensionable Pay	Active = 3 x Pensionable Pay
	Deferred = Current value of deferred lump sum	Deferred = 5 x Current value of deferred annual pension
	Pensioner = 5 year guarantee less pension paid	Pensioner = 10 year guarantee less pension paid (for death before age 75)
Dependants' Provision	Widow(er)s	Widow(er)s
	Registered civil partners	Registered civil partners
		Nominated cohabiting partners
Dependants' Pension	If membership > 3 months	$1/160^{\text{th}}$ x full prospective service to age 65
(Death in Service)	50% x notional ill health pension	
	Otherwise $1/160^{\text{th}}$ x accrued membership	
Spouse's Short Term Pension	Active = 3 months x salary (increased to 6 months if dependent children)	None
	Deferred = none	
	Pensioner = 3 months x member's pension (increased to 6 months if dependent children)	
Children's Pensions	Surviving Parent	Surviving Parent
	1 child = $1/4$ x notional pension	1 child = $1/2$ x dependant's pension
	2+ children = $1/2$ x notional pension divided by number of children	2+ children = 1 x dependant's pension divided by number of children

	LGPS 1997	LGPS 2008
General Features		
	<p>Orphans</p> <p>1 child = 1/3 x notional pension</p> <p>2+ children = 2/3 x notional pension divided by number of children</p> <p>For death in service the notional pension is the ill health pension or a pension based on the lesser of 10 years and full service to age 65 where this is higher.</p>	<p>Orphans</p> <p>1 child = 2/3 x dependant's pension</p> <p>2+ children = 1 1/3 x dependant's pension divided by number of children</p>
Increasing Benefits		
AVCs	<p>Maximum contributions – 50% of taxable earnings</p> <p>Options available:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Open market annuity <input type="checkbox"/> LGPS Top Up Pension <input type="checkbox"/> Tax Free Lump Sum (100% of fund up to max of 25% of Lifetime Allowance) <input type="checkbox"/> LGPS Service Credit (if commenced AVCs prior to 13/11/2001) 	<p>Maximum contributions – 50% of taxable earnings</p> <p>Options available:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Open market annuity <input type="checkbox"/> LGPS Top Up Pension <input type="checkbox"/> Tax Free Lump Sum (100% of fund up to max of 25% of Lifetime Allowance) <input type="checkbox"/> LGPS Service Credit (if commenced AVCs prior to 13/11/2001)
Added Years/Pension	<p>Maximum purchase 6 2/3 years</p> <p>Payable from next birthday to age 65 (contracts taken out before 01/10/2006 may have an earlier date than age 65)</p>	<p>Maximum purchase £5,000 extra pension (in multiples of £250).</p>
Leaving the Scheme		
Withdrawal Benefits on Leaving	<p>Less than 3 months membership and no transfer in</p> <ul style="list-style-type: none"> <input type="checkbox"/> Refund of contributions <input type="checkbox"/> CETV <input type="checkbox"/> Defer decision <p>More than 3 months membership or transfer in</p> <ul style="list-style-type: none"> <input type="checkbox"/> CETV <input type="checkbox"/> Defer Benefits until NRA 	<p>Less than 3 months membership and no transfer in</p> <ul style="list-style-type: none"> <input type="checkbox"/> Refund of contributions <input type="checkbox"/> CETV <input type="checkbox"/> Defer decision <p>More than 3 months membership or transfer in</p> <ul style="list-style-type: none"> <input type="checkbox"/> CETV <input type="checkbox"/> Defer Benefits until NRA