

HEALTH WEALTH CAREER



ACTUARIAL VALUATION REPORT

LANCASHIRE COUNTY
PENSION FUND

AS AT 31 MARCH 2016

MAKE TOMORROW, TODAY

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1 INTRODUCTION

This report is addressed to the Administering Authority of the Lancashire County Pension Fund (“the Administering Authority”) and is provided to meet the requirements of Regulation 62 of the Local Government Scheme Regulations 2013 (as amended) (“the Regulations”). It describes the factors considered by the Administering Authority when carrying out the actuarial valuation as at 31 March 2016 and the decisions reached as a result.

The purpose of the actuarial valuation is for the Administering Authority to determine:

- The expected cost of providing the benefits built up by members at the valuation date (the “liabilities”), and compare this against the funds held by the Fund (the “assets”).
- The contributions needed to cover the cost of the benefits that active members will build up in the future and other costs incurred in running the Fund (the ‘Primary Contribution Rate’).
- An appropriate plan for making up the shortfall if the Fund has less assets than liabilities. This plan will cover the amounts which will need to be paid (the ‘Secondary Contribution Rate’) and the timeframe over which they will be paid (‘the Recovery Period’).

SIGNATURE




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DATE

31 March 2017

This report uses various technical terms. These are explained in more detail in the explanatory boxes which appear throughout this report, and in the Glossary at Appendix I.

This report has been prepared in accordance with the version of the *Pensions Technical Actuarial Standard* current at the date this report is signed. It also complies with the relevant requirements of *Technical Actuarial Standards R: Reporting Actuarial Information, D: Data and M: Modelling*, where they apply to this report. These Standards are all issued by the Financial Reporting Council. The calculations referred to in the report use methods and assumptions appropriate for reviewing the financial position of the Fund and determining a contribution rate for the future. Mercer does not accept liability to any third party in respect of this report; nor do we accept liability to the Administering Authority if the information provided in this report is used for any purpose other than that stated. The report may be disclosed to members and others who have a statutory right to see it. It may also be disclosed to any participating employer and, if the Administering Authority and Mercer consent, it may be disclosed to other third parties.

2

FUNDING STRATEGY – KEY ELEMENTS

Fundamental to the valuation results is the funding strategy adopted by the Fund. This funding strategy is set out in a specific document (the Funding Strategy Statement or FSS for short) which is one of the Administering Authority's key governance documents for the Fund. In essence, the FSS sets out an overview of the approach to be used for the actuarial valuation. Amongst other things it outlines the assumptions, both economic and demographic, to be used in calculating the value of the liabilities built up and the contributions required to correct any funding shortfall, and the contribution rate required to fund the benefits for future service. It also sets out the strategy for making good any funding shortfall, in particular how any shortfall is expected to be financed in terms of the balance between future contributions and future investment returns, and the period over which any shortfall is expected to be recovered.



The FSS is the Administering Authority's key governance document in relation to the actuarial valuation. It sets out the funding policies adopted, the actuarial assumptions used, and the timescales over which deficits will be paid off. Employers are consulted about the FSS as part of the actuarial valuation process.

The principal elements of the funding strategy adopted for this actuarial valuation are as follows:

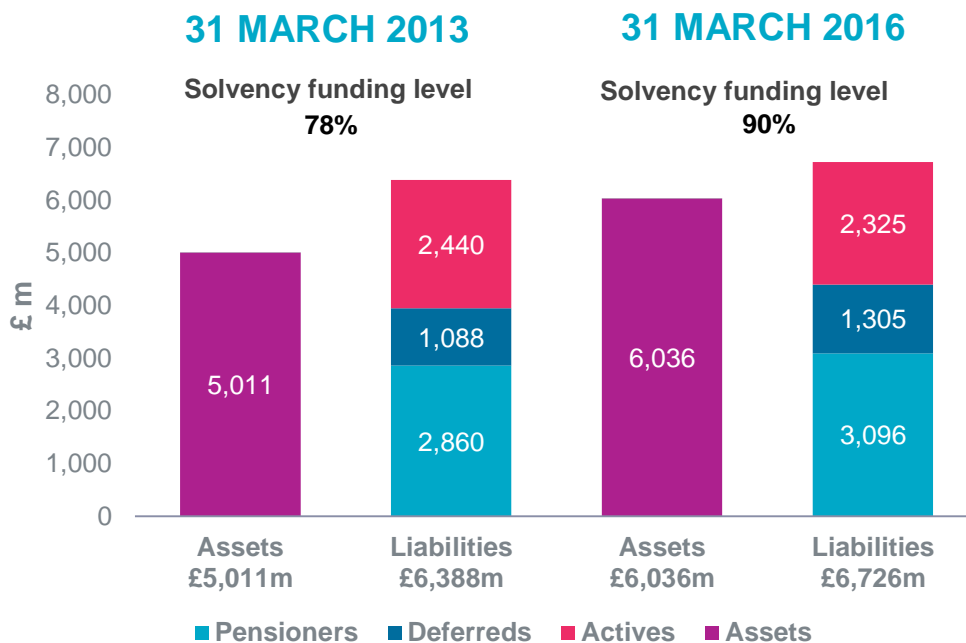
- Assumed rate of future CPI inflation – 2.2% p.a., based on the yields available on gilts and index-linked gilts of appropriate duration less an adjustment of 1% p.a. to allow for the difference between market-implied future RPI and estimated future CPI inflation.
- Real investment returns over and above CPI for past service – 2.2% p.a., based on the anticipated real returns achievable on the Fund's expected long-term investment strategy with a suitable margin for prudence.
- Real investment returns over and above CPI for future service – 2.75% p.a., based on the anticipated real returns achievable on future invested contributions.
- Future pay growth – 1% p.a. over the 4 years to April 2020, taking into account the government's policy on pay restraint in the public sector, and then 1.5% p.a. over and above CPI in the longer term.
- Baseline life expectancy based on a scheme-specific mortality study.
- Future mortality improvements based on the CMI 2015 model with a long-term improvement trend of 1.5% p.a.
- An average recovery period for making good any shortfall of approximately 16 years. The FSS sets out the circumstances in which this might vary from one employer to another.

3

KEY RESULTS OF THE FUNDING ASSESSMENT

SOLVENCY FUNDING POSITION


The table below compares the assets and liabilities of the Fund at 31 March 2016. Figures are also shown for the last valuation as at 31 March 2013 for comparison.



The liability value at 31 March 2016 shown in the table above is known as the Fund’s “solvency funding target”. The solvency funding target is calculated using assumptions that the Administering Authority has determined are appropriate having consulted with the actuary, and are also set out in the Administering Authority’s Funding Strategy Statement (FSS).

The chart shows that at 31 March 2016 there was a shortfall of £690m against the Fund’s solvency funding target. An alternative way of expressing the position is that the Fund’s assets were sufficient to cover 90% of its liabilities – this percentage is known as the solvency funding level of the Fund.

At the previous valuation at 31 March 2013 the shortfall was £1,377m, equivalent to a solvency funding level of 78%. The key reasons for the changes between the two valuations are considered in Section 4.



The LGPS Regulations require the contributions to be set so as to secure the Fund’s solvency and long-term cost efficiency. In this context solvency means being able to meet the liabilities as and when they arise, with long-term cost efficiency meaning that contribution levels should not be set so as to give rise to additional costs at a later date. In practice, contribution levels have been set so as to target a solvency funding level of 100%, based on the funding parameters outlined in Section 2 above.


Further details of the way in which the solvency funding target has been calculated are set out in Appendix A.

PRIMARY CONTRIBUTION RATE

The valuation looks at the normal employer contribution rate required to cover the cost of the benefits (including death benefits and expenses) that will be built up over the year after the valuation date (the “Primary Contribution Rate”). A summary of the assumptions used is provided in Appendix A.

The table below gives a breakdown of the Primary Contribution Rate at 31 March 2016 and also shows the corresponding rate at 31 March 2013 for comparison. In calculating the average Primary Contribution Rate in 2016 we have not made any allowance for future members to opt for the 50:50 scheme.

Active members pay contributions to the Fund as a condition of membership in line with the rates required under the governing Regulations (see Appendix D).



The “Primary rate” of the employers’ contribution is the contribution rate required to meet the cost of the future accrual of benefits including ancillary, death in service and ill health benefits together with administration costs.


PRIMARY CONTRIBUTION RATE*	% of Pensionable Pay	
	31 March 2016	31 March 2013
Normal Contribution rate for retirement and death benefits	20.8	19.1
Allowance for administrative expenses	0.5	0.4
Total normal contribution rate	21.3	19.5
Average member contribution rate	6.4	6.4
Primary contribution rate*	14.9	13.1

* In line with updated CIPFA guidance, the 2016 Primary Contribution Rate is the weighted average of the individual employer Primary Contribution Rates as derived based on their individual circumstances (e.g. whether or not they are closed to new entrants).

CORRECTING THE SHORTFALL – SECONDARY CONTRIBUTION RATE

The funding objective as set out in the FSS is to achieve and maintain a solvency funding level of 100% of liabilities (the solvency funding target). In line with the FSS, where a shortfall exists at the effective date of the valuation a deficit recovery plan will be put in place which requires additional contributions to correct the shortfall (or contribution reductions to refund any surplus).

The FSS sets out the process for determining the recovery plan in respect of each employer. At this actuarial valuation the average deficit recovery period adopted is approximately 16 years, and the total initial recovery payment (the “Secondary rate” for 2017/18) is approximately £41.5m per annum in £ terms (which also includes allowance for some employers to phase in any increases).



The “Secondary rate” of the employers’ contribution is an adjustment to the Primary rate to reflect any past service deficit or surplus, to arrive at the rate the employers are required to pay.

4

EXPERIENCE SINCE LAST VALUATION

SUMMARY OF KEY INTER-VALUATION EXPERIENCE

The last actuarial valuation was carried out with an effective date of 31 March 2013. With effect from 1 April 2014 the scheme's benefit structure changed from a Final Salary Scheme to a Career Average Revalued Earnings (CARE) Scheme, and the 2013 actuarial valuation took these changes into account.

The average Pensionable Salary increase for the Fund members who were in service for the whole of the inter-valuation period was 2.1% per annum.

Pensions in payment (in excess of Guaranteed Minimum Pensions (GMPs)) were increased as guaranteed under the Fund as follows:

- April 2014 2.7%
- April 2015 1.2%
- April 2016 0%

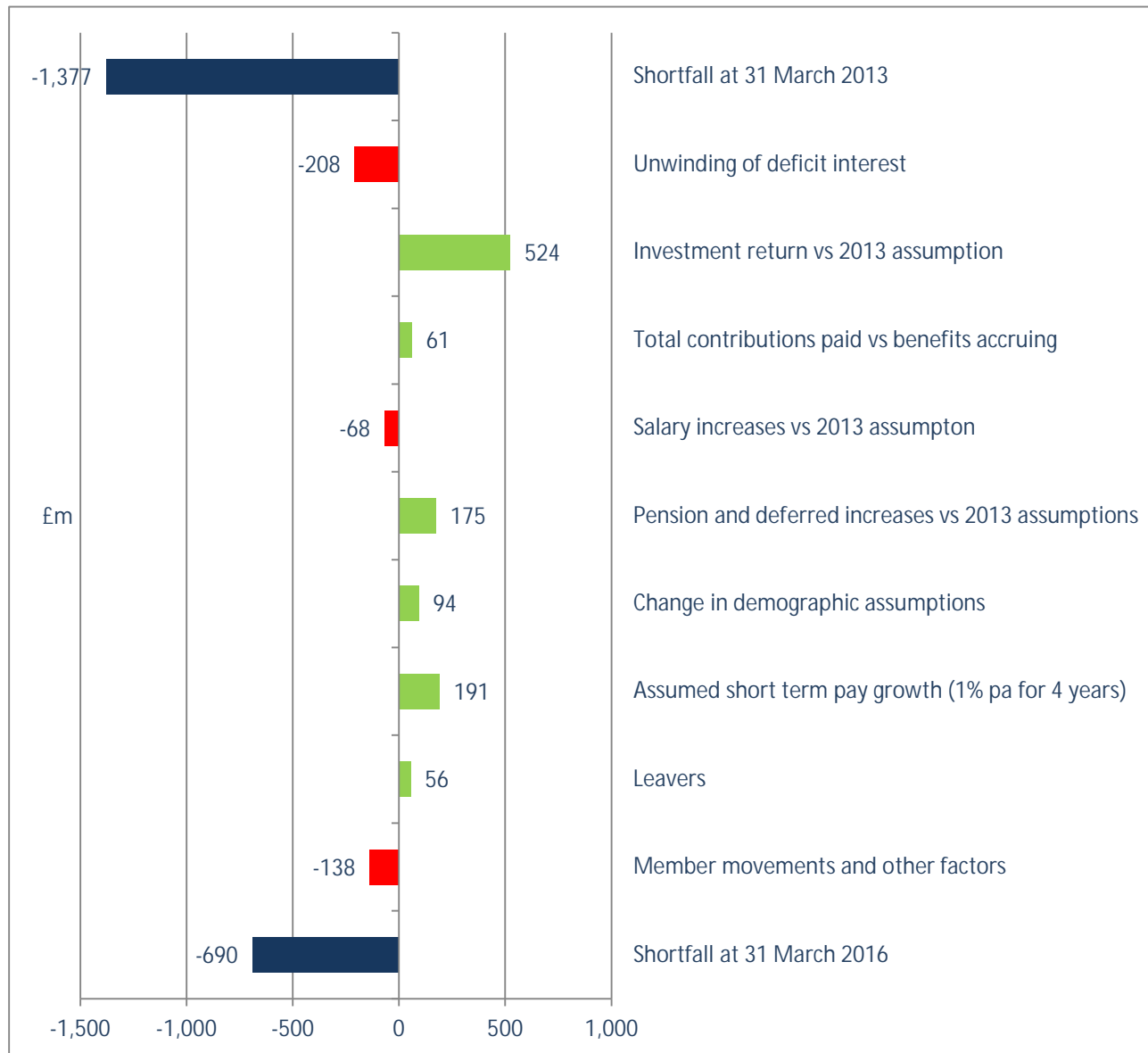
Over the intervaluation period, benefit inflation has averaged 1.3% p.a. Over the three years to 31 March 2016 the gross investment return on the Fund's assets has averaged 7.9% per annum, meaning that the average real return has been about 6.6% p.a.



The outcomes from the valuation are determined both by the assumptions adopted for the future, and the Fund's historic experience relative to assumptions made in the past. In this section we consider the effect of the Fund's experience over the last three years.

REASONS FOR THE CHANGE IN FUNDING POSITION SINCE THE LAST ACTUARIAL VALUATION

The shortfall at the last valuation date was £1,377m. The chart below sets out the main reasons for the change in the shortfall between 31 March 2013 and 31 March 2016.



5

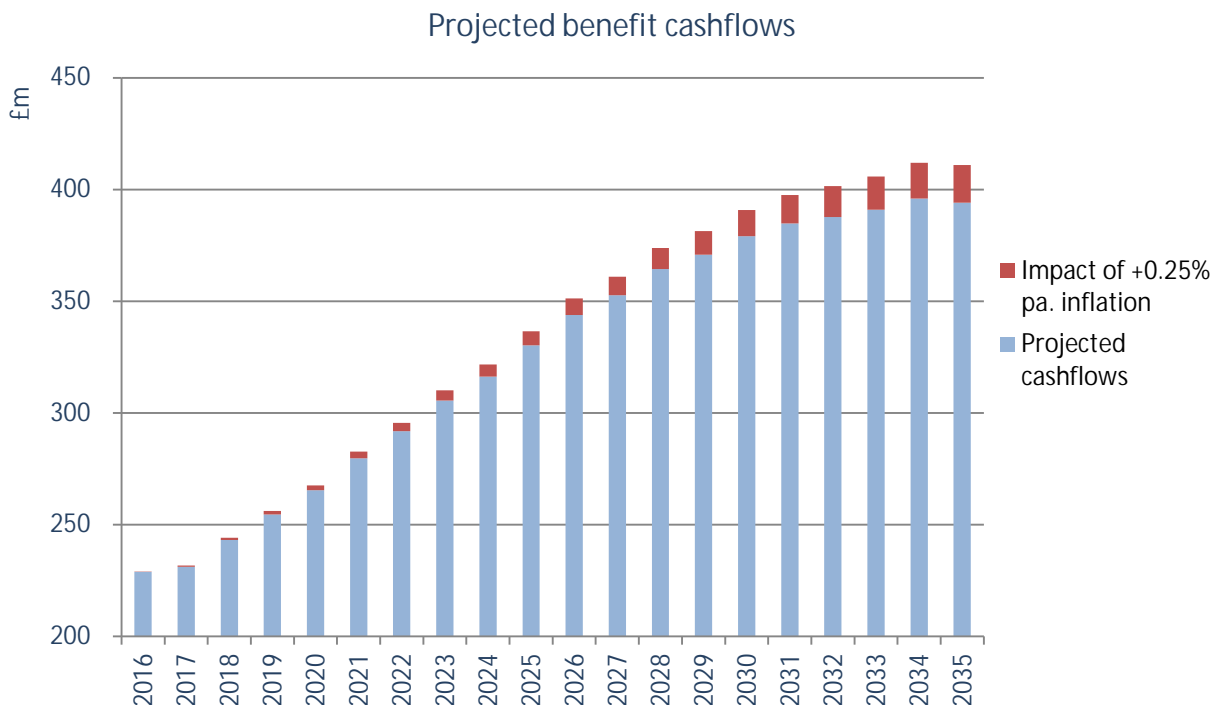
CASHFLOWS, RISKS AND ALTERNATIVE FUNDING POSITIONS



BENEFIT CASHFLOWS

The projected benefit cashflows which result from applying the past service assumptions as set out in Section 2 are shown in the chart below. The additional red elements sets out how those projected benefit cashflows would change if we were to assume inflation of 0.25% p.a. higher than the assumption of 2.2% p.a. used for the actuarial valuation. Over the 20 years following the valuation date, the extra benefit payments which would result from the extra 0.25% p.a. inflation assumption are projected to be £150m.

The actuarial valuation process is principally concerned with projecting all the benefit cashflows into the future, and then converting them into current day values by discounting them to allow for assumed future investment returns. The chart shows those projected cashflows, and also illustrates how sensitive they are to the future inflation assumption.



PROJECTED FUNDING POSITION AT NEXT ACTUARIAL VALUATION

As part of this valuation, the Administering Authority has set an average recovery plan to pay off the shortfall of approximately 16 years. The next actuarial valuation will take place with an effective date of 31 March 2019. If experience up to that date is in line with the assumptions made for this current actuarial valuation and contributions are paid at the agreed rates or amounts, the shortfall at 31 March 2019 would be £646m, equivalent to a funding level of 91%.

MATERIAL RISKS FACED BY THE FUND

The Fund is subject to some potentially material risks that are, to an extent, outside the Administering Authority's control, but could affect the funding level. Any material worsening of the funding level will mean more contributions are needed (either at an increased rate or at the same rate over a longer period) to be able to provide the benefits built up in the Fund – unless experience acts in other ways to improve the funding level. Examples of such risks, and how the Administering Authority manages them, are:

- If an Employer becomes unable to pay contributions or to make good deficits in the future, the Fund's assets will be lower than expected and the funding level will be worse than expected. The Administering Authority regularly monitors the financial strength of the Employers so that actions can be taken to mitigate (but not fully remove) the risk.
- If future investment returns on assets are lower than assumed in the valuation, the Fund's assets will be lower, and the funding level worse, than expected. The Administering Authority has a process in place to monitor investment performance quarterly, and it reviews the Fund's investment strategy alongside each actuarial valuation.
- If improvements in life expectancy are greater than assumed, the cost of benefits will increase because members are living longer than expected. This will mean the funding level will be worse than expected. The Administering Authority regularly reviews the Fund's experience and ensures that the assumptions it makes about members' life expectancy take the most recent information available into account.
- If members make decisions about their options which increase the Fund's liabilities, the funding level will be worse than expected. An example would be if members commute less possible pension for cash, than is being assumed. The Administering Authority reviews the Fund's experience at each valuation to ensure that their treatment of member options remains appropriate.

SENSITIVITY OF FUNDING POSITION TO CHANGES IN KEY ASSUMPTIONS

The value placed on the Fund's liabilities is critically dependent on the assumptions used to carry out the calculations. If future experience differs from the assumptions the Administering Authority has used after consulting with the Employers, then the projected future funding level will be different from the level described above.

To illustrate how sensitive the funding level is to experience being different from assumed, the table below shows how the valuation results at 31 March 2016 would have differed given small changes in the key assumptions.

ASSUMPTION CHANGE	CHANGE IN SHORTFALL AT 31 MARCH 2016 (£M)	RESULTANT SHORTFALL AT 31 MARCH 2016 (£M)
Original solvency funding position	-	690
Real investment return 0.25% lower than assumed	297	987
Pensionable Salary growth 0.25% higher than assumed	51	741
Members live one year longer than assumed	160	850
Growth assets fall by 25%	1,119	1,809

MINIMUM RISK FUNDING POSITION

In assessing the value of the Fund's liabilities (the funding target), allowance has been made for investment returns as described in Appendix A, taking into account the investment strategy adopted by the Fund, as set out in the Fund's Investment Strategy Statement (ISS).

It is not possible to construct a portfolio of investments which produces a stream of income exactly matching the expected liability outgo. However, it is possible to construct a portfolio which closely matches the liabilities and represents the minimum risk investment position. Such a portfolio would consist mainly of a mixture of long-term index-linked and fixed interest gilts. Investment of the Fund's assets in line with the minimum risk portfolio would minimise fluctuations in the Fund's ongoing funding level between successive actuarial valuations.

If, at the valuation date, the Fund had been invested in this portfolio, then in carrying out the valuation it would not be appropriate to make any allowance for out-performance of the Fund investments. In this event the value of the liabilities would have increased substantially, to £10,249m, and the funding level would have reduced correspondingly to 59%. If the actuarial assumptions are borne out in practice, the projected funding level on this basis at the next actuarial valuation would be slightly lower at 57%.

The value of the liabilities on the solvency funding target assumptions was £6,726m, which is £3,523m less than the value on the minimum risk basis. The funding plan is therefore making allowance for future investment returns of £3,523m over and above those available from the minimum risk investment portfolio.

APPENDICES



A

ASSUMPTIONS

HOW THE BENEFITS ARE VALUED

In order to calculate the liabilities, there is a need to make assumptions about various factors that affect the cost of the benefits provided by the Fund – for example, how long members will live, or the future level of inflation. The table below explains the key assumptions being made in the valuation.

ASSUMPTION	WHY IT IS IMPORTANT AND HOW IT IMPACTS ON THE LIABILITIES
Discount rate	<p>The majority of benefits in a pension fund are paid many years in the future. In the period before the benefits are paid, the Administering Authority invest the funds held by the fund with the aim of achieving a return on those funds. When calculating how much money is needed now to make these benefit payments, it is appropriate to make allowance for the investment return that is expected to be earned on these funds. This is known as “discounting”.</p> <p>The higher the investment return achieved, the less money needs to be set aside now to pay for benefits. The calculation reflects this by placing a lower value on the liabilities if the “discount rate” is higher.</p>
Inflation	<p>Pensions in payment increase in line with price inflation. Salary growth is also normally linked to price inflation in the long term. A higher inflation assumption will, all other things being equal, lead to a higher value being placed on the liabilities.</p>
Pensionable Salary growth	<p>Benefits earned prior to 1 April 2014 for active members are based on their salaries immediately before retirement, so it is necessary to make an assumption about future Pensionable Salary growth. The higher this assumption, the higher the value placed on the liabilities for active members.</p>
Life expectancy	<p>Pensions are paid while the member (and potentially their spouse or partner) is alive. The longer people live, the greater is the cost of providing a pension. Allowing for longer life expectancy therefore increases the liabilities.</p>

The liabilities of the Fund are calculated projecting forward all of the future benefit cashflows and discounting them back to the effective date of the valuation, using these assumptions. For example, the liability for a single pensioner is calculated by estimating the amount of each pension payment they will receive in the future, multiplying by the probability that the member will still be alive by the date of each payment, and then discounting each payment back to the effective date of the valuation; and then summing up all of these discounted amounts. The liabilities for the whole Fund are calculated by summing the liabilities for each of the individual members.

FINANCIAL ASSUMPTIONS USED TO CALCULATE THE FUNDING TARGET

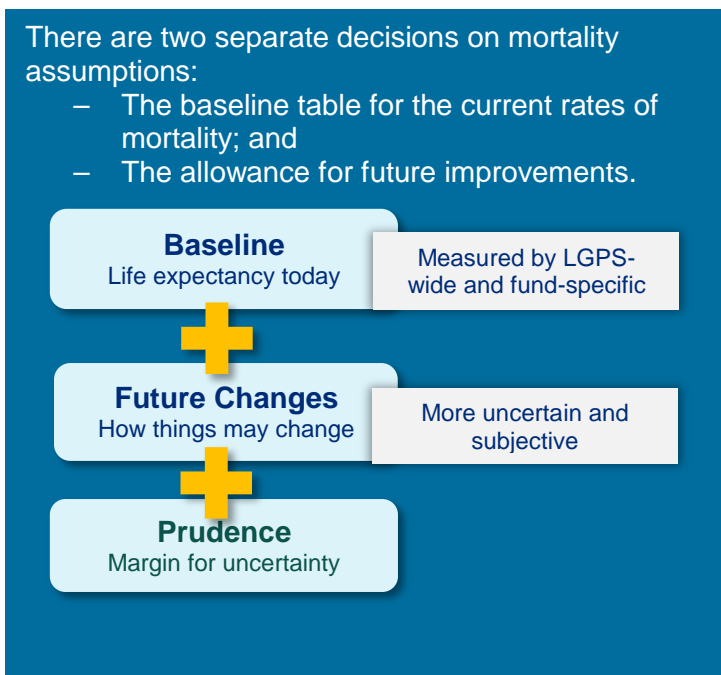
The table below summarises the key financial assumptions used in the calculation of the funding target and those used for the 31 March 2013 actuarial valuation.

FINANCIAL ASSUMPTIONS	31 March 2016	31 March 2013
Discount rate	4.40% p.a.	4.80% p.a.
Price inflation (CPI)	2.2% p.a.	2.6% p.a.
Salary increases (short term)	1% p.a. for 4 years	1% p.a. for 3 years
Salary increases (long term)	3.7% p.a.	4.1% p.a.
Pension increases in payment:	2.2% p.a.	2.6% p.a.

DEMOGRAPHIC ASSUMPTIONS USED

Post-retirement Mortality

Mortality (or life expectancy) tables are typically made up of three elements: a baseline table (equivalent to the expected current mortality), an allowance for future improvements, and a margin for prudence. Very few pension funds are large enough for them to be able to determine a bespoke set of baseline assumptions based purely on the scheme’s own membership experience. Typically, the life expectancy assumptions are set by benchmarking a fund’s membership profile and mortality experience against larger external datasets. For this actuarial valuation, we have benchmarked the fund’s membership profile and experience against the “S2 tables” published by the CMI. We have applied weightings and age ratings as appropriate to adjust the standard tables so as to arrive at assumptions which are appropriate for the Fund. We have generally used the S2PA tables, other than for female dependants where the S2DA tables have been used. At the 2013 actuarial valuation the S1PA tables were used (S1DA tables for future female dependants).



The weightings and age ratings applied to the above are set out in the table below.

Current Status	Retirement Type	2016 weighting/rating	2013 weighting/rating
Annuitant	Normal Health	99% males, 93% females	100% males, 98% females
	Dependant	122% males, 106% females	158% males, 115% females
	Ill Health	99% males, 93% females with an age rating of +3 years in each case	100% males, 98% females with an age rating of +3 years in each case
Active	Normal Health	98% males, 89% females	100% males, 98% females
	Ill Health	98% males, 89% females with an age rating of +4 years in each case	100% males, 98% females with an age rating of +4 years in each case
Deferred	All	125% males, 102% females	100% males, 98% females

A weighting applied to an actuarial table has the effect of increasing or reducing the chance of survival at each age, which increases or reduces the corresponding life expectancy. Similarly, an age rating applied to an actuarial table has the effect of assuming that beneficiaries have a life expectancy equal to those older (or younger) than their actual age.

Future improvements are assumed to follow the CMI 2015 model with a 1.5% p.a. long-term improvements trend. At the 2013 actuarial valuation the CMI 2012 model with a 1.5% p.a. long-term improvements trend was used.

The mortality assumptions used for the 31 March 2016 valuation result in the following life expectancies.

	Years
Life expectancy for a male aged 65 now	22.6
Life expectancy at 65 for a male aged 45 now	24.8
Life expectancy for a female aged 65 now	25.1
Life expectancy at 65 for a female aged 45 now	27.8


Pre-retirement Mortality

The following mortality tables (together with any appropriate weightings and age ratings) have been adopted for mortality rates in the period up to retirement.

	31 March 2016	31 March 2013
Base Table	DxL08 tables with adjustments of 80% (male) 50% (female) to reflect the Fund's membership profile	AC00 tables with adjustments of 73% (male) and 60% (female) to reflect the Fund's membership profile
Allowance for Future Improvements	CMI_2015 [1.5%]	N/A

Commutation

It has been assumed that, on average, 50% of retiring members will take the maximum tax-free cash available at retirement and 50% will take a 3/80ths cash sum (the standard for pre April 2008 service). The members have the option to commute part of their pension at retirement in return for a lump sum at a rate of £12 cash for each £1 per annum of pension given up.




Retirement lump sums are less costly for the Fund to provide than the alternative pension, as members receive only £12 of each £1 p.a. of pension given up. If members take the cash sum option at a higher rate than has been assumed then this will normally lead to an improvement in the funding level.

Early retirement

For those members who are entitled to receive their accrued benefits (or part of those benefits) prior to the Fund’s normal pension age, a proportion of the active membership is assumed to retire in normal health prior to age 65, as set out below:

Age	% retiring per annum	
	Males	Females
60	10	20
61	8	15
62	8	15
63	8	15
64	8	15
65	100	100




If members take early retirement to a greater extent than has been assumed then this will typically lead to a worsening of the funding level. This is because many members are able to take substantial parts of their benefits from age 60 without them being reduced for early payment.

The appropriate early retirement factors applied to the relevant tranche of benefits are in line with GAD guidance.

Ill health retirement

A small proportion of the active membership has been assumed to retire owing to ill health. As an example of the rates assumed, the following is an extract from the decrement table used:

Age	% retiring per annum	
	Males	Females
35	0.03	0.03
45	0.08	0.08
55	0.35	0.31



The level of ill-health retirement benefit provided for a member falls into one of three “tiers”, depending on whether and when the member might be expected to resume gainful employment. Tier 1, for example, is on the basis that the member is unlikely to be able to do so before Normal Pension Age. Full details are set out in the LGPS Regulations.

The proportion of ill health early retirements falling into each tier category has been assumed to be as set out below:

	Tier 1	Tier 2	Tier 3
Males & Females	75%	12.5%	12.5%

Withdrawal

This assumption relates to those members who leave the scheme with an entitlement to a deferred pension or transfer value. It has been assumed that active members will leave the Scheme at the following sample rates:

Age	% leaving per annum	
	Males	Females
25	20.25	22.38
35	5.09	6.27
45	2.54	3.89




In relation to pre 2014 benefits, deferred benefits tend to be less costly for the Fund to provide than if the member had remained in the Fund until retirement. If the number of members leaving the Fund is greater than expected then this will typically lead to a slight improvement in the funding level.

Partners' and Dependants' Proportions

It has been assumed that the proportions of members below will on death give rise to a dependant's pension (spouse's and partner's), and that spouses/partners of female (male) members are three years older (younger), on average than the member.

Age	% spouse/partner	
	Males	Females
25	43	46
35	69	60
45	72	60
55	74	60
65	76	55



If more members than assumed have partners then this will lead to an increase in the number of dependants pensions coming into payment over and above that expected. This would lead to a worsening of the funding level.

ASSUMPTIONS USED TO CALCULATE THE PRIMARY CONTRIBUTION RATE

The cost of future accrual (normal cost) has been calculated using the same actuarial assumptions as used to calculate the funding target and recovery plan as set out above except that the financial assumptions adopted are as described below.

The financial assumptions for assessing the future service contribution rate should take account of the fact that contributions will be invested in market conditions applying at future dates, which are unknown at the effective date of the valuation, and which are not directly linked to market conditions at the valuation date.

The financial assumptions in relation to future service (i.e. the normal cost) are not specifically linked to investment conditions as at the valuation date itself, and are based on an overall assumed real return (i.e. return in excess of price inflation) of 2.75% per annum. This represents a reduction of 0.25% per annum compared to the 2013 valuation, which increases the estimated cost of providing LGPS benefits. With a long term average assumption for price inflation of 2.2% per annum, this gives rise to an overall discount rate of 4.95% p.a. (the corresponding discount rate at the 2013 actuarial valuation was 5.6% p.a.).

B

SUMMARY MEMBERSHIP DATA

The membership data is summarised in the table, with figures at the previous valuation shown for comparison.

Data in relation to members of the Fund were supplied by the Funding administrator on behalf of the Administering Authority. The accuracy of the data provided has been relied on. While reasonableness checks on the data have been carried out, they do not guarantee the completeness or the accuracy of the data. Consequently Mercer does not accept any liability in respect of its advice where it has relied on data that is incomplete or inaccurate.

	31 March 2016	31 March 2013
Active members		
Number	51,613	51,439
Total Pensionable Salaries (£000s p.a.)	860,203	854,743
Average Pensionable Salary (£ p.a.)	16,666	16,617
Average age (pension weighted)	49.6	49.2

Deferred pensioners		
Number	65,940	52,039
Total deferred pensions revalued to valuation date (£000s p.a.)	76,171	60,697
Average deferred pension (£ p.a.)	1,155	1,166
Average age (pension weighted)	48.9	48.3

Pensioners		
Number	44,537	41,115
Total pensions payable (£000s p.a.)	202,082	184,005
Average pension (£ p.a.)	4,537	4,475
Average age (pension weighted)	70.4	69.6

The above pensioner figures include current dependant pensioners.

C

ASSETS

The market value of the Fund's assets was £6,036,200,000 on the valuation date.

The Administering Authority's investment strategy is to proportion the Fund's assets by asset class as shown in the table below. The actual distribution of assets will vary over time due to changes in financial markets. The table also shows the distribution of assets at the valuation date.

	INVESTMENT STRATEGY	ACTUAL MARKET VALUE OF ASSETS AT 31 MARCH 2016	
	%	£000s	%
Global equities	40% - 60%		
Equities - UK quoted		191,300	3.2%
Equities - Overseas quoted		1,878,600	31.1%
Equities - Overseas funds		485,700	8.0%
Venture capital		1,211,400	20.1%
Diversified property	10%-20%		
Direct property		608,100	10.1%
Property funds		80,600	1.3%
Lower volatility strategies	20%-40%		
Fixed interest securities		123,100	2.0%
Fixed interest funds		1,157,300	19.2%
Index linked securities		63,700	1.1%
Derivative contracts		307,600	5.1%
Currency contracts		-291,000	-4.8%
Cash		210,900	3.5%
Net current assets		8,900	0.1%
Total	100.0%	6,036,200	100.0%

The Administering Authority also holds additional voluntary contributions (AVCs), which are separately invested. These assets have been excluded from the market value shown as they exactly match the value of the benefits they cover.

The details of the assets at the valuation date and the financial transactions during the inter-valuation period have been obtained from the audited accounts for the Fund.

D

SCHEME BENEFITS

The benefits valued within our calculations are those in force at the effective date of the valuation. Full details of these can be found in the Local Government Pension Scheme Regulations 2013 (as amended):

The Local Government Pension Scheme Regulations 2013
(<http://www.legislation.gov.uk/ukxi/2013/2356/contents/made>)

The Local Government Pension Scheme (Transitional Provisions, Savings and Amendment) Regulations 2014 (<http://www.legislation.gov.uk/ukxi/2014/525/contents/made>)

The direction by the Treasury dated 5 April 2016 under Section 59A of the Social Security Pensions Act 1975 (<http://www.lgpsregs.org/images/OtherGuidance/HMTDirectionApr2016.pdf>)

We have made no allowance for other changes which may be introduced in the future.

The Fund is also responsible for paying and, where appropriate, recharging to employers the benefits arising from the award of compensatory added years (CAY) of service on premature retirement. Unless these CAY benefits have been converted into “funded” benefits, they are normally recharged to the relevant employer (together with associated pension increases), and so are excluded from the valuation.

The benefits that will emerge from money purchase AVCs paid by members, and SCAVCs paid by employers, and the corresponding invested assets in respect of these AVCs and SCAVCs, have been excluded from the valuation.

UK and European law requires pension schemes to provide equal benefits to men and women in respect of service after 17 May 1990 (the date of the “Barber” judgement) and this includes providing equal benefits accrued from that date to reflect the differences in GMPs. There is no consensus or legislative guidance as to what adjustments have to be made to scheme benefits to correct these inequalities for ongoing schemes (i.e. for schemes other than those which are in the Pension Protection Fund). The valuation makes no allowance for removal of these inequalities. It is consequently possible that additional funding will be required for equalisation once the law has been clarified. It is recommended that the Administering Authority seek further professional advice if it is concerned about this issue.

E

SUMMARY OF INCOME AND EXPENDITURE

INCOME	YEAR ENDING 31 MARCH			Total £000s
	2014 £000s	2015 £000s	2016 £000s	
Fund at beginning of year	5,011,000	5,188,100	5,830,700	5,011,000
Contributions to Fund:				
Employees	54,000	54,800	54,900	163,700
Employers	160,000	183,200	183,700	526,900
Transfer Values received	7,100	4,800	5,500	17,400
Investment income	105,300	90,700	99,100	295,100
Change in market value of investments	118,400	684,700	165,900	969,000

EXPENDITURE	YEAR ENDING 31 MARCH			Total £000s
	2014 £000s	2015 £000s	2016 £000s	
Pensions for members/ spouses/partners/dependants	183,900	192,000	200,200	576,100
Retiring allowances and death gratuities	37,200	48,200	45,600	131,000
Withdrawals	-	-	-	-
Transfer Values paid	15,300	100,100	12,500	127,900
Investment expenses	25,100	29,400	32,500	87,000
Administration expenses	6,000	6,000	12,800	24,800
Fund at end of year	5,188,100	5,830,700	6,036,200	6,036,200

F**ANALYSIS OF MEMBERSHIP EXPERIENCE**

The analysis below compares the actual experience over the 3 year period with the assumptions used for the 2016 valuation.

	ACTUAL	EXPECTED	%
Ill Health Retirements	311	289	108
Withdrawals	16,962	7,786	218
Pensioner Deaths (lives)	3,619	3,026	120
Pensioner Deaths (£000 p.a. of pension)	12,085	10,938	110

Note that actual withdrawals can include members moving to another LGPS Fund, bulk transfers and also transfers under the special transfer club terms.

G

RATES AND ADJUSTMENTS CERTIFICATE ISSUED IN ACCORDANCE WITH REGULATION 62

NAME OF FUND

Lancashire County Pension Fund

PRIMARY CONTRIBUTION RATE

I hereby certify that, in my opinion, the primary rate of the employers' contribution for the whole Fund for each of the three years beginning 1 April 2017 is 14.9% of pensionable pay.

The primary rate of contribution for each employer for the three year period beginning 1 April 2017 is set out in the attached schedule.

SECONDARY CONTRIBUTION RATE

I hereby certify that, in my opinion, the secondary rate of the employer's contribution for the whole Fund for each of the three years beginning 1 April 2017 is as follows:

2017/18	£36.0 million plus 0.6% of pensionable pay
2018/19	£37.1 million plus 0.7% of pensionable pay
2019/20	£38.1 million plus 0.9% of pensionable pay

The secondary rate of contribution for each employer for each of the three years beginning 1 April 2017 is set out in the attached schedule.

CONTRIBUTION AMOUNTS PAYABLE

The total contribution payable for each employer is the total of the primary and secondary rates as detailed in the attached schedule. Contributions will be paid monthly in arrears with each payment normally being due by the 19th of the following month (or the 22nd if paid electronically) unless otherwise noted in the schedule.

FURTHER ADJUSTMENTS

A further individual adjustment shall be applied in respect of each non-ill health early retirement occurring in the period of three years covered by this certificate. This further individual adjustment will be calculated in accordance with methods agreed from time to time between the Fund's Actuary and the Administering Authority.

The contributions set out in the attached schedule represent the minimum contribution which may be paid by each employer in total over the 3 years covered by the certificate. Additional contributions or a different pattern of contributions may be paid if requested by the employer concerned at the sole discretion of the Administering Authority as agreed with the Actuary. The total contributions payable by each employer will be subject to a minimum of zero.

The individual employer contributions may be varied as agreed by the Actuary and Administering Authority to reflect any changes in contribution requirements as a result of any benefit costs being insured with a third party or parties including where the third party or parties participate in the Fund.

In cases where an element of an existing Scheme employer's deficit is transferred to a new employer on its inception, the Scheme employer's deficit recovery contributions, as shown on the schedule to this Certificate in Appendix H, may be reallocated between the Scheme employer and the new employer to reflect this, on advice of the Actuary and as agreed with the Administering Authority so that the total payments remain the same overall.

The Administering Authority and employer with advice from the Fund's Actuary can agree that contributions payable under this certificate can be sourced under an alternative financing arrangement which provides the Fund with equivalent cash contributions.

REGULATION 62(8)

No allowance for non-ill health early retirements has been made in determining the results of the valuation, on the basis that the costs arising will be met by additional contributions. Allowance for ill health retirements has been included in each employer's contribution rate, on the basis of the method and assumptions set out in the report.

Signature: 

Name: John Livesey
Qualification: Fellow of the Institute and Faculty of Actuaries

Date of signing: 31 March 2017

Signature: 

Name: Mark Wilson
Qualification: Fellow of the Institute and Faculty of Actuaries

H

SCHEDULE TO THE RATES AND ADJUSTMENTS CERTIFICATE DATED 31 MARCH 2017

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Major authorities							
Blackburn with Darwen Borough Council	14.8%	-2.4% plus £4,773,000	-1.4% plus £4,773,000	£4,857,500	12.4% plus £4,773,000	13.4% plus £4,773,000	14.8% plus £4,857,500
Blackpool Borough Council	14.8%	*£3,315,200	*£4,087,500	*£4,501,400	14.8% plus *£3,315,200	14.8% plus *£4,087,500	14.8% plus *£4,501,400
Burnley Borough Council	15.4%	*£1,379,800	*£1,370,600	*£1,361,400	15.4% plus *£1,379,800	15.4% plus *£1,370,600	15.4% plus *£1,361,400
Chorley Borough Council	14.4%	£790,500	£840,500	£966,300	14.4% plus £790,500	14.4% plus £840,500	14.4% plus £966,300
Fylde Borough Council	15.2%	*£583,800	*£579,900	*£576,000	15.2% plus *£583,800	15.2% plus *£579,900	15.2% plus *£576,000
Hyndburn Borough Council	15.3%	12.7%	12.7%	12.7%	28%	28%	28%
Lancashire Chief Constable	14.0%	**£1,791,700	**£1,858,000	**£1,926,700	14% plus **£1,791,700	14% plus **£1,858,000	14% plus **£1,926,700
Lancashire County Council - excluding schools	15.1%	*£9,534,200	*£9,470,300	*£9,406,900	15.1% plus *£9,534,200	15.1% plus *£9,470,300	15.1% plus *£9,406,900
Lancashire County Council schools	15.1%	4.7%	4.8%	4.9%	19.8%	19.9%	20.0%
Lancashire Fire & Rescue Service	14.7%	*** (£312,700)	*** (£324,300)	*** (£336,300)	14.7% less ***£312,700	14.7% less ***£324,300	14.7% less ***£336,300

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Lancaster City Council	15.5%	*£945,900	*£939,600	*£933,300	15.5% plus *£945,900	15.5% plus *£939,600	15.5% plus *£933,300
Pendle Borough Council	15.5%	*£1,219,900	*£1,211,700	*£1,203,600	15.5% plus *£1,219,900	15.5% plus *£1,211,700	15.5% plus *£1,203,600
Preston City Council	15.4%	*£1,409,100	*£1,399,700	*£1,390,300	15.4% plus *£1,409,100	15.4% plus *£1,399,700	15.4% plus *£1,390,300
Ribble Valley Borough Council	16.5%	**£173,500	**£179,900	**£186,500	16.5% plus **£173,500	16.5% plus **£179,900	16.5% plus **£186,500
Rosendale Borough Council	15.6%	*£996,900	*£990,200	*£983,600	15.6% plus *£996,900	15.6% plus *£990,200	15.6% plus *£983,600
South Ribble Borough Council	14.9%	**£547,200	**£567,500	**£588,400	14.9% plus **£547,200	14.9% plus **£567,500	14.9% plus **£588,400
West Lancashire District Council	16.3%	*£985,600	*£979,000	*£972,400	16.3% plus *£985,600	16.3% plus *£979,000	16.3% plus *£972,400
Wyre Borough Council	15.8%	*£707,700	*£702,900	*£698,200	15.8% plus *£707,700	15.8% plus *£702,900	15.8% plus *£698,200

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Other scheme employers							
Accrington & Rossendale College	15.1%	£269,300	£279,200	£289,600	15.1% plus £269,300	15.1% plus £279,200	15.1% plus £289,600
Blackburn College	14.2%	£82,800	£85,900	£89,000	14.2% plus £82,800	14.2% plus £85,900	14.2% plus £89,000
Blackburn St Mary's College	14.6%	£9,100	£9,400	£9,800	14.6% plus £9,100	14.6% plus £9,400	14.6% plus £9,800
Blackpool & The Fylde College	14.4%	£192,600	£199,700	£207,100	14.4% plus £192,600	14.4% plus £199,700	14.4% plus £207,100
Blackpool Coastal Housing	13.9%	-1.9%	-1.9%	-1.9%	12%	12%	12%
Blackpool Housing Company Ltd	13.4%	-0.1%	-0.1%	-0.1%	13.3%	13.3%	13.3%
Blackpool Sixth Form College	12.1%	-0.3%	-0.3%	-0.3%	11.8%	11.8%	11.8%
Burnley College	13.2%	£124,900	£129,500	£134,300	13.2% plus £124,900	13.2% plus £129,500	13.2% plus £134,300
Cardinal Newman College	13.9%	£49,400	£51,200	£53,100	13.9% plus £49,400	13.9% plus £51,200	13.9% plus £53,100
County Councils Network	5.2%	£700	£700	£800	5.2% plus £700	5.2% plus £700	5.2% plus £800
Edge Hill University	14.3%	£780,300	£809,200	£839,100	14.3% plus £780,300	14.3% plus £809,200	14.3% plus £839,100
Lancaster & Morecambe College	15.3%	£121,300	£125,800	£130,400	15.3% plus £121,300	15.3% plus £125,800	15.3% plus £130,400
Myerscough College	14.2%	£165,800	£171,900	£178,300	14.2% plus £165,800	14.2% plus £171,900	14.2% plus £178,300
Nelson and Colne College	14.0%	£50,700	£52,500	£54,500	14% plus £50,700	14% plus £52,500	14% plus £54,500
Police & Crime Commissioner	13.9%	£3,800	£3,900	£4,100	13.9% plus £3,800	13.9% plus £3,900	13.9% plus £4,100

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Preston College	13.3%	£259,900	£269,500	£279,500	13.3% plus £259,900	13.3% plus £269,500	13.3% plus £279,500
Runshaw College	15.7%	£86,000	£89,200	£92,500	15.7% plus £86,000	15.7% plus £89,200	15.7% plus £92,500
University of Central Lancashire	14.3%	£949,800	£984,900	£1,021,400	14.3% plus £949,800	14.3% plus £984,900	14.3% plus £1,021,400

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Designated / Resolution body							
Blackpool Transport Services Ltd	23.1%	-23.1%	-23.1%	-23.1%	0%	0%	0%
Catterall Parish Council	25.3%	Nil	Nil	Nil	25.3%	25.3%	25.3%
Darwen Town Council	15.9%	Nil	Nil	Nil	15.9%	15.9%	15.9%
Garstang Town Council	17.5%	Nil	Nil	Nil	17.5%	17.5%	17.5%
Habergham Eaves Parish Council	15.8%	Nil	Nil	Nil	15.8%	15.8%	15.8%
Kirkland Parish Council	25.2%	-0.7%	-0.7%	-0.7%	24.5%	24.5%	24.5%
Lancs Sports Partnership Ltd	10.9%	-0.6%	-0.6%	-0.6%	10.3%	10.3%	10.3%
Marketing Lancashire Ltd	12.6%	-1.1%	-1.1%	-1.1%	11.5%	11.5%	11.5%
Morecambe Town Council	19.2%	-1.2%	-1.2%	-1.2%	18%	18%	18%
Old Laund Booth Parish Council	15.9%	Nil	Nil	Nil	15.9%	15.9%	15.9%
Penwortham Town Council	15.8%	-3.4%	-3.4%	-3.4%	12.4%	12.4%	12.4%
Pilling Parish Council	27.6%	£100	£100	£100	27.6% plus £100	27.6% plus £100	27.6% plus £100
Preesall Town Council	23.2%	£100	£100	£100	23.2% plus £100	23.2% plus £100	23.2% plus £100
Rosendale Transport Ltd.	25.6%	Nil	Nil	Nil	25.6%	25.6%	25.6%
St Anne's on Sea Town Council	17.0%	£1,100	£1,100	£1,200	17% plus £1,100	17% plus £1,100	17% plus £1,200
The Lancashire Colleges Ltd	17.8%	-3.7%	-3.7%	-3.7%	14.1%	14.1%	14.1%
Whittle-le-woods Parish Council	17.0%	Nil	Nil	Nil	17%	17%	17%
Whitworth Town Council	12.8%	£2,200	£2,200	£2,300	12.8% plus £2,200	12.8% plus £2,200	12.8% plus £2,300

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Academies / schools							
Academy at Worden	14.6%	£13,400	£13,900	£14,400	14.6% plus £13,400	14.6% plus £13,900	14.6% plus £14,400
Accrington Academy	14.3%	-2.9%	-2.9%	-2.9%	11.4%	11.4%	11.4%
Albany Science College (Academy)	16.2%	£23,800	£24,700	£25,600	16.2% plus £23,800	16.2% plus £24,700	16.2% plus £25,600
All Saints CE Primary School (Academy)	14.1%	£16,200	£16,800	£17,400	14.1% plus £16,200	14.1% plus £16,800	14.1% plus £17,400
Anchorsholme Academy	16.0%	£34,900	£36,200	£37,500	16% plus £34,900	16% plus £36,200	16% plus £37,500
ANWET - Darwen Aldridge Community Academy	14.3%	-2%	-2%	-2%	12.3%	12.3%	12.3%
ANWET - Darwen Vale Academy	15.1%	£64,600	£67,000	£69,500	15.1% plus £64,600	15.1% plus £67,000	15.1% plus £69,500
ANWET - Sudell PS Academy	19.1%	£18,300	£19,000	£19,700	19.1% plus £18,300	19.1% plus £19,000	19.1% plus £19,700
Bacup and Rawtenstall Grammar School (Academy)	14.8%	£22,600	£23,400	£24,300	14.8% plus £22,600	14.8% plus £23,400	14.8% plus £24,300
Belthorn Primary Academy	18.6%	£7,300	£7,600	£7,900	18.6% plus £7,300	18.6% plus £7,600	18.6% plus £7,900
BFET (Marton Primary Academy)	16.3%	£22,800	£23,600	£24,500	16.3% plus £22,800	16.3% plus £23,600	16.3% plus £24,500
BFET (South Shore Academy)	14.9%	£48,200	£50,000	£51,800	14.9% plus £48,200	14.9% plus £50,000	14.9% plus £51,800
Bishop Rawstorne C of E High Academy	17.5%	£28,500	£29,600	£30,600	17.5% plus £28,500	17.5% plus £29,600	17.5% plus £30,600

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Blackpool MAT (Revoe)	14.6%	£47,500	£49,300	£51,100	14.6% plus £47,500	14.6% plus £49,300	14.6% plus £51,100
Blessed Edward MAT (Christ)	16.3%	£11,900	£12,300	£12,800	16.3% plus £11,900	16.3% plus £12,300	16.3% plus £12,800
Blessed Edward MAT (St Cuthbert)	15.3%	£24,900	£25,800	£26,800	15.3% plus £24,900	15.3% plus £25,800	15.3% plus £26,800
Blessed Edward MAT (St Mary's)	15.5%	£46,500	£48,200	£50,000	15.5% plus £46,500	15.5% plus £48,200	15.5% plus £50,000
Bowland High Academy Trust	17.6%	£29,000	£30,100	£31,200	17.6% plus £29,000	17.6% plus £30,100	17.6% plus £31,200
Cidari Ed Ltd (Marsden St John)	17.0%	£9,600	£10,000	£10,400	17% plus £9,600	17% plus £10,000	17% plus £10,400
Cidari Edu Ltd (Baines Endowed)	12.7%	£39,300	£40,800	£42,300	12.7% plus £39,300	12.7% plus £40,800	12.7% plus £42,300
Cidari Education Trust	8.8%	£2,400	Nil	Nil	8.8% plus £2,400	8.8%	8.8%
Cidari Education Ltd (St Aidans)	14.0%	£17,100	£17,700	£18,400	14% plus £17,100	14% plus £17,700	14% plus £18,400
Cidari Education Ltd (St Barnabas)	16.2%	£20,100	£20,800	£21,600	16.2% plus £20,100	16.2% plus £20,800	16.2% plus £21,600
Cidari Education Ltd (St James)	13.8%	£17,300	£17,900	£18,600	13.8% plus £17,300	13.8% plus £17,900	13.8% plus £18,600
Clitheroe Royal Grammar School (Academy)	16.7%	£58,000	£60,100	£62,400	16.7% plus £58,000	16.7% plus £60,100	16.7% plus £62,400
CSCST (Burnley High Free School)	13.6%	£300	£300	£300	13.6% plus £300	13.6% plus £300	13.6% plus £300
Devonshire Academy	15.7%	£36,900	£38,300	£39,700	15.7% plus £36,900	15.7% plus £38,300	15.7% plus £39,700

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Education Partnership Trust (Coal Clough)	17.6%	£20,000	£20,700	£21,500	17.6% plus £20,000	17.6% plus £20,700	17.6% plus £21,500
Education Partnership Trust (Eden School)	10.7%	£1,400	£1,500	£1,600	10.7% plus £1,400	10.7% plus £1,500	10.7% plus £1,600
Education Partnership Trust (Pleckgate HS)	15.9%	£66,200	£68,600	£71,200	15.9% plus £66,200	15.9% plus £68,600	15.9% plus £71,200
FACT (Unity Academy)	13.5%	£59,500	£61,700	£64,000	13.5% plus £59,500	13.5% plus £61,700	13.5% plus £64,000
FCAT (Aspire Academy)	17.1%	£48,500	£50,300	£52,200	17.1% plus £48,500	17.1% plus £50,300	17.1% plus £52,200
FCAT (Montgomery HS Academy)	14.3%	£55,000	£57,000	£59,100	14.3% plus £55,000	14.3% plus £57,000	14.3% plus £59,100
Fulwood Academy	15.2%	-3.9%	-3.9%	-3.9%	11.3%	11.3%	11.3%
Fylde Coast Academy Trust	13.4%	£1,500	£1,600	£1,600	13.4% plus £1,500	13.4% plus £1,600	13.4% plus £1,600
Garstang Community Academy	17.9%	£27,900	£28,900	£30,000	17.9% plus £27,900	17.9% plus £28,900	17.9% plus £30,000
Hambleton Primary Academy	13.6%	£6,800	£7,100	£7,300	13.6% plus £6,800	13.6% plus £7,100	13.6% plus £7,300
Hawe Side Primary School	15.6%	£17,500	£18,100	£18,800	15.6% plus £17,500	15.6% plus £18,100	15.6% plus £18,800
Hodgson Academy	17.5%	£43,400	£45,000	£46,700	17.5% plus £43,400	17.5% plus £45,000	17.5% plus £46,700
Lancashire Care Foundation	20.1%	-5%	-5%	-5%	15.1%	15.1%	15.1%
Lancaster Girls Grammar School (Academy)	15.5%	£41,900	£43,400	£45,000	15.5% plus £41,900	15.5% plus £43,400	15.5% plus £45,000

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Lancaster Royal Grammar School (Academy)	17.9%	£66,500	£69,000	£71,500	17.9% plus £66,500	17.9% plus £69,000	17.9% plus £71,500
Langdale Free School	15.4%	Nil	Nil	Nil	15.4%	15.4%	15.4%
Lostock Hall Academy Trust	17.2%	£30,100	£31,200	£32,400	17.2% plus £30,100	17.2% plus £31,200	17.2% plus £32,400
Maharishi School (Free School)	18.4%	-0.1%	-0.1%	-0.1%	18.3%	18.3%	18.3%
Moorside Community PS Academy	14.8%	£10,800	£11,200	£11,600	14.8% plus £10,800	14.8% plus £11,200	14.8% plus £11,600
Norbreck Primary Academy	15.0%	£18,400	£19,100	£19,800	15% plus £18,400	15% plus £19,100	15% plus £19,800
Parbold Douglas CE Academy	16.1%	£9,700	£10,100	£10,400	16.1% plus £9,700	16.1% plus £10,100	16.1% plus £10,400
Park Academy	13.2%	£55,300	£57,300	£59,500	13.2% plus £55,300	13.2% plus £57,300	13.2% plus £59,500
Parklands High School (Academy)	14.6%	£25,900	£26,800	£27,800	14.6% plus £25,900	14.6% plus £26,800	14.6% plus £27,800
Pendle Education Trust (Colne Primet)	17.5%	£14,200	£14,700	£15,300	17.5% plus £14,200	17.5% plus £14,700	17.5% plus £15,300
Pendle Education Trust (Castercliff)	17.2%	£24,900	£25,800	£26,800	17.2% plus £24,900	17.2% plus £25,800	17.2% plus £26,800
Pendle Education Trust (Walter Street Primary School)	15.5%	£14,700	£15,200	£15,800	15.5% plus £14,700	15.5% plus £15,200	15.5% plus £15,800
Penwortham Priory Academy	15.4%	£17,100	£17,700	£18,300	15.4% plus £17,100	15.4% plus £17,700	15.4% plus £18,300
Queen Elizabeth's Grammar School	16.1%	£67,100	£69,600	£72,200	16.1% plus £67,100	16.1% plus £69,600	16.1% plus £72,200

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Ripley St Thomas C of E Academy	17.6%	£43,000	£44,600	£46,200	17.6% plus £43,000	17.6% plus £44,600	17.6% plus £46,200
Roseacre Primary Academy	15.3%	£23,100	£24,000	£24,800	15.3% plus £23,100	15.3% plus £24,000	15.3% plus £24,800
St Christopher's C of E high School (Academy)	16.1%	£88,000	£91,300	£94,600	16.1% plus £88,000	16.1% plus £91,300	16.1% plus £94,600
St Georges Academy	15.1%	£39,200	£40,700	£42,200	15.1% plus £39,200	15.1% plus £40,700	15.1% plus £42,200
St Luke and St Philip (Academy)	14.7%	£28,100	£29,100	£30,200	14.7% plus £28,100	14.7% plus £29,100	14.7% plus £30,200
St Michael's C of E High School (Academy)	16.5%	£45,600	£47,200	£49,000	16.5% plus £45,600	16.5% plus £47,200	16.5% plus £49,000
St Wilfrid's C of E Academy	13.9%	£91,900	£95,300	£98,800	13.9% plus £91,900	13.9% plus £95,300	13.9% plus £98,800
Tarleton Academy	14.9%	£29,400	£30,500	£31,600	14.9% plus £29,400	14.9% plus £30,500	14.9% plus £31,600
Tauheedul Education Trust	11.2%	-1.1%	-1.1%	-1.1%	10.1%	10.1%	10.1%
Tauheedul ET (Eden BS Preston)	10.8%	£900	Nil	Nil	10.8% plus £900	10.8%	10.8%
Tauheedul ET (Eden GS Birmingham)	10.1%	Nil	Nil	Nil	10.1%	10.1%	10.1%
Tauheedul ET (Eden GS Slough)	12.2%	£100	Nil	Nil	12.2% plus £100	12.2%	12.2%
Tauheedul ET (Olive Blackburn)	8.5%	-1%	-1%	-1%	7.5%	7.5%	7.5%
Tauheedul ET (Olive London)	8.3%	-1.1%	-1.1%	-1.1%	7.2%	7.2%	7.2%
Tauheedul ET Eden BS Bolton FS	14.2%	£100	£100	£100	14.2% plus £100	14.2% plus £100	14.2% plus £100
Tauheedul ET Eden GS Coventry	8.6%	-0.3%	-0.3%	-0.3%	8.3%	8.3%	8.3%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Tauheedul ET Eden GS Waltham	11.6%	£1,300	£1,300	£1,400	11.6% plus £1,300	11.6% plus £1,300	11.6% plus £1,400
Tauheedul ET Islam Girls HS	16.1%	£17,900	£18,600	£19,200	16.1% plus £17,900	16.1% plus £18,600	16.1% plus £19,200
Tauheedul Islam Boys High School (Free School)	10.5%	£900	£900	£1,000	10.5% plus £900	10.5% plus £900	10.5% plus £1,000
Thames Primary Academy	14.2%	£29,100	£30,200	£31,300	14.2% plus £29,100	14.2% plus £30,200	14.2% plus £31,300
The Heights Free School	14.0%	£22,600	£23,400	£24,300	14% plus £22,600	14% plus £23,400	14% plus £24,300
Tower MAT (Blackpool Gateway Academy)	12.0%	£4,400	£4,600	£4,700	12% plus £4,400	12% plus £4,600	12% plus £4,700
Waterloo Primary School (Academy)	14.2%	£30,900	£32,000	£33,200	14.2% plus £30,900	14.2% plus £32,000	14.2% plus £33,200
Wensley Fold CE Primary Academy	14.1%	£29,900	£31,000	£32,200	14.1% plus £29,900	14.1% plus £31,000	14.1% plus £32,200
Westcliff Primary School (Academy)	15.3%	£12,600	£13,100	£13,500	15.3% plus £12,600	15.3% plus £13,100	15.3% plus £13,500
Witton Park Academy Trust	15.8%	£55,900	£58,000	£60,100	15.8% plus £55,900	15.8% plus £58,000	15.8% plus £60,100

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Admitted bodies (community)							
Arnold Schools Ltd.	19.4%	£26,200	£27,100	£28,100	19.4% plus £26,200	19.4% plus £27,100	19.4% plus £28,100
Blackpool Fylde Wyre Blind Society	21.6%	-20.6%	-20.6%	-20.6%	1%	1%	1%
Blackpool Zoo	19.6%	-4.4%	-4.4%	-4.4%	15.2%	15.2%	15.2%
Blackpool, Fylde and Wyre Credit Union	21.2%	-1.6%	-1.6%	-1.6%	19.6%	19.6%	19.6%
Calico Housing Limited	13.8%	£209,200	£216,900	£224,900	13.8% plus £209,200	13.8% plus £216,900	13.8% plus £224,900
Catholic Caring Services	16.6%	£65,500	£67,900	£70,400	16.6% plus £65,500	16.6% plus £67,900	16.6% plus £70,400
Chorley Community Housing	16.4%	-3.9%	-3.9%	-3.9%	12.5%	12.5%	12.5%
Community and Business Partners CIC	14.8%	-2%	-2%	-2%	12.8%	12.8%	12.8%
Community Council of Lancashire	19.5%	£26,000	£27,500	£28,500	19.5% plus £26,000	19.5% plus £27,500	19.5% plus £28,500
Community Gateway Association	16.1%	-1.5%	-1.5%	-1.5%	14.6%	14.6%	14.6%
Contour Housing Group	22.2%	-22.2%	-22.2%	-22.2%	0%	0%	0%
Fylde Community Link	16.8%	£11,200	£11,700	£12,100	16.8% plus £11,200	16.8% plus £11,700	16.8% plus £12,100
Galloways Society for Blind	20.2%	£16,600	£17,200	£17,800	20.2% plus £16,600	20.2% plus £17,200	20.2% plus £17,800
Hyndburn Homes Ltd	18.4%	-2.8%	-2.8%	-2.8%	15.6%	15.6%	15.6%
Kirkham Grammar School (Independent)	19.9%	£29,300	£30,400	£31,500	19.9% plus £29,300	19.9% plus £30,400	19.9% plus £31,500

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Lancashire County Branch Unison	18.2%	-18.2%	-18.2%	-18.2%	0%	0%	0%
Lancaster University	13.4%	£504,700	£523,400	£542,700	13.4% plus £504,700	13.4% plus £523,400	13.4% plus £542,700
Leisure in Hyndburn	13.0%	£47,800	£49,600	£51,400	13% plus £47,800	13% plus £49,600	13% plus £51,400
Local Pensions Partnership Ltd	12.4%	Nil	Nil	Nil	12.4%	12.4%	12.4%
Lytham Schools Foundation	18.0%	-4.4%	-4.4%	-4.4%	13.6%	13.6%	13.6%
North West & North Wales Sea Fisheries Committee	16.6%	£25,500	£26,500	£27,500	16.6% plus £25,500	16.6% plus £26,500	16.6% plus £27,500
Pendle Leisure Trust	12.6%	£20,600	£21,400	£22,200	12.6% plus £20,600	12.6% plus £21,400	12.6% plus £22,200
Preston Care and Repair	13.7%	£3,600	Nil	Nil	13.7% plus £3,600	13.7%	13.7%
Progress Housing Group Ltd	17.9%	-2.3%	-2.3%	-2.3%	15.6%	15.6%	15.6%
QEGS Blackburn Ltd	16.5%	-0.3%	-0.3%	-0.3%	16.2%	16.2%	16.2%
Ribble Valley Homes Ltd	18.9%	-10.2%	-10.2%	-10.2%	8.7%	8.7%	8.7%
Rosendale Leisure Trust	13.6%	-2.1%	-2.1%	-2.1%	11.5%	11.5%	11.5%
Surestart Hyndburn	13.8%	£22,400	£23,200	£24,100	13.8% plus £22,400	13.8% plus £23,200	13.8% plus £24,100
The Ormerod Home Trust Ltd.	21.2%	£145,100	£150,400	£156,000	21.2% plus £145,100	21.2% plus £150,400	21.2% plus £156,000
Together Housing	14.7%	£87,700	£90,900	£94,300	14.7% plus £87,700	14.7% plus £90,900	14.7% plus £94,300
University of Cumbria	14.0%	£608,700	£631,200	£654,600	14% plus £608,700	14% plus £631,200	14% plus £654,600
Wyre Housing Association	19.3%	£257,600	£267,100	£277,000	19.3% plus £257,600	19.3% plus £267,100	19.3% plus £277,000

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Admitted bodies (contractor)							
Alternative Futures Group Ltd	22.2%	-22.2%	-22.2%	-22.2%	0%	0%	0%
Andron (formerly Solar)	21.3%	-21.3%	-21.3%	-21.3%	0%	0%	0%
Bootstrap Enterprises Ltd	18.8%	-17.9%	-17.9%	-17.9%	0.9%	0.9%	0.9%
Bulloughs (Carr Head PS)	25.6%	£500	Nil	Nil	25.6% plus £500	25.6%	25.6%
Bulloughs (Lytham Hall)	21.0%	Nil	Nil	Nil	21%	21%	21%
Bulloughs (Our Lady)	16.8%	-7.3%	-7.3%	-7.3%	9.5%	9.5%	9.5%
Burnley Leisure	13.6%	-2%	-2%	-2%	11.6%	11.6%	11.6%
Capita (Rossendale BC Transfer)	20.7%	-20.7%	-20.7%	-20.7%	0%	0%	0%
Catering Academy Ltd	20.1%	-20.1%	-20.1%	-20.1%	0%	0%	0%
Caterlink (Mount Pleasant School)	16.8%	-1.9%	-1.9%	-1.9%	14.9%	14.9%	14.9%
CG Cleaning (Kennington Rd)	22.7%	-17.4%	Nil	Nil	5.3%	22.7%	22.7%
CG Cleaning (St Augustine)	22.1%	-3%	Nil	Nil	19.1%	22.1%	22.1%
Churchill (Holy Family)	21.4%	-16%	Nil	Nil	5.4%	21.4%	21.4%
Churchill (St Anne St Joseph)	18.5%	-2.8%	Nil	Nil	15.7%	18.5%	18.5%
Cofely FM Ltd (Blake/Cross)	26.7%	-26.7%	-26.7%	-26.7%	0%	0%	0%
Cofely FM Ltd (Lend Lease)	21.9%	-5.4%	-5.4%	-5.4%	16.5%	16.5%	16.5%
Cofely FM Ltd (Pleckgate)	18.8%	-10.8%	-10.8%	-10.8%	8%	8%	8%
Cofely FM Ltd (Witton Park)	23.2%	-3.2%	-3.2%	-3.2%	20%	20%	20%
Compass Contract Services	23.4%	-0.4%	-0.4%	-0.4%	23%	23%	23%
Compass Contract Services (UK) Ltd (Preston College)	20.9%	-0.9%	-0.9%	-0.9%	20%	20%	20%
Consultant Caterers Ltd	22.5%	-17.8%	-17.8%	-17.8%	4.7%	4.7%	4.7%
Creative Support Limited (Midway Mental health)	18.2%	-4.2%	-4.2%	-4.2%	14%	14%	14%
Creative Support Ltd	21.0%	-21%	-21%	-21%	0%	0%	0%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Elite CES Ltd (Fulwood Cadley)	19.9%	Nil	Nil	Nil	19.9%	19.9%	19.9%
Elite CES Ltd (Moor Nook PS)	23.1%	Nil	Nil	Nil	23.1%	23.1%	23.1%
Elite Cleaning and Environmental Services Ltd	16.7%	-9.8%	-9.8%	-9.8%	6.9%	6.9%	6.9%
Eric Wright Facilities Management Ltd (Highfield High School)	20.2%	-19.5%	-19.5%	-19.5%	0.7%	0.7%	0.7%
FCC Environment	20.6%	Nil	Nil	Nil	20.6%	20.6%	20.6%
Fylde YMCA	16.5%	-16.5%	-16.5%	-16.5%	0%	0%	0%
I CARE	26.1%	-26.1%	-26.1%	-26.1%	0%	0%	0%
Ind Living Fund (Blackpool BC)	19.7%	-2%	Nil	Nil	17.7%	19.7%	19.7%
Lend Lease Cons.(EMEA) ICT	18.8%	-5.3%	-5.3%	-5.3%	13.5%	13.5%	13.5%
Lend Lease Cons.(EMEA) ph3	13.9%	-3%	-3%	-3%	10.9%	10.9%	10.9%
Lend Lease Construction (EMEA) Limited (Fulwood Academy)	16.9%	-1.9%	-1.9%	-1.9%	15%	15%	15%
Liberata (UK) Ltd (Burnley)	18.7%	-1.4%	-1.4%	-1.4%	17.3%	17.3%	17.3%
Liberata UK Ltd (Pendle)	19.2%	-6.5%	-6.5%	-6.5%	12.7%	12.7%	12.7%
Mack Trading Int. (Ltd)	21.1%	-21.1%	-21.1%	-21.1%	0%	0%	0%
May Gurney Fleet and Passenger Services Limited	21.7%	-21.7%	-21.7%	-21.7%	0%	0%	0%
Mellor's (Bishop Rawstorne)	21.2%	-6%	-6%	-6%	15.2%	15.2%	15.2%
Mellors (Brinscall St John)	18.9%	-0.1%	-0.1%	-0.1%	18.8%	18.8%	18.8%
Mellor's (Hambleton PS)	27.6%	-1.7%	-1.7%	-1.7%	25.9%	25.9%	25.9%
Mellors (Queens Drive)	20.5%	Nil	Nil	Nil	20.5%	20.5%	20.5%
Mellors (Trinity, St Michael)	24.7%	Nil	Nil	Nil	24.7%	24.7%	24.7%
Mellor's (Worden SC)	28.8%	-28.8%	-28.8%	-28.8%	0%	0%	0%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Mellor's Catering (Belthorn Academy)	21.1%	Nil	Nil	Nil	21.1%	21.1%	21.1%
NCP Services Ltd	23.6%	-23.6%	-23.6%	-23.6%	0%	0%	0%
RCCN (Basnett Nursery)	22.2%	Nil	Nil	Nil	22.2%	22.2%	22.2%
Ridge Crest Clean Nrth Sacred	28.8%	-28.8%	-28.8%	-28.8%	0%	0%	0%
Service Alliance (Barnoldswick)	21.3%	Nil	Nil	Nil	21.3%	21.3%	21.3%
Service Alliance (Whalley PS)	22.2%	Nil	Nil	Nil	22.2%	22.2%	22.2%
Service Alliance Ltd (Altham)	25.7%	-3.1%	Nil	Nil	22.6%	25.7%	25.7%
Service Alliance Ltd (RCC)	26.6%	£500	Nil	Nil	26.6% plus £500	26.6%	26.6%
South Ribble Community Lesure (Serco)	13.5%	£80,400	£83,400	£86,500	13.5% plus £80,400	13.5% plus £83,400	13.5% plus £86,500
Urbaser Ltd	23.9%	£400	£400	£400	23.9% plus £400	23.9% plus £400	23.9% plus £400
West Lancashire Community Leisure (Serco)	14.9%	-14.9%	-14.9%	-14.9%	0%	0%	0%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Other employers confirmed post valuation							
Freckleton Parish Council	18.6%	Nil	Nil	Nil	18.6%	18.6%	18.6%
PET (West Craven)	17.2%	£18,100	£18,800	£19,500	17.2% plus £18,100	17.2% plus £18,800	17.2% plus £19,500
Andron Heyhouses	23.3%	Nil	Nil	Nil	23.3%	23.3%	23.3%
Blessed Edward Trust	10.7%	Nil	Nil	Nil	10.7%	10.7%	10.7%
Churchill Moorside	25.1%	-4.3%	-4.3%	-4.3%	20.8%	20.8%	20.8%
Clayton-le-Woods Parish Council	17.8%	-0.9%	-0.9%	-0.9%	16.9%	16.9%	16.9%
Cliviger Parish Council	15.9%	Nil	Nil	Nil	15.9%	15.9%	15.9%
Compass HHC	21.6%	Nil	Nil	Nil	21.6%	21.6%	21.6%
Education Partnership Trust	11.2%	-0.4%	-0.4%	-0.4%	10.8%	10.8%	10.8%
FCAT Mereside Primary Academy	16.3%	£27,600	£28,600	£29,700	16.3% plus £27,600	16.3% plus £28,600	16.3% plus £29,700
Mellors Lostock	21.9%	Nil	Nil	Nil	21.9%	21.9%	21.9%
PET	15.5%	£700	£700	£700	15.5% plus £700	15.5% plus £700	15.5% plus £700
Tauheedul Highfield Humanities	16.4%	£57,700	£59,800	£62,000	16.4% plus £57,700	16.4% plus £59,800	16.4% plus £62,000
Tauheedul Olive Birmingham	7.6%	Nil	Nil	Nil	7.6%	7.6%	7.6%
Tauheedul Olive Bolton	11.1%	Nil	Nil	Nil	11.1%	11.1%	11.1%
Tauheedul Olive Preston	9.7%	Nil	Nil	Nil	9.7%	9.7%	9.7%
Taylor Shaw (Parklands HS)	22.4%	-3%	-3%	-3%	19.4%	19.4%	19.4%
Tor View	12.6%	£57,300	£59,400	£61,600	12.6% plus £57,300	12.6% plus £59,400	12.6% plus £61,600
Vision Learning Trust	13.3%	-0.1%	-0.1%	-0.1%	13.2%	13.2%	13.2%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Employers grouped with Council							
Andron Fearn's Sport College	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Bulloughs (St Patrick)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Churchill (Clayton Brook)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Churchill (Morecambe Bay)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Consultant Cleaners (St James)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Elite CES Ltd (St Annes)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Elite CES Ltd (Carr Hill)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
I Care (Ind)	14.8%	-2.4%	-1.4%	Nil	12.4%	13.4%	14.8%
Maxim (Acorns PS)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Maxim (Newton Bluecoat)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Maxim (St Matthews CE PS)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Mellors (Delph Side PS)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Mellors (Holy Cross)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Mellors (Little Hoole)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Mellors (White Ash PS)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Premiserv (St Peter)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
RCCN (Burscough)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
RCCN (Our Ladys Catholic HS)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
RCCN (St Johns)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
RCCN (Whitefield)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Service Alliance (Clitheroe Pendle Primary)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Service Alliance (St Mary Magdalene)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Service Alliance (St Marys RCP)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%

Employer	Primary rate 2017/18 to 2019/20	Secondary rates			Total Contribution rates		
		2017/18	2018/19	2019/20	2017/18	2018/19	2019/20
Service Alliance (St Wilfred)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%
Service Alliance (Whittlefield)	15.1%	Nil	Nil	Nil	15.1%	15.1%	15.1%

Other interested bodies with no pensionable employees

Employer	Proportion of Pension Increases to be Recharged %
Blackpool & Fylde Society for the Deaf	100
Burnley & Pendle Development Association	100
Burton Manor Residential College	100
Ex Department of Transport	100
Ex National Health Service	100
Fylde Coast Development Association	100
Lancashire South East Probation Committee	100
Spastics Society	100

Notes:

- Cash payments in respect of £ lump sums marked * are payable by 30 April 2017. Cash payments in respect of £ lump sums marked ** are payable by 30 April of the year in which they are due. Cash payments in respect of £ lump sums marked *** are payable by the end of the year in which they are due. Where applicable these amounts have been reduced to reflect this early payment;
- With the agreement of the Administering Authority employers may also opt to pay any other element of their employer contributions early, with either all three years being paid in April 2017 or payment being made in the April of the year in question. The cash amounts payable will be reduced in return for this early payment as follows:
 - Payments made in the April of the certified year will be reduced by 2.1% (i.e. the above amounts will be multiplied by 0.979)
 - 2018/19 payments made in April 2017 will be reduced by 6.3% (i.e. the above amounts will be multiplied by 0.937)

- 2019/20 payments made in April 2017 will be reduced by 10.2% (i.e. the above amounts will be multiplied by 0.898)

For these cases the employer will need to estimate in advance the pensionable pay for the entire period, and a balancing adjustment to reflect the actual pensionable pay over the period would be made at the end of the period (no later than 19th April or 22nd April as appropriate following the year end).

3. The percentages shown are percentages of pensionable pay and apply to all members, including those who are members under the 50:50 option under the LGPS from 1 April 2014;
4. The total contributions payable by each employer each year will be subject to a minimum of zero;
5. In cases where an element of an existing Scheme Employer's deficit is transferred to a new employer on its inception, the Scheme Employer's deficit recovery contributions shown in this certificate may be reallocated between the Scheme Employer and the new employer to reflect this, on advice from the actuary.
6. There are a number of additional employers who no longer had any active members within the Fund as at the valuation date. Any final contribution requirement for these employers will be assessed by the Fund in due course on the basis of actuarial advice.
7. The Fund has implemented an internal captive insurance arrangement in order to pool the risks associated with ill health retirement costs. The captive has been designed for employers that could be materially affected by the ill health retirement of one or more of their members. The employers (both existing and new) that will be included in the captive are those with less than 150 active members (excluding major Councils). New employers entering the Fund who fall into this category will also be included. For those employers in the ill-health captive arrangement, allowance for ill health retirements has been included in each employer's contribution rate, on the basis of the method and assumptions set out in the report.

GLOSSARY

Actuarial Valuation: an investigation by an actuary into the ability of the Fund to meet its liabilities. For the LGPS the Fund Actuary will assess the funding level of each participating employer and agree contribution rates with the administering authority to fund the cost of new benefits and make good any existing deficits as set out in the separate Funding Strategy Statement.

Best Estimate Assumption: an assumption where the outcome has a 50/50 chance of being achieved.

Bonds: loans made to an issuer (often a government or a company) which undertakes to repay the loan at an agreed later date. The term refers generically to corporate bonds or government bonds (gilts).

Career Average Revalued Earnings Scheme (CARE): with effect from 1 April 2014, benefits accrued by members in the LGPS take the form of CARE benefits. Every year members will accrue a pension benefit equivalent to 1/49th of their pensionable pay in that year. Each annual pension accrued receives inflationary increases (in line with the annual change in the Consumer Prices Index) over the period to retirement.

Corporate Bond Basis: an approach where the discount rate used to assess the liabilities is determined based on the market yields of high quality corporate bond investments (usually at least AA rated) based on the appropriate duration of the liabilities being assessed. This is usually adopted when an employer is exiting the Fund.

CPI: acronym standing for "Consumer Prices Index". CPI is a measure of inflation with a basket of goods that is assessed on an annual basis. The reference goods and services differs from those of RPI. These goods are expected to provide lower, less volatile inflation increases. Pension increases in the LGPS are linked to the annual change in CPI.

Deficit: the extent to which the value of the Fund's past service liabilities exceeds the value of the Fund's assets.

Discount Rate: the rate of interest used to convert a cash amount e.g. future benefit payments occurring in the future to a present value.

Employer Covenant: the degree to which an employer participating in an occupational pension scheme is willing and able to meet the funding requirements of the scheme.

Employer's Future Service Contribution Rate: the contribution rate payable by an employer, expressed as a % of pensionable pay, as being sufficient to meet the cost of new benefits being accrued by active members in the future. The cost will be net of employee contributions and will include an allowance for the expected level of administrative expenses.

Equities: shares in a company which are bought and sold on a stock exchange.

Solvency/Funding Level: the ratio of the value of the Fund's assets and the value of the Fund's liabilities expressed as a percentage.

Funding Strategy Statement: This is a key governance document that outlines how the administering authority will manage employer's contributions to the Fund.

Solvency Funding Target: an assessment of the present value of benefits to be paid in the future. The desired funding target is to achieve a solvency level of a 100% i.e. assets equal to the past service liabilities assessed on the ongoing concern basis.

Investment Strategy: the long-term distribution of assets among various asset classes that takes into account the Funds objectives and attitude to risk.

Past Service Liabilities: this is the present value of the benefits accrued by members up to the valuation date. It is assessed based on a set of assumptions agreed between the Administering Authority and the Actuary.

Prepayment: the payment by employers of contributions to the Fund earlier than that certified by the Actuary. The amount paid will be reduced compared to the certified amount to reflect the early payment.

Present Value: the value of projected benefit payments, discounted back to the valuation date.

Primary rate of the employers' contribution: the contribution rate required to meet the cost of the future accrual of benefits including ancillary, death in service and ill health benefits together with administration costs. It is expressed as a percentage of pensionable pay, ignoring any past service surplus or deficit, but allowing for any employer-specific circumstances, such as its membership profile, the funding strategy adopted for that employer, the actuarial method used and/or the employer's covenant. The Primary rate for the whole fund is the weighted average (by payroll) of the individual employers' Primary rates.

Prudent Assumption: an assumption where the outcome has a greater than 50/50 chance of being achieved i.e. the outcome is more likely to be overstated than understated. Legislation requires the assumptions adopted for an actuarial valuation to be prudent.

Real Return or Real Discount Rate: a rate of return or discount rate net of CPI inflation.

Recovery Plan: a strategy by which an employer will make up a funding deficit over a specified period of time ("the recovery period", as set out in the Funding Strategy Statement).

Secondary rate of the employers' contribution: an adjustment to the Primary rate to reflect any past service deficit or surplus, to arrive at the rate each employer is required to pay. The Secondary rate may be expressed as a percentage adjustment to the Primary rate, and/or a cash adjustment in each of the three years beginning 1 April in the year following that in which the valuation date falls. The Secondary rate is specified in the rates and adjustments certificate. For any employer, the rate they are actually required to pay is the sum of the Primary and Secondary rates. Secondary rates for the whole fund in each of the three years shall also be disclosed. These will

be calculated as the weighted average based on the whole fund payroll in respect of percentage rates and as a total amount in respect of cash adjustments.

50/50 Scheme: in the LGPS, active members are given the option of accruing a lower benefit in the 50/50 Scheme, in return for paying a lower level of contribution.

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