

NORTH YORKSHIRE COUNTY COUNCIL

PENSION BOARD

20 APRIL 2017

2016 TRIENNIAL VALUATION

1.0 PURPOSE OF THE REPORT

- 1.1 To request that the Pension Board to confirm that the 2016 Valuation process has been carried out in accordance with Regulations.
- 1.2 To provide an opportunity for Pension Board Members to raise any areas of improvement for future Valuations.

2.0 BACKGROUND

- 2.1 The attached report (**Appendix 1**) was taken to the Pension Fund Committee on 23 February 2017 to provide them with an update on the Triennial Valuation. The report also provides the background on the events to date.
- 2.2 At their meeting in February, PFC Members approved the Funding Strategy Statement (FSS), attached in **Appendix 2**. They also delegated responsibility for approving the schedule of contribution requirements to the Treasurer.

3.0 RECENT EVENTS

- 3.1 Since the meeting of the PFC in February 2017, all negotiations with employers have concluded and the final schedule of contribution requirements has been approved by the Treasurer.
- 3.2 The Actuary has also produced a final Valuation Report, attached as **Appendix 3**.

4.0 RECOMMENDATION

- 4.1 Pension Board members confirm that the 2016 Valuation process has been carried out in accordance with regulations.
- 4.2 Pension Board members raise any areas for improvement for future Valuations.

BARRY KHAN
Assistant Chief Executive (Legal and Democratic Services)
County Hall
Northallerton

Background Documents: None

NORTH YORKSHIRE COUNTY COUNCIL

PENSION FUND COMMITTEE

23 FEBRUARY 2017

TRIENNIAL ACTUARIAL VALUATION 2016

Report of the Treasurer

1.0 PURPOSE OF REPORT

- 1.1 To update Members on the progress of the 2016 Triennial Valuation.
- 1.2 To approve the Funding Strategy Statement.

2.0 BACKGROUND

- 2.1 At the PFC meeting on 15 September 2016 Members received a presentation by the Actuary which set out the provisional results of the Valuation at the whole of Fund level. The assumptions used in the process and potential issues for employers, particularly around affordability, were also discussed.
- 2.2 This was followed by a meeting on 11 November 2016 which was attended by representatives of the Fund's employing bodies. This meeting received the same presentation by the Actuary, incorporating issues raised by Members at the PFC meeting in September.
- 2.3 At the PFC meeting on 24 November 2016 Members noted the updated 2016 Valuation position and agreed the flexibility options for employers, the availability of which would be based on the specific circumstances of each employer. A timetable for considering the Triennial Valuation results and signing off the Valuation Report were also discussed.

3.0 CONSULTATION PROCESS

- 3.1 Employers were sent details of their proposed future service rate and deficit contribution requirements as well as a draft of the Funding Strategy Statement. Negotiations have been taking place between officers and a number of employers on the options for flexibility based on their particular circumstances.
- 3.2 By the conclusion of the consultation period a number of employers had made specific requests to use the options for flexibility and amend their contribution requirements, especially those that have had their results calculated on an 'orphan basis' for the first time. These are being discussed and agreed with the Actuary and will be reflected in his report (see **section 5** below).

4.0 EMPLOYER OPTIONS AND CONTRIBUTION RATES

- 4.1 Flexibility available to employers on their results is allowed for the purposes of ensuring employer affordability and reducing of deficits as quickly as possible.
- 4.2 There has in general been a significant increase in the cost of pension benefits calculated by the Actuary. Set against this, there has been a significant improvement in employer funding levels since the 2013 Valuation, at least for employers assessed on a scheduled body basis. The net effect is that on average employers have seen increases in contribution requirements of approximately 2%. There are however significant variations between employers, depending on their specific circumstances.
- 4.3 The most significant issue, causing significant increases in rates for some employers, was that due to the approach taken by the new actuary which was approved by the Committee, a new 'orphan basis' was used to calculate the results for admitted employers with no subsumption agreement in place. This approach was to reflect the potential that certain employers could leave the Fund and crystallise a Gilts based exit calculation. These employers have seen significant increases in their rates compared to the 2013 Valuation position. In these cases, employers have been advised that a subsumption agreement be put in place where possible. A subsumption agreement is where the guarantor would agree to subsume the assets and liabilities of the employer should they leave the Fund. This is considered a stronger guarantee to have in place than the usual guarantee to make the exit payment when the employer exits the Fund, if required.
- 4.4 A number of employers have requested to phase in their rate increases, especially those orphan employers that could not get a subsumption agreement. In most cases this has been over a 3 year period. But in some cases, dependent on the financial position of the employer, this period has been increased up to a maximum of 12 years, being half of the maximum recovery period allowed for any employer.
- 4.5 A small number of employers were allowed to reduce their contribution payment requirements below the future service rate due to having funding levels significantly above 100%.
- 4.6 No employers were permitted to extend the deficit recovery period or to use an improved investment return allowance. No employers enquired about having their own bespoke investment strategy.
- 4.7 Large employers have been provided with the option to prepay their deficit amount either 3 years in advanced or annually in advance. Most of these *employers* have taken up the 3 year option. All employers have also been given the opportunity to make additional lump sum deficit payments and a small number of employers are considering this.
- 4.8 NYPF is still in negotiation with some employers, especially those that are in the process of getting subsumption agreements in place (see paragraph 4.3). Members are therefore asked to delegate responsibility for approving contribution rates to the Treasurer.

5.0 FUNDING STRATEGY STATEMENT

5.1 The principles of the Funding Strategy Statement (FSS) have been agreed through discussions between NYPF and the Actuary. At the presentation provided by the Actuary on 15 September 2016, the approach to be set out in the FSS was provided to Members. The key issues such as phasing in arrangements and deficit payments in advance are mentioned above in section 4. The FSS has been drawn up on this basis and Members are asked to approve this document (attached as **Appendix 1**).

5.2 The main changes to the 2016 Funding Strategy Statement are as follows:

- Wording changes to reflect the recent changes in legislation and CIPFA guidance, including the following:
 - The change to the legislation which now specifies the desirability of keeping future service (“primary”) contribution rates as constant as possible, rather than overall employer contributions; and
 - References to long-term cost efficiency.
- An explanation has been included on the approach to be adopted for orphan employers. This is to recognize that some employers could leave the fund at some point and potentially crystallise an exit payment. Paragraph...
- The approach to phasing in of rate increases over a number of years where appropriate, to smooth out the impact for budget management purposes is described in paragraph...
- An explanation of the new approach to employers in surplus has been included. Any surplus over 110% will normally be paid back to employers over a 6 year period. If an employer has a subsumption agreement in place this payback period extends to the recovery period of the guarantor. This both provides a level of stability in employer contribution requirements and a modest buffer to the employers funding position should this deteriorate.
- Wording has been added in Appendix 1 to reflect the Administering Authority’s approach to setting the funding target for the two orphan universities at the 2016 valuation.

6.0 TRIENNIAL VALUATION REPORT OF THE ACTUARY

6.1 The Actuary’s formal Valuation Report cannot be produced until the negotiations with all employers are complete and the contribution schedule is approved by NYPF (see **paragraph 4.8** above).

6.2 The material to be included in the Valuation Report has been discussed with Members previously, being based on the presentation received from the Actuary, and there are no material changes to the key assumptions or financial circumstances that have been previously agreed.

6.3 The draft Valuation Report is subject to internal review within Aon before being formally certified by 31 March 2017. A draft copy will be available during March and will be circulated to Members.

7.0 RECOMMENDATIONS

7.1 That Members approve the Funding Strategy Statement (**Appendix 1**) referred to in **paragraph 5.1**.

7.3 That Members delegate responsibility for approving the schedule of contribution requirements to the Treasurer as described in **paragraph 4.8**.

GARY FIELDING
Treasurer
County Hall
Northallerton
10 February 2017

NORTH YORKSHIRE PENSION FUND (NYPF) 2016 Funding Strategy Statement (FSS)

This Statement has been prepared by North Yorkshire County Council (the Administering Authority) to set out the funding strategy for the North Yorkshire Pension Fund (the NYPF), in accordance with Regulation 58 of the Local Government Pension Scheme Regulations 2013 (as amended) and the 2016 guidance issued by the Chartered Institute of Public Finance and Accountancy (CIPFA) Pensions Panel.

1. INTRODUCTION

The Local Government Pension Scheme Regulations 2013 (as amended) (“the Regulations”) provide the statutory framework from which the Administering Authority is required to prepare a FSS. The key requirements for preparing the FSS can be summarised as follows:

- After consultation with all relevant interested parties involved with the Fund, the Administering Authority will prepare and publish their funding strategy.
- In preparing the FSS, the Administering Authority must have regard to :-
 - the guidance issued by CIPFA for this purpose; and
 - the Investment Strategy Statement (ISS) or the NYPF published under Regulation 7 of the Local Government Pension Scheme (Management and Investment of Funds) Regulations 2016 (as amended);
- The FSS must be revised and published whenever there is a material change in either the policy on the matters set out in the FSS or the ISS.

Benefits payable under the NYPF are guaranteed by statute and thereby the pensions promise is secure. The FSS addresses the issue of managing the need to fund those benefits over the long term, whilst at the same time, facilitating scrutiny and accountability through improved transparency and disclosure.

The Scheme is a defined benefit arrangement with principally final salary related benefits for contributing members up to 1 April 2014 and Career Averaged Revalued Earnings (“CARE”) benefits earned thereafter. There is also a “50:50 Scheme Option”, where members can elect to accrue 50% of the full scheme benefits and pay 50% of the normal member contribution rate.

The benefits provided by the NYPF are specified in the governing legislation (the Local Government Pension Scheme (Transitional Provisions, Savings and Amendment) Regulations 2014) and the Regulations referred to above. The required levels of employee contributions are also specified in the Regulations.

Employer contributions are determined in accordance with the Regulations which require that an actuarial valuation is completed every three years by the actuary, including a rates and adjustments certificate. Contributions to the NYPF should be set so as to “secure its

solvency" and to "ensure long-term cost efficiency", whilst the actuary must also have regard to the desirability of maintaining as nearly constant a primary rate of contribution as possible. The actuary must have regard to the FSS in carrying out the valuation.

2. PURPOSE OF THE FSS IN POLICY TERMS

Funding is the making of advance provision to meet the cost of accruing benefit promises. Decisions taken regarding the approach to funding will therefore determine the rate or pace at which this advance provision is made. Although the Regulations specify the fundamental principles on which funding contributions should be assessed, implementation of the funding strategy is the responsibility of the Administering Authority, acting on the professional advice provided by the actuary.

The purpose of this Funding Strategy Statement is:

- to establish a clear and transparent fund-specific strategy which will identify how employers' pension liabilities are best met going forward;
- to support the desirability of maintaining as nearly constant a primary contribution rate as possible;
- to ensure the regulatory requirements to set contributions so as to ensure the solvency and long-term cost-efficiency of the fund are met; and
- to take a prudent longer-term view of funding those liabilities.

The intention is for this strategy to be both cohesive and comprehensive for the NYPF as a whole, recognising that there will be conflicting objectives which need to be balanced and reconciled. Whilst the position of individual employers must be reflected in the statement, it must remain a single strategy for the Administering Authority to implement and maintain.

3. AIMS AND PURPOSE OF THE NYPF

The aims of the Fund are to:

- enable primary contribution rates to be kept as nearly constant as possible and (subject to the Administering Authority not taking undue risks) at reasonable cost to the taxpayers, scheduled, resolution and admitted bodies, whilst achieving and maintaining fund solvency and long-term cost efficiency, which should be assessed in light of the risk profile of the fund and employers, and the risk appetite of the Administering Authority and employers alike
- manage employers' liabilities effectively
- ensure that sufficient resources are available to meet all liabilities as they fall due, and
- seek returns on investments within reasonable risk parameters.

The purpose of the Fund is to:

- receive monies in respect of contributions, transfer values and investment income,
- and pay out monies in respect of scheme benefits, transfer values, costs, charges and expenses as defined in the Regulations and in the Local Government Pension Scheme (Management and Investment of Funds) Regulations 2016.

4. RESPONSIBILITIES OF THE KEY PARTIES

The Administering Authority should:

- operate a pension fund
- collect employer and employee contributions, investment income and other amounts due to the pension fund as stipulated in LGPS Regulations
- pay from the pension fund the relevant entitlements as stipulated in LGPS Regulations
- invest surplus monies in accordance with the Regulations
- ensure that cash is available to meet liabilities as and when they fall due
- manage the valuation process in consultation with the NYPF's actuary
- prepare and maintain an FSS and a ISS, both after proper consultation with interested parties, monitor all aspects of the NYPF's performance and funding and amend the FSS/ISS accordingly
- effectively manage any potential conflicts of interest arising from its dual role as both fund administrator and scheme employer
- enable the local pension board to review the valuation process as set out in their terms of reference.

The Individual Employer should:

- deduct contributions from employees' pay correctly after determining the appropriate employee contribution rate (in accordance with the Regulations)
- pay all contributions, including their own as determined by the actuary, promptly by the due date
- develop a policy on certain discretions and exercise those discretions as permitted within the regulatory framework
- make additional contributions in accordance with agreed arrangements in respect of, for example, augmentation of scheme benefits and early retirement strain notify the Administering Authority promptly of all changes to membership or, as may be proposed, which affect future funding
- pay any exit payments on ceasing participation in the NYPF

The Fund actuary should:

- prepare valuations including the setting of employers' contribution rates at a level to ensure fund solvency and long-term cost efficiency after agreeing assumptions with the Administering Authority and having regard to the FSS and the LGPS Regulations
- prepare advice and calculations in connection with bulk transfers and the funding aspects of individual benefit-related matters such as pension strain costs, ill health retirement costs, compensatory added years costs etc,
- provide advice and valuations on the exiting of employers from the NYPF
- provide advice to the Administering Authority on bonds or other forms of security against the financial effect on the fund of employer default
- assist the Administering Authority in assessing whether employer contributions need to be revised between valuations as permitted or required by the Regulations
- ensure that the Administering Authority is aware of any professional guidance or other professional requirements that may be of relevance to his or her role in advising the NYPF
- advise on funding strategy, the preparation of the FSS, and the inter-relationship between the FSS and the ISS.

5. SOLVENCY ISSUES AND TARGET FUNDING LEVELS

Funding Objective

To meet the requirements of the Regulations the Administering Authority's long term funding objective is for the Fund to achieve and then maintain sufficient assets to cover 100% of projected accrued liabilities (the "**funding target**") assessed on an ongoing past service basis including allowance for projected final pay in relation to pre-2014 benefits or where the underpin applies. In the long term, the employer rate would ultimately revert to the Primary Contribution Rate (also known as the Future Service Rate).

Determination of the Funding Target and Recovery Period

The principal method and assumptions to be used in the calculation of the funding target as at 31 March 2016 are set out in Appendix 1.

Underlying these assumptions are the following two tenets:

- that the Scheme is expected to continue for the foreseeable future; and
- favourable investment performance can play a valuable role in achieving adequate funding over the longer term.

This allows us to take a longer term view when assessing the contribution requirements for certain employers. As part of this valuation when looking to avoid material, and potentially unaffordable, increases in employer contribution requirements we will consider whether we can build into the funding plan the following:-

- stepping in of contribution rate changes for employers where the orphan funding target is being introduced (as defined later in this statement). For the 2016 valuation, the Administering Authority's default approach is to step contribution increases over a period of 3 years, although in certain circumstances a longer period may be considered, after consultation with the Actuary.
- a longer deficit recovery period than the average future working lifetime, particularly where there are a number of younger active members .

In considering this the Administering Authority, based on the advice of the Actuary, will consider if this results in a reasonable likelihood that the funding plan will be successful.

As part of each valuation separate employer contribution rates are assessed by the actuary for each participating employer or group of employers. These rates are assessed taking into account the experience and circumstances of each employer, following a principle of no cross-subsidy between the distinct employers in the Scheme.

In attributing the overall investment performance obtained on the assets of the Scheme to each employer a pro-rata principle is adopted. This approach is effectively one of applying a notional individual employer investment strategy identical to that adopted for the Scheme as a whole (except where an employer adopts a bespoke investment strategy – see below).

The Administering Authority, following consultation with the participating employers, has adopted the following objectives for setting the individual employer contribution rates arising from the 2016 actuarial valuation:

- A default recovery period of 18 years will apply.
- In addition, at the discretion of the Administering authority, a maximum deficit recovery period of 24 years will apply. Employers will have the freedom to adopt a recovery plan on the basis of a shorter period if they so wish. A shorter period may be applied in respect of particular employers where the Administering Authority considers this to be warranted (see Deficit Recovery Plan below).
- In the current circumstances, as a general rule, the Fund does not believe it appropriate for contribution reductions to apply compared to the 2013 funding plan where substantial deficits remain.
- For any open employers assessed to be in surplus, their individual contribution requirements will be adjusted at the 2016 valuation as follows:
 - Where the funding level is 100-110% employers will pay the future service rate only.
 - Where the funding level is over 110% the default approach for Scheduled Bodies and Admission Bodies with no subsumption commitment from a Scheduled Body in the Fund (as defined in Appendix 1) will be to remove any surplus in excess of 10% over a period of 6 years.
 - Where the funding level is over 110% the default approach for Admission Bodies with a subsumption commitment from a Scheduled Body in the Fund will be to remove any surplus in excess of 10% over the recovery period adopted by that Scheduled Body at the 2016 valuation.

- If surpluses are sufficiently large, contribution requirements will be set to a minimum nil total amount.
- The current level of contributions will be phased down as appropriate.

For the avoidance of doubt, for practical purposes where employers are in surplus and contributions are to be set below the cost of future accrual this will be implemented via a reduction in the percentage of pensionable pay rate rather than via a negative monetary amount.

For any closed employers assessed to be in surplus, the above approach will generally be followed but the Administering Authority will consider the specific circumstances of the employer in setting an appropriate period to remove the surplus.

The employer contributions will be expressed and certified as two separate elements:

- a percentage of pensionable payroll in respect of the future accrual of benefit
- a schedule of lump sum amounts over 2017/20 in respect of the past service deficit subject to the review from April 2020 based on the results of the 2019 actuarial valuation.

On the cessation of an employer's participation in the Scheme, the actuary will be asked to make a termination assessment. Any deficit in the Scheme in respect of the employer will be due to the Scheme as a termination contribution, unless it is agreed by the Administering Authority and the other parties involved that the assets and liabilities relating to the employer will transfer within the Scheme to another participating employer.

However, the Administering Authority has ultimate discretion where the particular circumstances of any given Employer warrant a variation from these objectives.

In determining the above objectives the Administering Authority has had regard to:

- the responses made to the consultation with employers on the FSS principles
- relevant guidance issued by the CIPFA Pensions Panel
- the need to balance a desire to attain the target as soon as possible against the short-term cash requirements which a shorter period would impose, and
- the Administering Authority's views on the strength of the participating employers' covenants in achieving the objective.

Deficit Recovery Plan

If the assets of the scheme relating to an employer are less than the funding target at the effective date of any actuarial valuation, a recovery plan will be put in place, which requires additional contributions from the employer to meet the shortfall.

Additional contributions will be expressed as annual monetary lump sums, subject to review based on the results of each actuarial valuation.

In determining the actual recovery period to apply for any particular employer to employer grouping, the Administering Authority may take into account some or all of the following factors:

- the size of the funding shortfall;
- the business plans of the employer;

- the assessment of the financial covenant of the Employer; and the security of future income streams
- any contingent security available to the Fund or offered by the Employer such as guarantor or bond arrangements, charge over assets, etc.
- length of expected period of participation in the Fund.

It is acknowledged by the Administering Authority that, whilst posing a relatively low risk to the Fund as a whole, a number of smaller employers may be faced with significant contribution increases that could seriously affect their ability to function in the future. The Administering Authority therefore, after specific agreement has been obtained by Fund Officers from the North Yorkshire Pension Fund Committee, would be willing to use its discretion to negotiate an **evidence based** affordable level of contributions for the organisation for the three years 2017/2020. Any application of this option is at the ultimate discretion of the Administering Authority and will only be considered after the provision of the appropriate evidence and on the basis that it is not inconsistent with the requirements to set employer contributions so as to ensure the solvency and long-term cost efficiency of the NYPF.

The Primary Contribution Rate (Future Service Contribution Rate)

In addition to any contributions required to rectify a shortfall of assets below the funding target, contributions will be required to meet the cost of future accrual of benefits for members after the valuation date (the “primary rate”). The method and assumptions for assessing these contributions are set out in Appendix 1.

6. LINK TO INVESTMENT POLICY SET OUT IN THE INVESTMENT STRATEGY STATEMENT

The results of the 2016 valuation show the liabilities at 31 March 2016 to be 88% covered by the current assets, with the funding deficit of 12% being covered by future deficit contributions.

In assessing the value of the NYPF’s liabilities in the valuation, allowance has been made for a long-term investment return assumption as set out below, taking into account the investment strategy adopted by the NYPF, as set out in the 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 expected future benefit payments and represents the least risk investment position. Such a portfolio would consist of a mixture of long-term index-linked and fixed interest gilts. Investment of the NYPF’s assets in line with the least risk portfolio would minimise fluctuations in the NYPF’s ongoing funding level between successive actuarial valuations.

Departure from a least risk investment strategy, in particular to include equity type investments, gives the prospect that out-performance by the assets will, over time, reduce the contribution requirements. The funding target might in practice therefore be achieved by a range of combinations of funding plan, investment strategy and investment performance.

The current benchmark investment strategy, as set out in the ISS, is:

| Asset Class (Summary) | % |
|------------------------------|------------|
| Equities | 50-75 |
| Bonds | 15-30 |
| Alternatives | 10-20 |
| TOTAL | 100 |

The funding strategy adopted for the 2016 valuation is based on an assumed long-term investment return assumption of 4.4% per annum. This is below the Administering Authority's view of the best estimate long-term return assumption of 6.4% as at the valuation date.

Bespoke Investment Strategy

The Investment Strategy adopted by NYPF is determined for the Fund as a whole. This Strategy takes into account the characteristics of NYPF as a whole, and therefore those of the constituent employers as an aggregated entity - it does not seek to distinguish between the individual liability profiles of different employers. The Strategy adopted to date, as reflected in the current ISS, is to invest a significant proportion of the assets in equities. Such investments offer a higher expected return, but also carry a higher level of risk.

NYPF is prepared to offer any employer the opportunity to adopt a Bespoke Investment Strategy (eg 100% bonds). However, to the extent that any Bespoke Investment Strategy will necessitate different investment return assumptions to those used by the Actuary for NYPF overall, there may be a consequential impact on the contribution rate calculated for that employer.

In addition, if an employer opts for a Bespoke Investment Strategy, NYPF reserves the right to determine the most appropriate way of arranging for the investment of the relevant share of the assets according to that Bespoke Strategy.

7. IDENTIFICATION OF RISKS AND COUNTER MEASURES

The funding of defined benefits is by its nature uncertain. Funding of the NYPF is based on both financial and demographic assumptions. These assumptions are specified in the Appendices and the actuarial valuation report. When actual experience is not in line with the assumptions adopted a surplus or shortfall will emerge at the next actuarial assessment and will require a subsequent contribution adjustment to bring the funding back into line with the target.

The Administering Authority has been advised by the actuary that the greatest risk to the NYPF's funding is the investment risk inherent in the predominantly equity (or return seeking) based strategy, so that actual asset performance between successive valuations could diverge significantly from the overall performance assumed in the long term.

The Administering Authority keeps, and regularly reviews, a risk register to identify and monitor the risks to the Fund and will, wherever possible, take appropriate action to limit the impact of these both before and after they emerge.

What are the Risks?

Whilst the activity of managing the Fund exposes the Administering Authority to a wide range of risks, those most likely to impact on the funding strategy are investment risk, liability risk, liquidity/maturity risk, regulatory/compliance risk, employer risk and governance risk.

Investment risk

The risk of investments not performing (income) or increasing in value (growth) as forecast. Examples of specific risks would be:

- assets not delivering the required return (for whatever reason, including manager underperformance)
- systemic risk with the possibility of interlinked and simultaneous financial market volatility
- insufficient funds to meet liabilities as they fall due
- inadequate, inappropriate or incomplete investment and actuarial advice is taken and acted upon
- counterparty failure

The specific risks associated with assets and asset classes are:

- equities – industry, country, size and stock risks
- fixed income - yield curve, credit risks, duration risks and market risks
- alternative assets – liquidity risks, property risk, alpha risk
- money market – credit risk and liquidity risk
- currency risk
- macroeconomic risks

The Fund mitigates these risks through diversification, permitting investment in a wide variety of markets and assets, and through the use of specialist managers with differing mandates.

Employer risk

Those risks that arise from the ever-changing mix of employers, from short-term and ceasing employers, and the potential for a shortfall in payments and/or orphaned liabilities.

The Administering Authority maintains a knowledge base on its employers, their basis of participation and their legal status (e.g. charities, companies limited by guarantee, group/subsidiary arrangements) and uses this information to inform the FSS.

The Administering Authority monitors the active membership of closed employers and considers what action to take when the number of active members falls below 10, such as commissioning a valuation under Regulation 64(4).

Liquidity/Maturity risk

This is the risk of a reduction in cash flows into the Fund, or an increase in cash flows out of the Fund, or both, which can be linked to changes in the membership and, in particular, a shift in the balance from contributing members to members drawing their pensions. Changes within the public sector and to the LGPS itself may affect the maturity profile of the LGPS and have potential cash flow implications. For example,

- The implications of budget cuts and headcount reductions could reduce the active (contributing) membership and increase the number of pensioners through early retirements;
- An increased emphasis on outsourcing and other alternative models for service delivery may result in falling active membership (e.g. where new admissions are closed),
- Public sector reorganisations may lead to a transfer of responsibility between different public sector bodies, (e.g. to bodies which do not participate in the LGPS),
- Scheme changes and higher member contributions in particular may lead to increased opt-outs;

The Administering Authority seeks to maintain regular contact with employers to mitigate against the risk of unexpected or unforeseen changes in maturity leading to cashflow or liquidity issues.

Liability risk

The main risks include inflation, life expectancy and other demographic changes, and interest rate and pay inflation, which will all impact upon future liabilities.

The Administering Authority will ensure that the Fund Actuary investigates these matters at each valuation and reports on developments. The Administering Authority will agree with the Fund Actuary any changes which are necessary to the assumptions underlying the measure of solvency to allow for observed or anticipated changes.

The Fund Actuary will also provide quarterly funding updates to assist the Administering Authority in its monitoring of the financial liability risks. The Administering Authority will, as far as practical, monitor changes in the age profile of the Fund membership early retirements, redundancies and ill health early retirements and, if any changes are considered to be material, ask the Fund Actuary to report on their effect on the funding position.

If significant liability changes become apparent between valuations, the Administering Authority will notify all participating employers of the anticipated impact on costs that will emerge at the next valuation and consider whether to require the review the bonds that are in place for Admission Bodies.

Regulatory and compliance risk

Regulatory risks to the scheme arise from changes to general and LGPS specific regulations, taxation, national changes to pension requirements, or employment law.

The Administering Authority keeps abreast of all the changes to the LGPS and will normally respond to consultations on matters which have an impact on the administration of the Fund.

8. MONITORING AND REVIEW

The Administering Authority has taken advice from the actuary in preparing this Statement, and has also consulted with employing organisations.

A full review of this Statement will occur no less frequently than every three years, to coincide with completion of a full actuarial valuation. Any review will take account of then current economic conditions and will also reflect any legislative changes.

The Administering Authority will monitor the progress of the funding strategy between full actuarial valuations. If considered appropriate, the funding strategy will be reviewed (other than as part of the triennial valuation process), for example:

- if there has been significant market volatility
- if there have been significant changes to the NYPF membership and/or maturity profile
- if there have been changes to the number, type or individual circumstances of any of the employing authorities to such an extent that they impact on the funding strategy e.g. closure to new entrants
- where employers wish to make additional (voluntary) contributions to the NYPF
- if there has been a material change in the affordability of contributions and/or employer financial covenant strength

**North Yorkshire County Council
as Administering Authority for the North Yorkshire Pension Fund**

ACTUARIAL VALUATION AS AT 31 MARCH 2016

Method and assumptions used in calculating the funding target

Risk Based Approach

The Administering Authority adopts a risk based approach to funding strategy. In particular the discount rate (for most employers) has been set on the basis of the assessed likelihood of meeting the funding objectives. The Administering Authority has considered 3 key decisions in setting the discount rate:

- the long-term Solvency Target (i.e. the funding objective - where the Administering Authority wants the Fund to get to);
- the Trajectory Period (how quickly the Administering Authority wants the Fund to get there), and
- the Probability of Funding Success (how likely the Administering Authority wants it to be now that the Fund will actually achieve the Solvency Target by the end of the Trajectory Period).

These three choices, supported by complex (stochastic) risk modelling carried out by the Fund Actuary, define the discount rate (investment return assumption) to be adopted and, by extension, the appropriate employer contributions payable. Together they measure the riskiness (and hence also the degree of prudence) of the funding strategy. These are considered in more detail below.

Solvency Target

The Administering Authority's primary aim is the long-term solvency of the Fund. Accordingly, employers' contributions will be set to ensure that 100% of the liabilities can be met over the long term using appropriate actuarial assumptions.

The Administering Authority believes that its funding strategy will ensure the solvency of the Fund because employers collectively have the financial capacity to increase employer contributions should future circumstances require, in order to continue to target a funding level of 100%.

For Scheduled Bodies and Admission Bodies where a Scheme Employer of sound covenant has agreed to subsume the Admission Body's assets and liabilities in the NYPF following its exit, appropriate actuarial methods and assumptions are taken to be:

- the Projected Unit method of valuation; and
- assumptions such that, if the Fund had reached the Solvency Target, its financial position continued to be assessed by use of such methods and assumptions, and contributions were paid in accordance with those methods and assumptions, there would be an 80% chance that the Fund would be at least 100% funded after a period of 25 years.

This then defines the Solvency Target.

For Admission Bodies and other bodies whose liabilities are expected to be orphaned following cessation, a more prudent approach will be taken. The Solvency Target will be set by considering the valuation basis which would be adopted should the body leave the Fund. For most such bodies, the Solvency Target will be set commensurate with assumed investment in an appropriate portfolio of Government index linked and fixed interest bonds after exit.

Probability of Funding Success

The Administering Authority considers funding success to have been achieved if the Fund, at the end of the Trajectory Period, has achieved the Solvency Target. The Probability of Funding Success is the assessed chance of this happening based on the level of contributions payable by members and employers and asset-liability modelling carried out by the Fund Actuary.

The discount rate, and hence the overall required level of employer contributions, has been set such that the Fund Actuary estimates there is a 75% chance that the Fund would reach or exceed its Solvency Target after 25 years.

Funding Target

The Funding Target is the amount of assets which the Fund needs to hold at the valuation date to pay the liabilities at that date as indicated by the chosen valuation method and assumptions and the valuation data. The valuation calculations, including the primary contribution rates and adjustment for the surplus or deficiency, set the level of contributions payable and dictate the chance of achieving the Solvency Target at the end of the Trajectory Period. The key assumptions used for assessing the Funding Target are summarised in Appendix 1.

Consistent with the aim of enabling the primary rate of employers' contribution rates to be kept as nearly constant as possible, contribution rates are set by use of the Projected Unit valuation method for most employers. The Projected Unit method is used in the actuarial valuation to determine the cost of benefits accruing to the Fund as a whole and for employers who continue to admit new members. This means that the contribution rate is derived as the cost of benefits accruing to employee members over the year following the valuation date expressed as a percentage of members' pensionable pay over that period. The future service rate will be stable if the profile of the membership (age, gender etc) is stable.

For employers who no longer admit new members, the Attained Age valuation method is normally used. This means that the contribution rate is derived as the average cost of benefits accruing to members over the period until they die, leave the Fund or retire. This approach should lead to more stable employer contribution rates than adoption of the Projected Unit method for closed employers.

Funding Targets and assumptions regarding future investment strategy

For Scheduled Bodies whose participation in the Fund is considered by the Administering Authority to be indefinite and Admission Bodies with a subsumption commitment from such Scheduled Bodies, the Administering Authority assumes indefinite investment in a broad range of assets of higher risk than risk free assets.

For other Scheduled Bodies the Administering Authority may without limitation, take into account the following factors when setting the funding target for such bodies:

- the type/group of the employer
- the business plans of the employer;
- an assessment of the financial covenant of the employer;
- any contingent security available to the Fund or offered by the employer such as a guarantor or bond arrangements, charge over assets, etc.

For Admission Bodies and other bodies whose liabilities are expected to be orphaned on exit (with the exception of the universities where a different approach will be adopted at the 2016 valuation as set out below), the Administering Authority will have regard to the potential for participation to cease (or for the body to have no contributing members), the potential timing of such exit, and any

likely change in notional or actual investment strategy as regards the assets held in respect of the body's liabilities at the date of exit (i.e. whether the liabilities will become 'orphaned' or a guarantor exists to subsume the notional assets and liabilities).

For the two universities that are Admission Bodies in the Fund where there is no subsumption commitment but which continue to admit new members to the Fund, the Administering Authority has considered these employers to be sufficiently financially secure to adopt the Scheduled Body / Subsumption funding target at the 2016 valuation of the Fund. In advance of the 2019 valuation the Administering Authority will consider whether this remains an appropriate funding target, or whether the orphan funding target, or another funding target, which reflects the circumstances at eventual exit of these employers from the Fund, would be more appropriate. Notwithstanding the adoption of the Subsumption funding target at the 2016 valuation, if either of these employers were to exit the Fund the funding target on exit would be the least risk funding target as described in the Admissions and Terminations Funding Policy.

The Fund is deemed to be fully funded when the assets are equal to or greater than 100% of the Funding Target, where the funding target is assessed based on the sum of the appropriate funding targets across all the employers/groups of employers.

Financial assumptions

Investment return (discount rate)

The discount rate for the 2016 valuation is 4.4% p.a. with the exception of Admission Bodies which will ultimately give rise to orphan liabilities where the discount rate is:

- 4.1% in service (equivalent to the yield on long-dated fixed interest gilts at a duration appropriate for the Fund's liabilities plus an asset out-performance assumption of 2% p.a.) and
- 2.5% left service, (which is intended to be equivalent to the yield on long-dated fixed interest gilts at the valuation date but which has, in the interests of affordability and stability of employer contributions, been increased by 0.4% p.a. to take account of expected increases in gilt yields after the valuation date).

The gilt yield referred to is based on the Bank of England Bond Curve as at the valuation date.

Inflation (Consumer Prices Index)

The CPI inflation assumption is taken to be the long-term (30 year) Capital Market Assumption at the valuation date as produced by Aon Hewitt Limited. In formulating the Capital Market Assumption, both consensus forecasts and the inflation risk premium are considered.

Salary increases

The assumption for real salary increases (salary increases in excess of price inflation) in the long term will be determined by an allowance of 1.25% p.a. over the inflation assumption as described above plus an allowance for promotional increases.

Pension increases/Indexation of CARE benefits

Increases to pensions are assumed to be in line with the inflation (CPI) assumption described above. This is modified appropriately to reflect any benefits which are not fully indexed in line with the RPI (e.g. Guaranteed Minimum Pensions in respect of service prior to April 1997).

Demographic assumptions

Post-retirement Mortality

Base Rates

Normal Health: Standard SAPS S2P tables, year of birth base rates, adjusted by a scaling factor.
Ill-health: Standard SAPS S2 Ill-health tables, year of birth base rates adjusted by a scaling factor.

Scaling Factors

Rates adjusted by scaling factors as dictated by Fund experience

| | |
|-------------------------|------|
| Males (normal health) | 100% |
| Females (normal health) | 85% |
| Males (ill-health) | 100% |
| Females (ill-health) | 130% |

Future improvement to base rates

An allowance for improvements in line with the CMI 2014, for men or women as appropriate, with a long term rate of improvement of 1.50% p.a.

Pre-retirement mortality

Males: As for normal health retirements but with a 70% scaling factor
Females: As for normal health retirements but with a 40% scaling factor

Early retirements

Active members and Deferred members who left before 1 April 2016 who are protected in respect of their Rule of 85 Age following the benefit changes introduced in 2008 (i.e. those members who joined the Fund before 1 October 2006 and who would be aged over 60 on 31 March 2016) will be assumed to retire at the Rule of 85 Age or age 60 if higher with no reduction to accrued benefits.

Active members who joined the LGPS after 31 March 2014 are assumed to retire at their normal retirement age (which is aligned with state pension age).

All other active and deferred members are assumed to retire at age 65.

Withdrawals

Allowance is made for withdrawals from service. On withdrawal, members are assumed to leave a deferred pension in the Fund and are not assumed to exercise their option to take a transfer value.

Retirement due to ill health

Allowance is made for retirements due to ill health. Proportions assumed to fall into the different benefit tiers applicable after 1 April 2008 are:

| | |
|----------------------|-----|
| Tier 1 (upper tier) | 90% |
| Tier 2 (middle tier) | 5% |
| Tier 3 (lower tier) | 5% |

Family details

A man is assumed to be 3 years older than his spouse, civil partner or cohabitee. A woman is assumed to be 3 years younger than her spouse, civil partner or cohabitee.

75% of non-pensioners are assumed to be married / cohabitating at retirement or earlier death.
75% of pensioners are assumed to be married / cohabitating at age 65.

Commutation

Each member is assumed to take cash such that the total cash received (including statutory 3N/80 lump sum) is 75% of the permitted maximum amount permitted of their past service pension entitlements.

Take up of 50/50 scheme

All members are assumed to remain in the scheme they are in at the date of the valuation.

Promotional salary increases

Allowance is made for age-related promotional increases.

Expenses

0.4% of Pensionable Pay added to the cost of future benefit accrual.

Summary of key whole Fund assumptions used for calculating funding target and cost of future accrual (the “primary contribution rate”) for the 2016 actuarial valuation

| | |
|--|------------|
| Investment return / Discount Rate (scheduled bodies and admission bodies with a subsumption commitment from a scheduled body) | 4.4% p.a. |
| Investment Return / Discount Rate for orphan bodies | 4.1% p.a. |
| In service | |
| Left service | 2.5% p.a. |
| CPI price inflation | 2.0% p.a. |
| Long Term Salary increases | 3.25% p.a. |
| Pension increases/indexation of CARE benefits | 2.0 p.a. |



Actuarial valuation as at 31 March 2016

North Yorkshire Pension

| | |
|--------------|---|
| Prepared for | North Yorkshire County Council, in its role as the Administering Authority of the North Yorkshire Pension Fund |
| Prepared by | Alison Murray FFA Scott Campbell FIA |
| Date | 31 March 2017 |

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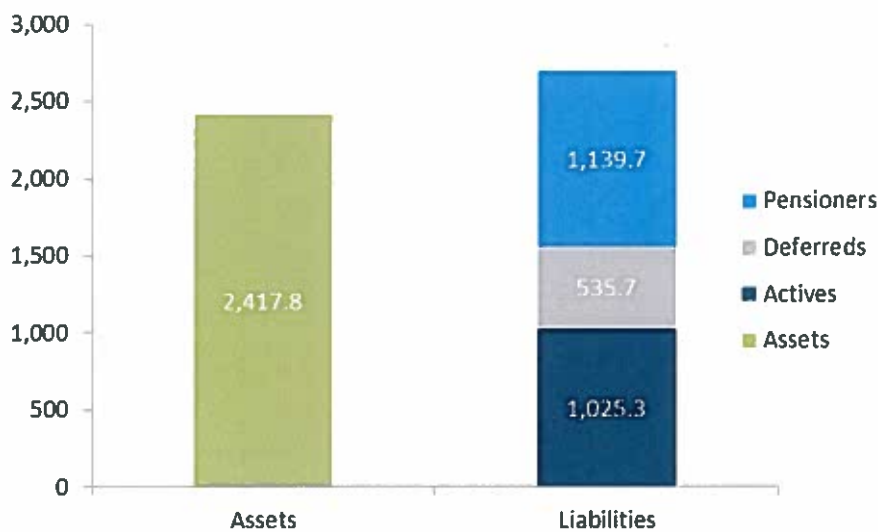
No decisions should be taken on the basis of this report by any party other than our client, North Yorkshire County Council, and nothing in this report removes the need for readers to take proper advice in relation to their specific circumstances.

Executive Summary

The key results of the valuation as at 31 March 2016 are set out below.

There was a shortfall of £282.9M relative to the past service liabilities of £2,700.7M which corresponded to a funding ratio of 90%.

The past service liabilities is the amount of assets agreed with the Administering Authority as being required to meet members' benefits, assuming the Fund continues as a going concern.



The aggregate Employer future service contribution rate (the primary contribution rate, a weighted average of all Employers' primary rates) is 17.8% of Pensionable Pay.

The aggregate Employer total contribution rate (primary plus secondary) required to restore the funding ratio to 100% using a recovery period of 24 years from 1 April 2017 is 20.9% of Pensionable Pay (if the membership remains broadly stable and pay increases are in line with our assumptions). The comparable figure at the previous valuation was 21.1% of Pensionable Pay using a recovery period of 27 years from 1 April 2014.

The contributions payable by each Employer or group of Employers may differ because they allow for each Employer's or group's particular membership profile and funding ratio, and assumptions and recovery periods appropriate to their circumstances.

Actuarial valuation as at 31 March 2016

North Yorkshire Pension Fund

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Introduction

This report has been prepared for the Administering Authority. It sets out the results and conclusions of the funding valuation of the North Yorkshire Pension Fund as at 31 March 2016.

This is our actuarial valuation report. It draws together other pieces of work and advice from throughout the valuation process. Appendix 1 sets out the legal framework within which the valuation has been completed.

Throughout this report, assets and liabilities in respect of defined contribution additional voluntary contributions (or AVCs) have been excluded.

Some shorthand used in this report is explained opposite. Some technical pensions terms are explained in the Glossary.

Shorthand

Fund

North Yorkshire Pension Fund

Administering Authority

North Yorkshire County Council, in its role as the Administering Authority of the Fund

Employers

North Yorkshire County Council, and other employers with employees participating in the Fund

Regulations

The Local Government Pension Scheme Regulations 2013 (and other Regulations as referenced in the Glossary)

Pensionable Pay

As defined in the Regulations in relation to post-2014 membership

Pensionable Service

Periods of membership, as defined in the Regulations

Snapshot view

The report concentrates on the Fund's financial position at the valuation date. As time moves on, the Fund's finances will fluctuate. If you are reading this report some time after the valuation date, the Fund's financial position could have changed significantly.

Update since the previous valuation

The key results from the previous valuation as at 31 March 2013 were:

The Fund's assets were £1,841M and the past service liabilities were £2,509M, which corresponded to a shortfall of £668M and a funding ratio of 73%.

The aggregate Employer future service contribution rate was 13.8% of Pensionable Pay.

The Administering Authority agreed Employer contributions from 1 April 2014 over a range of recovery periods designed to restore the funding ratio to 100% over a period not exceeding 27 years. In some cases allowance was made for the improvement in the funding position after the valuation date.

Total employer contributions were certified as follows:

| Year from 1 April | % of Pensionable Pay | Aggregate contribution amounts (£M) |
|-------------------|----------------------|-------------------------------------|
| 2014 | 14.2 | 26.1 |
| 2015 | 14.2 | 27.2 |
| 2016 | 14.2 | 28.3 |

The amount payable over 2016/17 was scheduled to increase on 1 April 2017 and each 1 April thereafter by approximately 4.1% a year.

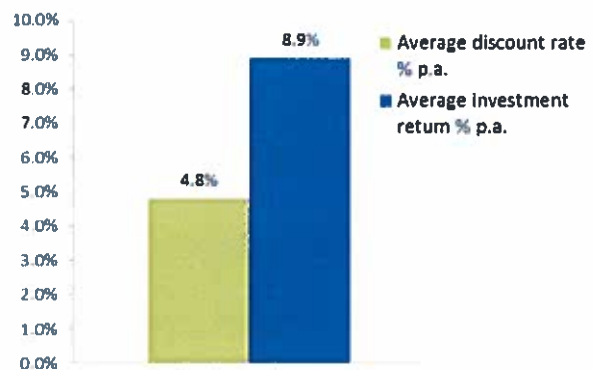
In addition the Employers paid contributions in respect of any additional strains arising on early retirement or due to increases in benefits. Members also paid contributions required by the Regulations.

Financial development

To illustrate the Fund's financial development since the previous valuation, we compare below key financial assumptions made at the previous valuation with what actually happened.

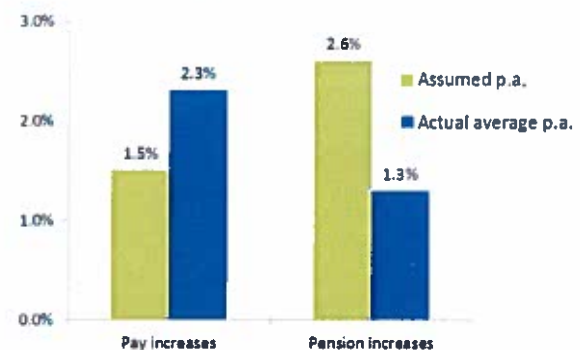
Investment return (or discount rate)

The net investment return has been higher than the average discount rate assumed.



Inflationary pay and pension increases

Increases to pay were higher than assumed, and increases to pensions in payment were on average lower than assumed.



Where material we show the financial impact of the above developments later in this report.

Other key developments since the previous valuation

As well as the contributions paid to the Fund since the previous valuation and the returns achieved on the Fund's assets, there have been the following material developments since the previous valuation date:

■ 2014 Scheme

A new benefit structure was introduced for Pensionable Service from 1 April 2014. The key features are:

- Career average structure
- Accrual rate of 49ths
- Pensions revalued by CPI before retirement
- Normal Pension Age linked to State Pension Age
- Changes to member contribution rates
- Member contribution rates based on actual (previously full time equivalent) pay
- Introduction of a 50:50 option, with member contribution rate and pension accrual rate both half rate
- An underpin to pensions for members within 10 years of age 65 in April 2012.

Benefits for Pensionable Service before 1 April 2014 are protected, and calculated by reference to retirement ages in force before the 2014 Scheme was introduced. The link to final pay, (where pay is calculated using the 2008 Scheme definition), for pre 2014 benefits remains for active members.

Our understanding is that the introduction of the 2014 Scheme was reflected in the 2013 valuation carried out by Mercer, the previous Fund Actuary.

■ Auto-enrolment

Between 2012 and 2018 all UK employers will have a duty to commence automatically enrolling employees who satisfy certain criteria into the National Employment Savings Trust (NEST) or, if it satisfies certain requirements, their own pension scheme. The "staging date", from which the auto-enrolment duty applies, varies between individual employers. Over the period since the previous valuation, a number of the

Fund's employers have been impacted and this has led to an increase in new members joining the Fund

■ Probation transfer

Since the last valuation, all assets and liabilities held by the Fund in relation to York and North Yorkshire Probation Trust have been transferred to the Greater Manchester Pension Fund.

■ Indexation of GMPs

On 6 April 2016 the Government introduced the new State Pension. A consequence of the legislation was that the mechanism which previously provided fully indexed pension payments to public servants ceased to apply in relation to the GMP element of pension.

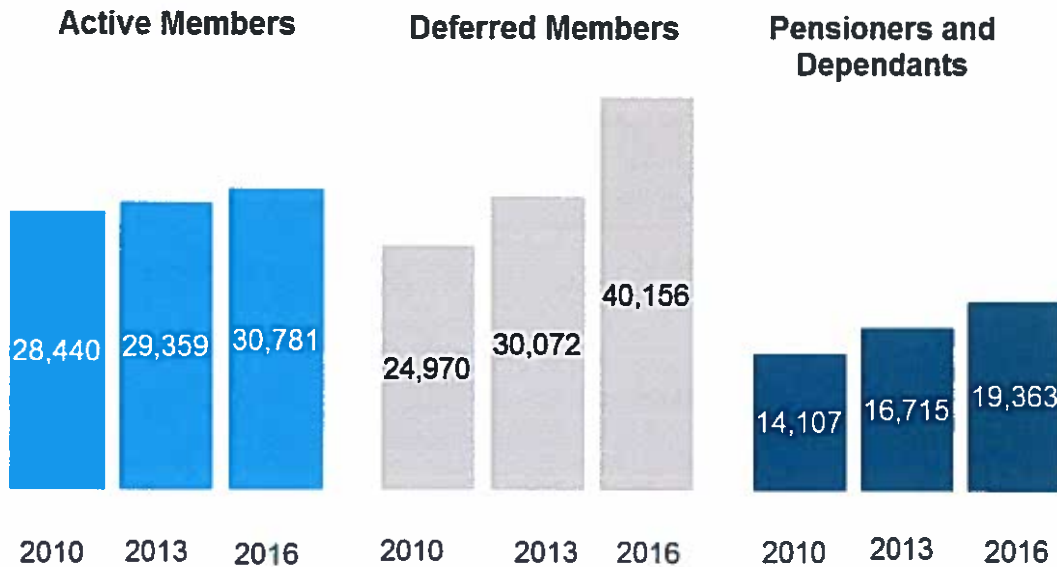
On 1 March 2016 HM Treasury announced an interim solution to the indexation of GMPs in public service pension schemes, including the Local Government Pension Scheme. The implications of this are that the Fund became responsible for paying full pension increases on the GMP for members who reach their State Pension Age between 6 April 2016 and 5 December 2018 inclusive. The results of this valuation allow for this change.

Membership data

This valuation is based on membership data as at 31 March 2016 supplied to us by the Administering Authority.

A summary of the membership data is included in Appendix 2.

The chart below shows how the membership profile of the Fund has changed over the last three valuations. During this period, the proportion of non-active members has increased from 58% of the Fund's membership at 31 March 2010 to 66% at 31 March 2016.



Notes:

- The deferred membership numbers above includes members who had yet to decide whether to take a refund of contributions
- Pensioners and dependants exclude children

We have carried out some general checks to satisfy ourselves that:

- The information used for this valuation is broadly consistent compared with the information used for the previous valuation and also with that shown in the Fund's Annual Report and Accounts.
- The numbers of members included in this valuation can be reconciled against those included in the previous valuation.

However, the results in this report rely entirely on the accuracy of the information supplied. The Administering Authority should notify us if the data we have used is incomplete or inaccurate.

Benefits valued

Members are entitled to benefits defined in the Regulations. Different benefits apply to Pensionable Service before 1 April 2008, between 1 April 2008 and 31 March 2014, and after 31 March 2014. A summary of the benefits valued is given in Appendix 3.

Discretionary benefits

Employers have discretion over payment of certain benefits and it is not practical to allow for the policies of each Employer. Most discretionary benefits are financed as they occur, so the financial impact on this valuation is minimal. No specific allowance has therefore been made for benefits which are granted at the discretion of the Employer.

State Pension Age changes

Normal Pension Age for Pensionable Service on or after 1 April 2014 is State Pension Age (SPA), or, if higher, age 65. SPA is currently transitioning from age 65 (60 for women) to age 68 by 2046.

On 1 March 2016 the Department for Work and Pensions published the Terms of Reference for a review of SPA. It has subsequently published two reports that will help inform its review. However, as the outcome of the review is not yet known, no allowance has been made within the valuation for any changes in SPA beyond those which have already been announced.

Local Government Pension Scheme Regulations and the cost management mechanism

Our valuation reflects our understanding of the Regulations in force at the valuation date. Any future changes may affect the conclusions in this report.

We have made no allowance in this valuation for any future potential changes to member contributions or benefits resulting from the cost management mechanism under the Regulations. The first valuation for the purposes of calculating the Scheme cost under the cost

management process will be carried out by the Government Actuary's Department as at 1 April 2016, but any changes to members' contributions or benefits that may arise will not be known for some time and we do not expect any changes to be implemented before 1 April 2019.

GMP equalisation and indexation

On 28 November 2016 HM Treasury commenced a consultation process on the indexation and equalisation of GMP in public service pension schemes. The outcome of this consultation process is unknown and so this valuation does not allow for any funding of full indexation or equalisation of GMPs beyond those already announced. The results of this valuation do allow for the changes which have already been implemented to the indexation of GMPs for members who reach their State Pension Age between 6 April 2016 and 5 December 2018 inclusive.

Inflation measure

The Consumer Prices Index (CPI) is currently used to index pensions in payment and deferment, and to revalue members' CARE accounts for service after 31 March 2014.

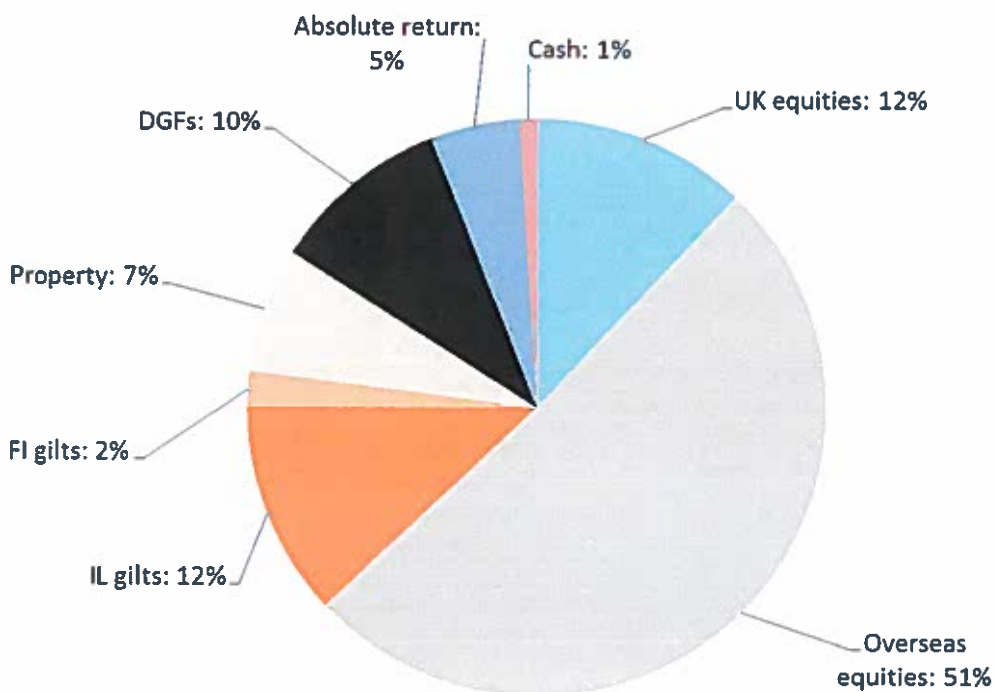
In November 2016 the Office for National Statistics announced that a different index "CPIH" which also makes allowance for owner-occupier housing costs, is to be its preferred inflation measure in future.

The Government has not yet announced whether CPIH will replace CPI as the measure for indexing public service pensions. This valuation therefore continues to make allowance for indexation and revaluation to be based on CPI.

Asset data

The audited accounts for the Fund for the year ended 31 March 2016 show the value of the assets to be £2,417.8M at the valuation date.

The assets of £2,417.8M were invested as follows:



This summary excludes assets for defined contribution AVC accounts.

The Investment Strategy Statement describes the Fund's investment strategy as follows:

- The investment objective of the Fund is to provide for sufficient capital growth of the Fund's assets in a range of market conditions, supplemented by employee and employer contribution income, to meet the cost of benefits as they fall due. It is translated into a suitable strategic asset allocation benchmark designed to address the nature of the Fund's liabilities, and deliver returns over the long term including through periods of volatility in financial markets.

Funding objective

Terminology

Past service liabilities

This is the present value of the benefits to which members are entitled based on benefits accrued to the valuation date, assessed using the assumptions agreed between a Fund's Administering Authority and the Fund Actuary.

Funding objective

To hold sufficient and appropriate assets to meet the past service liabilities.

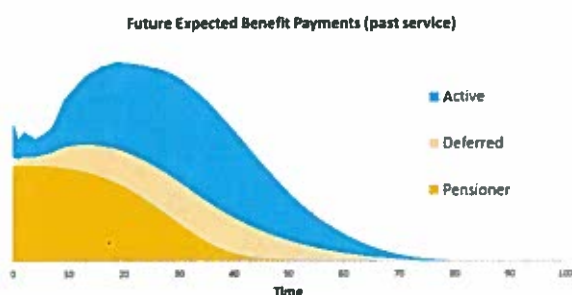
Funding strategy statement

Sets out the Administering Authority's strategy for meeting the funding objective

The Administering Authority's funding objective is to hold assets which are at least equal to the past service liabilities i.e. to meet the funding objective.

In order to calculate the past service liabilities and the cost to the Employers of future benefit accrual, the benefits paid out by the Fund are estimated for each year into the future. The estimated benefit payments are then 'discounted back' to the valuation date using an agreed rate of interest known as the discount rate.

The benefit payments from the Fund are expected to be made for a very long period – the chart below shows the cashflow pattern for the current membership of a typical LGPS fund (based on past service benefits). Some cashflows will be fixed but others will be linked to future levels of salary growth and inflation.



Source: 2016 valuation for a "typical" LGPS fund

The discount rate

The Funding Strategy Statement describes the risk based approach used to set the funding strategy and hence the discount rate. Under this risk based approach:

- The discount rate for the secure long term scheduled bodies assumes indefinite future investment in assets similar to the Fund's holdings at the valuation date (allowing for any known or planned changes to the long term investment strategy as appropriate).
- For orphan bodies, the discount rate has regard to the possibility that participation might cease at any time and anticipates a move to a low risk investment portfolio made up of long dated Government bonds (of appropriate nature and term) at cessation.
- For subsumption bodies, where a long term scheduled body has agreed to subsume the liabilities of an admission body or other employer on exit, we have agreed with the Administering Authority to use the scheduled body discount rate for that employer.
- This valuation has been undertaken on a prudent basis. Prudence is achieved through the use of discount rates (expected return assumptions) which have a better than evens chance of being achieved by the Fund's assets. Information on the level of prudence (or risk) in the funding strategy is contained in the Fund's Funding Strategy Statement.

An explanation of scheduled bodies, orphan bodies and subsumption bodies is given in the Glossary.

Summary of method and assumptions

The Administering Authority agreed the assumptions used to calculate the past service liabilities and the cost of future benefit accrual. The table below summarises the key assumptions, together with those used for the previous valuation, and the reasons for any change. Further details of all of the assumptions are set out in Appendix 5.

| Assumption | This valuation | Previous valuation | Rationale for change |
|---|--------------------------|--------------------------|--|
| Scheduled and subsumption body funding target (past service/future service) | 4.4% pa / 4.4% pa | 4.8% pa / 5.6% pa | <p>Updated to reflect</p> <ul style="list-style-type: none"> ▪ the Administering Authority's adoption of a risk-based approach and allowing for the outlook for the Fund's actual asset holdings as at 31 March 2016; and ▪ use of the same assumptions for past and future service |
| Ongoing orphan body funding target | | | <p>Introduced to reflect use of a gilts-based exit valuation for employers exiting the Fund leaving orphan liabilities.</p> <p>The in-service discount rate allows for some out-performance of the Fund's assets relative to the yield on long-dated gilts.</p> <p>The left-service discount rate reflects our view of the possible future increase in gilt yields over a five year period so is above the prevailing gilt yields on the valuation date.</p> |
| In-service discount rate | 4.1% pa | N/A | |
| Left-service discount rate | 2.5% pa | N/A | |
| Rate of revaluation of pension accounts | 2.0% pa | 2.6% pa | Updated to reflect the outlook for CPI inflation at 31 March 2016. |
| Pension increases (on pension in excess of GMPs) | 2.0% pa | 2.6% pa | Updated to reflect the outlook for CPI inflation at 31 March 2016. |

| Assumption | This valuation | Previous valuation | Rationale for change |
|--|--|---|--|
| Pensionable Pay Increases | 3.25% pa | 4.1% pa with short term allowance for 1.0% pa for first 2 years and 2.6% pa for next 3 years | Updated to reflect financial expectations at 31 March 2016. |
| Post-retirement mortality assumption – base table | Standard SAPS S2P tables with scaling factors of: Men: 100% Women: 85% | Standard SAPS S1P tables with scaling factors of: Men: 97% Women: 96% | Updated to reflect recent research and the Fund's pensioner mortality experience since the last valuation. |
| Post-retirement mortality assumption – future improvements | CMI 2014 core projections with long-term improvement rate of 1.5% pa | CMI 2012 core projections with long-term improvement rate of 1.5% pa | Updated to reflect more recent CMI publications and our view of best estimate improvements |

We show below the assumed life expectancies for current members resulting from these mortality assumptions:

| Assumed Life expectancy at age 65 | Member currently aged 65 | | Member currently aged 45 | |
|-----------------------------------|--------------------------|--------------------|--------------------------|--------------------|
| | This valuation | Previous valuation | This valuation | Previous valuation |
| Men | 22.7 | 22.9 | 24.9 | 25.1 |
| Women | 26.2 | 25.4 | 28.5 | 27.7 |

In our view these assumptions are appropriate for the purposes of the valuation, and setting Employer contributions to the Fund.

As for the previous valuation, the past service liabilities have been calculated using the projected unit method. This method, with a one year control period, has also been used to calculate the cost of future benefits building up for most Employers. The attained age method has been used for some Employers who do not admit new employees to the Fund.

For orphaned liabilities i.e. liabilities in respect of former employers where there is no future funding from those employers, the discount rate used is a "low risk" discount rate, derived as the yield on long term UK government bonds, with no allowance for outperformance of the Fund's assets above that yield. This discount rate was 2.1% p.a. as at 31 March 2016.

Shared risks

Funding gains or losses arising from the following risks are pooled across all Employers in the Fund:

| Risk | Method |
|------------------------------|---|
| Cash sum on death in service | Shared in proportion to the payroll of active members |

Past service results

A comparison of the Fund's past service liabilities with the value of assets held by the Fund is shown below. The past service liabilities have been calculated using the assumptions described in the previous section.

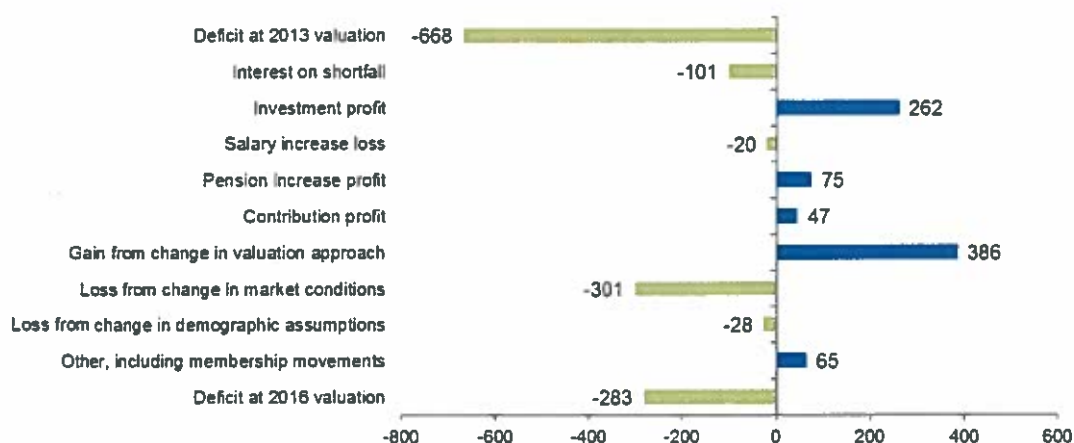
| | £M |
|------------------------------------|---------|
| Value of past service benefits for | |
| Actives | 1,025.3 |
| Deferred members | 535.7 |
| Pensioners | 1,139.7 |
| Total past service liabilities | 2,700.7 |
| Value of assets | 2,417.8 |
| Past service surplus / (shortfall) | (282.9) |
| Funding ratio | 90% |

Employers will need to pay additional contributions to remove this shortfall. This is considered later.

Reasons for change in past service position

At the previous valuation the Fund had a shortfall of £668M. The funding position has therefore improved by £385M over the period.

The chart below shows the key reasons for the change in funding position.



As the chart shows, the main factors which have led to an improvement in the funding position are:

- Investment returns above the discount rate adopted at the 2013 valuation
- Changes to the Funding Strategy / valuation approach
- Pension increases below the assumption made at the 2013 valuation
- Contributions paid by employers towards paying off the deficit disclosed at the 2013 valuation

These have been partially offset by the following main factors which on their own have led to a worsening of the funding position:

- The change in the financial market conditions
- Changes to the demographic assumptions

Addressing the shortfall

Employers will need to pay additional contributions to remove the shortfall.

We have agreed with the Administering Authority a recovery plan such that the shortfall will be removed by payment of additional contributions by the Employers over a range of different recovery periods not exceeding 24 years.

The assumptions used to calculate the recovery plan are the same as those used to calculate the past service liabilities.

Across the Fund as a whole, the contributions required to remove the shortfall using a recovery period of 24 years from 1 April 2017 would be £13.6M pa increasing at 3.25% pa. This is equivalent to approximately 3.1% pa of Pensionable Pay assuming the membership remains broadly stable and pay increases follow our assumptions.

In practice, different recovery periods apply to individual Employers or groups of Employers in the Fund. The actual contributions to be paid by each Employer or group are set out in the Rates and Adjustments Certificate and reflect each Employer's specific recovery period and funding position.

For some Employers, contribution increases will be phased in over a number of years (or 'steps') as permitted by the Funding Strategy Statement.

Terminology

Recovery plan

A plan for making good any shortfall relative to the past service liabilities.

Recovery period

The period for which contributions are adjusted to remove the shortfall (or surplus).

Shortfall contributions

The additional contributions to remove the shortfall by the end of the recovery period.

Cost to the Employers of future benefits

The table below shows the aggregate calculated cost to Employers at the valuation date of benefits that members will earn in future (the aggregate primary contribution rate). Contributions at the aggregate primary rate would be appropriate if the Fund had no surplus or shortfall.

These rates have been calculated using the same assumptions as used to calculate the past service liabilities.

| | % of Pensionable Pay |
|--|----------------------|
| Value of benefits building up | 23.4 |
| Death in service cash sum | 0.3 |
| Administration expenses | 0.4 |
| Less member contributions | (6.3) |
| Net cost to the Employers (primary contribution rate) | 17.8 |

The aggregate Employer future service contribution rate (the weighted average, by payroll, of the individual employers' primary rates) is 17.8% of Pensionable Pay.

Employers will also pay additional contributions to remove the shortfall for past service liabilities, or, where individual employers are in surplus, pay lower contributions to reflect this surplus.

The cost of future benefits has increased significantly since the previous valuation. The main reasons for this are:

- Changes to the Funding Strategy (adopting the same discount rate for past and future service, leading to a lower discount rate relative to inflation at this valuation)
- Changes to the demographic assumptions

These have been slightly offset by the following factor which on its own has reduced the cost of future benefits:

- Changes in the active membership since the last valuation

Risks and uncertainties

The Fund faces a number of key risks which could affect its funding position.

These risks include:

- **Funding risk** – the risk that the value placed on the past service liabilities is set too low and contributions paid into the Fund prove insufficient to meet the payments as they fall due.
- **Employer risk** – the risk that an Employer is no longer able to meet its liabilities in the Fund. For example, due to the insolvency of an Employer.
- **Investment risks** – the risk that investment returns are lower than allowed for in the valuation, and also that the assets are volatile and move out of line with the liabilities, so the funding position is not stable.
- **Longevity risk** – the risk that Fund members live for longer than expected and that pensions would therefore need to be paid for longer resulting in a higher cost for the Fund.
- **Inflation risk** – the risk that inflation is higher than expected, resulting in higher pension increases (and payments to pensioners) than allowed for in the valuation.
- **Options for members (or other parties)** – the risk that members exercise options resulting in unanticipated extra costs. For example, members could exchange less of their pension for a cash lump sum than allowed for in the valuation.
- **Legislative/Regulatory risk** – the risk that changes to general and LGPS specific regulations, taxation, national changes to pension requirements, or employment law result in an increased cost of administration, investment or funding for benefits.

To quantify some of these risks, the chart on the following page shows the approximate impact of the following one-off step changes on the Fund's funding position (all other elements of the valuation basis being unchanged):

- Life expectancy at age 65 is two years longer than anticipated (with corresponding increases at other ages).
- A 1% pa fall in long term expected investment returns (the discount rate) with no change in asset values.
A 1% p.a. increase in expected price inflation (measured by CPI), with no change in asset values.
- A 25% fall in the market value of equities (with no change in bond markets, and no change in the discount rate).
- A 1% p.a. increase in expected real Pensionable Pay increases.

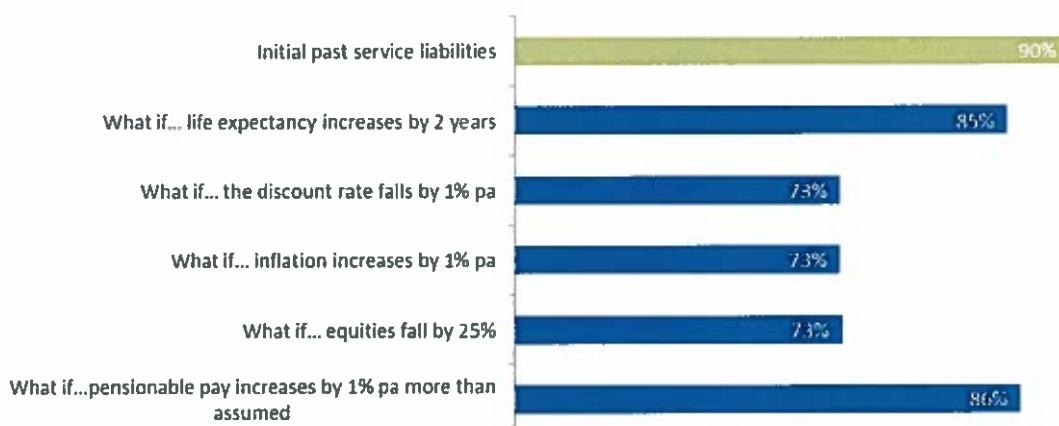
In practice, some of these changes may be partially offset by other changes in the values of the assets or the liabilities. For example, a reduction in the expected investment return or inflation might lead to a compensating change in asset values, or a change in asset values might lead to a compensating change in expected investment returns.

These potential effects are not shown in the chart on the next page.

Further information on the risks and actions taken by the Fund to mitigate them can be found in the Fund's Funding Strategy Statement.

Risks and uncertainties

The chart below shows the approximate impact on the funding ratio of the Fund under a number of different scenarios.



The analysis demonstrates that on the approach used the Fund is susceptible to:

- Falls in expected investment returns (the discount rate) to the extent not matched by higher asset values
- Falls in the market value of equities to the extent not offset by higher expected future returns
- Rising inflation and pay increase expectations
- Members living longer than expected

The scenarios considered are not 'worst case' scenarios, and could occur in combination (rather than in isolation).

The future service contribution rate (primary contribution rate) is also highly sensitive to a number of the above factors: falls in expected investment returns, rising inflation expectations and increases in life expectancy.

All the risks considered have a negative impact on the funding ratio. Opposite movements could also apply for each scenario which would result in an increase in the funding ratio.

Individual Employer contribution rates

Employers, or groups of Employers, are set their own contribution rate which reflects their specific circumstances.

The Employer contribution rates are set by the Fund Actuary taking into account a number of factors including:

- Regulation 62 – which requires the Actuary to have regard to
 - The existing and prospective liabilities
 - The desirability of maintaining as nearly a constant a primary contribution rate as possible
 - The Administering Authority's Funding Strategy Statement, and
 - The requirement to secure the solvency of the Fund and the long-term cost efficiency of the Scheme, so far as relating to the Fund.
- The results of the valuation.
- Developments since the valuation date, including any one-off contributions paid as documented in Appendix 7.
- Discussions between the Fund Actuary, the Administering Authority and Employers.

Contribution rates for Employers which contribute to the Fund are set out in the Rates and Adjustments Certificate in Appendix 8.

Rates of contribution payable by individual Employers, or groups of Employers, differ because they take into account Employers' particular membership profiles and funding ratios and, in some cases, the assumptions and recovery periods are specific to the Employer's circumstances. We have agreed with the Administering Authority that increases in contribution rates for some Employers can be phased as set out in the Funding Strategy Statement.

For certain Employers who are in surplus, it has been agreed with the Administering Authority that the Employer can use some of the surplus to support the payment of contributions to the Fund at a rate below the future service contribution rate.

The contributions payable by individual Employers are set out in Appendix 8.

The aggregate Employer contributions certified for the 3 years from 1 April 2017 can be summarised as follows:

| Year from 1 April | % of Pensionable Pay | Aggregate contribution amount (£M) |
|-------------------|----------------------|------------------------------------|
| 2017 | 17.3% | 17.2 |
| 2018 | 17.3% | 17.4 |
| 2019 | 17.3% | 15.8 |

- The annual contribution amounts above are the aggregate of the additional contribution amounts certified for individual Employers in each year.
- Payments to meet additional costs arising from early retirements and other increases in benefits are payable in addition.
- At the end of the period shown above, the annual contribution amounts for each employer or group are anticipated to increase by approximately 3.25% pa until the end of the relevant recovery period. Thereafter, aggregate contributions are anticipated to be in line with the future service contribution rate of that employer. These contributions will be subject to review at future actuarial valuations.
- Member contributions are payable in addition to the Employers' contribution rates set out above and in Appendix 8. The member contributions are set out in the Regulations. AVCs may be payable in addition.

Individual Employer contribution rates cont.

Terminology

Rates and Adjustments Certificate

Specifies the contributions payable by the Employers until March 2020.

- Contributions by active members and Employers should be paid to the Fund at such time and at such frequency as required by the Regulations and the Administering Authority's Pension Administration Strategy. Unless otherwise agreed with the Administering Authority and the Employer, any monetary shortfall contributions have been calculated on the basis that they are payable in monthly instalments over the relevant year.

Final comments

The key results from this valuation are:

The value of the Fund's assets was £2,417.8M and its past service liabilities were £2,700.7M which correspond to

- a shortfall of £282.9M and
- a funding ratio of 90%.

The cost to the Employers of future benefits building up is 17.8% of Pensionable Pay.

If the shortfall is removed over 24 years from 1 April 2017, the aggregate Employer total contributions needed would be equivalent to 20.9%* of Pensionable Pay until 31 March 2041, reverting to 17.8% of Pensionable Pay thereafter.

** if the membership remains broadly stable and pay increases in line with our assumptions.*

Developments since the valuation date

- Market movements since 31 March 2016

Since 31 March 2016, equity markets have generally risen, although the impact of this has been partially offset by falls in the risk-based discount rate that would be used if the valuation were being carried out at a more recent date (and falls in bond yields for Employers on an Orphan Funding Target).

Overall, market movements since the valuation date have increased the future service (primary) contribution rate but have had a positive impact on the funding ratio in the period to 31 December 2016. Taking these two offsetting factors together, and bearing in mind the long-term nature of the Fund, our opinion is that certifying contributions based on market conditions as at the valuation date remains appropriate.

- Employers joining or exiting since the valuation date

Contributions for employers joining since 31 March 2016 will be advised separately. Similarly, a revised Rates and Adjustments will have been prepared as necessary for employers exiting the Fund since 31 March 2016 where this has been requested by the Administering Authority.

Monitoring the Fund

In the light of the volatility inherent in the funding position where investments do not match liabilities, the Administering Authority monitors the financial position of the Fund in an appropriate manner on a regular basis.

The Administering Authority will also consider monitoring the position of individual employers, particularly those subject to the ongoing orphan funding target and those which may exit the Fund before 1 April 2020. Where appropriate and permitted by the Regulations, contributions for those employers may be amended before the next valuation.

Next actuarial valuation

The next formal actuarial valuation is due to take place as at 31 March 2019.

If actual experience before the next actuarial valuation is in line with the assumptions in this report, we expect the Fund's funding ratio to increase to approximately 91%. This improvement would be mainly due to shortfall payments certified to be paid before the next actuarial valuation.

Appendix 1: Legal framework

It is a legal requirement to carry out a full valuation at least once every three years.

This report was commissioned by and is produced solely for the use of the Administering Authority.

It is produced in compliance with:

- Regulation 62 of the Local Government Pension Scheme Regulations 2013.
- The terms of the agreement between the Administering Authority and Aon Hewitt Limited, on the understanding that it is solely for the benefit of the addressee.

Unless prior written consent has been given by Aon Hewitt Limited, this report should not be disclosed to or discussed with anyone else unless they have a statutory right to see it.

We permit the Administering Authority to release copies of this report to the following parties only:

- Any Employer which contributes to the Fund.
- The Department for Communities and Local Government.

We also permit the Department for Communities and Local Government to pass our report to the Government Actuary's Department in connection with their statutory duties. None of the above bodies has our permission to pass our report on to any other parties.

Notwithstanding such consent, Aon Hewitt Limited does not assume responsibility to anyone other than the addressee of this report.

Appendix 2: Membership data

Membership data was provided by the Administering Authority.

| Active members | | Number | Average age | Total pensionable pay (£000 pa) | Average pensionable pay (£ pa) | Average service Pre 2014 Scheme (years) | Average post 2014 pension (£ pa) |
|----------------|------|------------------|------------------|---------------------------------|--------------------------------|---|----------------------------------|
| Men | 2016 | 7,215 | 45.7 | 137,249 | 19,023 | 6.6 | 704 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>N/A</i> |
| Women | 2016 | 23,566 | 45.7 | 272,819 | 11,577 | 3.7 | 412 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>N/A</i> |
| Total | 2016 | 30,781 | 45.7 | 410,068 | 13,322 | 4.4 | 481 |
| | 2013 | 29,359 | 49.9 | 382,741 | 13,037 | 9.9 | <i>N/A</i> |

Notes:

The 2013 average ages shown are weighted by pension amount. The 2016 average ages are unweighted. Pensionable pay at 2016 valuation is actual pay and is based on the 2014 scheme definition. Average service at the 2016 valuation is to 31 March 2014.

| Deferred members | | Number | Average age | Total pension (£000s pa) | Average pension (£ pa) |
|------------------|------|------------------|------------------|--------------------------|------------------------|
| Men | 2016 | 7,268 | 44.2 | 11,831 | 1,628 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Women | 2016 | 24,955 | 46.2 | 20,725 | 830 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Frozen Refunds | 2016 | 7,933 | - | - | - |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Total | 2016 | 40,156 | 46.0 | 32,556 | 1,010 |
| | 2013 | 30,072 | 48.8 | 28,367 | 943 |

Note:

The 2013 average ages shown are weighted by pension amount. The 2016 average ages are unweighted.

| Pensioners | | Number | Average age | Total pension (£000 pa) | Average pension (£ pa) |
|------------|------|------------------|------------------|-------------------------|------------------------|
| Men | 2016 | 6,275 | 70.9 | 38,974 | 6,211 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Women | 2016 | 10,568 | 69.4 | 27,542 | 2,606 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Dependants | 2016 | 2,520 | 71.9 | 6,767 | 2,685 |
| | 2013 | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> | <i>Not known</i> |
| Total | 2016 | 19,363 | 70.2 | 73,283 | 3,785 |
| | 2013 | 16,715 | 70.4 | 64,250 | 3,844 |

Notes:

The 2013 average ages shown in these tables are weighted by pension amount. The 2016 average ages are unweighted.

In addition there were 139 (132 in 2013) members in receipt of a children's pension with pensions totalling £177,254 (£140,111 in 2013) per annum.

Appendix 3: Benefits

The benefits of the Local Government Pension Scheme are set out in Regulations, the principal Regulations currently being:

- the Local Government Pension Scheme (Transitional Provisions, Savings and Amendment) Regulations 2014 (as subsequently amended)
- the Local Government Pension Scheme Regulations 2013 (as subsequently amended)

A broad summary of the benefits payable to active members as at 31 March 2016 is given below. This reflects our understanding of the Regulations at the time of writing. This may however be subject to change and readers should refer to the Regulations for further details.

| | Benefits accrued before 1 April 2014 | Benefits accrued after 31 March 2014 |
|---------------------------------|---|--|
| Type of scheme | Final salary | Career average revalued earnings (CARE) |
| Normal Retirement / Pension Age | 65 | Linked to State Pension Age (or age 65 if higher) |
| Member contributions | No longer applicable | Between 5.5% of pay and 12.5% of actual Pensionable Pay dependent on contribution band the member is in |
| 50:50 option | Not applicable | Members can opt to pay 50% contributions for 50% of member's pension benefit (dependants' benefits not affected) |
| Pensionable Pay | Generally total pay (excluding non-contractual overtime) | Generally total pay (including non-contractual overtime) |
| Final Pay | Generally Pensionable Pay over the 12 months prior to retirement or earlier exit or, if higher, in one of the | Not applicable |

| | Benefits accrued before 1 April 2014 | Benefits accrued after 31 March 2014 |
|------------------------------------|---|--|
| Pensionable service | preceding two years. | |
| Normal retirement pension | <p>Membership of Fund (years and days), plus periods of credited service</p> <p>1/60 of Final Pay for each year of Pensionable Service on or after 1 April 2008.</p> <p>For each year of Pensionable Service before 1 April 2008:</p> <ul style="list-style-type: none"> ▪ a pension of 1/80 of Final Pay, plus ▪ a cash sum of 3/80 of Final Pay <p>Pension can be surrendered for additional cash sum to a maximum cash sum of one quarter of the total capital value of benefits.</p> <p>Conversion rate is £12 for each £1 pa of pension given up</p> | <p>Not applicable</p> <p>1/49 of revalued Pensionable Pay received during membership from 1 April 2014.</p> <p>The resulting accumulated pension is called the 'pension account'.</p> |
| Early retirement pension | <p>Reduced pension payable on retirement after age 60, or after age 55 with Employer consent.</p> <p>Pension calculated as for normal retirement but based on Pensionable Service to early retirement date, and reduced for early payment.</p> <p>Certain categories of member eligible for protection can retire on unreduced pension if their age plus Pensionable Service is greater than or equal to 85 years, with Employer consent required if under age 60.</p> | <p>Reduced pension payable on retirement after age 55.</p> <p>Pension calculated as for normal retirement but based on revalued Pensionable Pay up to early retirement date (in relation to final salary benefits), and reduced for early payment.</p> <p>Certain categories of member eligible for protection can retire on unreduced pension if their age plus Pensionable Service is greater than or equal to 85 years.</p> |
| Incapacity and ill-health pensions | <p>In each case members must</p> <ul style="list-style-type: none"> ▪ be permanently incapable of efficiently discharging the duties of the employment they were engaged in to qualify | |

| | Benefits accrued before 1 April 2014 | Benefits accrued after 31 March 2014 |
|---|---|---|
| | <p>and</p> <ul style="list-style-type: none"> be incapable of immediately undertaking any gainful employment | |
| <p>Incapacity and ill-health pensions (continued)</p> | <p>Tier 1</p> <ul style="list-style-type: none"> Payable to members with more than 2 years of Pensionable Service. Immediate payment of accrued pension, plus an enhancement equal to the amount of earned pension the member would have accrued between the date of leaving and Normal Pension Age, based on the current Pensionable Pay. <p>To qualify for this benefit the member must be unlikely to be capable of undertaking any gainful employment before Normal Pension Age.</p> <p>Tier 2</p> <ul style="list-style-type: none"> Payable to members with more than 2 years of Pensionable Service. Immediate payment of accrued pension, plus an enhancement equal to 25% of the Tier 1 enhancement. <p>To qualify for this benefit the member must be expected to be capable of undertaking gainful employment at some point after 3 years, but before Normal Pension Age.</p> <p>Tier 3</p> <p>Subject to members having qualifying service of 2 years or more:</p> <ul style="list-style-type: none"> Payable to members with more than 3 months' Pensionable Service based on Final Pay at exit and Pensionable Service completed to date of exit. To qualify for this benefit the member must be expected to be capable of undertaking gainful employment at some point within 3 years of date of exit. <p>Payable for 3 years or until gainful employment obtained, if earlier.</p> | |
| <p>Leaving Pensionable Service</p> | <p>Pension payable on retirement at Normal Retirement Age based on Final Pay at exit and Pensionable Service to date of exit.</p> | <p>Pension payable on retirement at Normal Pension Age calculated as for normal retirement based on revalued Pensionable Pay during period of membership.</p> |

| | Benefits accrued before 1 April 2014 | Benefits accrued after 31 March 2014 |
|--|---|---|
| | Certain categories of member can retire early on unreduced pension if aged 60 or over and their age plus service is greater than or equal to 85 years. Service in this case includes the period between date of exit and date pension commences. | |
| CARE revaluation in service | Not applicable | In line with increases in the Consumer Prices Index (CPI) |
| Deferred pension revaluation after leaving | <ul style="list-style-type: none"> ▪ Guaranteed Minimum Pensions (GMPs) increase in deferment in line with State revaluation factors. ▪ Deferred pensions in excess of GMPs increase in line with CPI | In line with CPI (subject to a minimum of zero) |
| Pension increases in payment | <ul style="list-style-type: none"> ▪ GMPs accrued after 6 April 1988 increase at the lower of 3% pa and CPI, with the exception of members who reach State Pension Age between 6 April 2016 and 5 December 2018. ▪ Pensions in payment in excess of GMPs, and GMPs for members who reach State Pension Age between 6 April 2016 and 5 December 2018, increase in line with CPI. | In line with CPI (subject to a minimum of zero) |
| Death benefits | A cash sum of 3 x Assumed Pensionable Pay at exit. | |
| Death benefits (continued) | A partner's pension of 1/160 of Final Pay for each year of Pensionable Service before 1 April 2014. | A partner's pension of 1/160 of revalued Pensionable Pay received during membership from 1 April 2014 plus an enhancement to pension of 1/160 of Assumed Pensionable Pay at death for each year between death and Normal Pension Age. |

| | Benefits accrued before 1 April 2014 | Benefits accrued after 31 March 2014 |
|----------------------------|--|--------------------------------------|
| Death benefits (continued) | Partners are spouses, civil partners and cohabitantes. Children's pensions may be payable. | |
| State pension scheme | The Scheme was contracted out of the State Second Pension Scheme until contracting-out was abolished in April 2016. | |
| Protections / underpins | Pre 2014 benefits protected (including link to eventual Final Pay). Underpin of benefits on 2008 Scheme structure for members aged over 55 in April 2012. Rule of 85 retained for members aged over 60 on 31 March 2016. Partial protection of Rule of 85 for members aged over 60 on 31 March 2020. Rule of 85 retained for service before 31 March 2008 for those with scheme membership before 1 October 2006. | |
| Vesting period | A refund of member contributions is paid for members leaving membership with qualifying service of less than 2 years. | |

Appendix 4: Consolidated revenue account

We show a summary of the revenue and outgo of the Fund since the previous valuation below, taken from the Fund's Report and Accounts.

| | Total £000 |
|-------------------------------------|------------------|
| Fund as at 31 March 2013 | 1,840,733 |
| Income | |
| Contributions | |
| Employer normal | 168,954 |
| Employer additional | 88,085 |
| Employer special | 9,068 |
| Employee | 75,476 |
| Transfers-in | 26,682 |
| Investment income | 61,801 |
| Underwriting commission | (1,077) |
| Total income | 428,989 |
| Outgo | |
| Pensions paid | 209,775 |
| Retirement cash sums | 63,612 |
| Transfers-out | 48,549 |
| Death benefits paid out | 5,485 |
| Refunds of contributions on leaving | 510 |
| Expenses | |
| Investment | 18,350 |
| Administration | 6,128 |
| State scheme premiums | - |
| Other | - |
| Total outgo | 352,409 |
| Change in market value | 500,520 |
| Fund as at 31 March 2016 | 2,417,833 |

Appendix 5: Assumptions used to value the liabilities

The assumptions used for calculating the past service liabilities and the cost of future benefit accrual are summarised below.

Financial assumptions

| | |
|--|--------------------------------|
| In-service discount rate | |
| <i>Scheduled body / subsumption funding target</i> | 4.4% pa |
| <i>Orphan body funding target</i> | 4.1% pa |
| Left-service discount rate | |
| <i>Scheduled body / subsumption funding target</i> | 4.4% pa |
| <i>Orphan body funding target</i> | 2.5% pa |
| Rate of Pensionable Pay increases (service up to 31 March 2014 only) (in addition to promotional increases) | 3.25% pa |
| Rate of CPI price inflation | 2.0% pa |
| Rate of revaluation of pension accounts | 2.0% pa |
| Rate of pension increases | |
| on non GMPs | 2.0% pa |
| on post 88 GMPs | 1.8% pa |
| Rate of deferred pension increases | |
| non GMP | 2.0% pa |
| GMP | 3.25% pa |
| Administration expenses | 0.4% of Pensionable Pay |

Demographic assumptions

| | | |
|--------------------------------------|--|---|
| Pre-retirement base mortality | Males: 70% of Standard SAPS S2P tables Females: 40% of Standard SAPS S2P tables | |
| Post-retirement base mortality | Males: 100% of Standard SAPS S2P tables Females: 85% of Standard SAPS S2P tables | |
| Ill-health retirement base mortality | Males: 100% of Standard SAPS S2 Ill Health tables Females: 130% of Standard SAPS S2 Ill Health tables | |
| Improvements to mortality | An allowance for improvements in line with the CMA 2014 improvements (for men or women as appropriate) with a long term rate of improvement of 1.5% pa. | |
| Promotional salary increases | Allowance has been made for age-related promotional increases (see sample rates below). | |
| Withdrawals | Allowance has been made for withdrawals from service (see sample rates below). On withdrawal, members are assumed to leave a deferred pension in the Fund. | |
| Retirement age | Members were assumed to retire at the following ages: | |
| | Member group | Assumed age at retirement |
| | Active members with protected Rule of 85 age (joined LGPS before 1 October 2006 and attained age 60 before 1 April 2020) | Rule of 85 age (or age 60 if higher). Any part of their pension payable from a later age will be reduced. |
| | Active members who joined before 1 April 2014 and not included in the above group | Age 65. Post 2014 pensions will be reduced if the member's State Pension Age is projected to be over age 65 at that point. |
| | Deferred members who joined the Fund before 1 April 2014 with protected Rule of 85 age | Rule of 85 age (or age 60 if higher). Any part of their pension payable from a later age will be reduced. |
| | Deferred members who joined the Fund before 1 April 2014 with no protected Rule of 85 age | Age 65. |
| | All other active and deferred members | State Pension Age (or age 65 if higher) |
| Retirement cash sum | Each member is assumed to surrender pension on retirement, such that the total cash received is 75% of the permitted maximum. | |

| | | | | | | | |
|-------------------------------------|--|--------|-----|--------|----|--------|----|
| Family details | <p>Each man was assumed to be three years older than his wife/partner.</p> <p>75% of non-pensioners were assumed to be married or have a spouse, civil partner or cohabitee ('partner') at retirement or earlier death.</p> <p>75% of pensioners were assumed to be married or have a partner at age 65.</p> <p>Partners were assumed to exhibit the same mortality as pensioners of the same sex who retired in normal health.</p> <p>No allowance for children's pensions.</p> | | | | | | |
| Retirement due to ill-health | <p>Allowance has been made for retirements due to ill-health (see below). Proportions assumed to fall into the different benefit tiers are:</p> <table border="0" style="margin-left: 40px;"> <tr> <td style="padding-right: 20px;">Tier 1</td> <td>90%</td> </tr> <tr> <td>Tier 2</td> <td>5%</td> </tr> <tr> <td>Tier 3</td> <td>5%</td> </tr> </table> | Tier 1 | 90% | Tier 2 | 5% | Tier 3 | 5% |
| Tier 1 | 90% | | | | | | |
| Tier 2 | 5% | | | | | | |
| Tier 3 | 5% | | | | | | |
| Take up of 50:50 scheme | <p>All members are assumed to remain in the scheme they are in at the date of the valuation.</p> | | | | | | |

Sample rates

The table below illustrates the allowances made for withdrawals from service and ill-health retirement at various ages. Also shown is the allowance included for promotional pay increases, which is shown as the percentage increase over the next year.

| Current age | Percentage promotional pay increase over next year | Percentage leaving the Fund each year as a result of withdrawal from service | Percentage leaving the Fund each year as a result of ill-health retirement | |
|-------------|--|--|--|-------|
| | Males and Females | Males and Females | Men | Women |
| 20 | 3.9% | 12.5% | 0.01% | 0.00% |
| 25 | 3.3% | 12.5% | 0.02% | 0.00% |
| 30 | 2.6% | 9.0% | 0.02% | 0.01% |
| 35 | 1.8% | 7.5% | 0.03% | 0.02% |
| 40 | 1.1% | 6.0% | 0.06% | 0.03% |
| 45 | 0.3% | 5.0% | 0.09% | 0.05% |
| 50 | 0.0% | 4.0% | 0.25% | 0.11% |
| 55 | 0.0% | 2.5% | 0.41% | 0.18% |
| 60 | 0.0% | 1.0% | 0.57% | 0.25% |
| 65 | 0.0% | 0.0% | 0.00% | 0.00% |

Appendix 6: Membership experience

We have compared the actual numbers of deaths, retirements and other exits since the previous valuation with the numbers expected on the assumptions used for the 2016 valuation:

| Type of exit | Men | Women |
|--|-------|-------|
| Death after retirement in normal health | | |
| Actual | 450 | 376 |
| Expected | 379 | 344 |
| Death after retirement in ill health | | |
| Actual | 146 | 99 |
| Expected | 119 | 83 |
| Death in service | | |
| Actual | 27 | 39 |
| Expected | 32 | 51 |
| Withdrawals (excluding refunds) | | |
| Actual | 1,746 | 5,595 |
| Expected | 1,230 | 3,945 |
| Ill-health retirements | | |
| Actual | 45 | 53 |
| Expected | 48 | 63 |

Appendix 7: Additional contributions paid before 31 March 2017

We understand that certain Employers have paid additional shortfall contributions in the year ended 31 March 2017 beyond those certified. We have taken these into account in assessing the contributions required for the period after 1 April 2017 as set out within the Rates and Adjustments Certificate.

The following Employers have paid additional shortfall contributions to the Fund over 2016/17 beyond those certified:

| Employer | Amount paid | Date paid |
|------------------------|-------------|---------------|
| Selby District Council | £9.391M | 27 March 2017 |

Appendix 8: Rates and Adjustments Certificate

Actuarial certificate given for the purposes of Regulation 62 of the Local Government Pension Scheme Regulations 2013.

In accordance with Regulation 62 of the Local Government Pension Scheme Regulations 2013 ('the 2013 Regulations'), we certify that contributions should be paid by Employers at the following rates for the period 1 April 2017 to 31 March 2020.

- Primary contribution rates for individual employers as shown below. The primary rate for the whole Fund, calculated as a weighted average of the employers' individual rates, is 17.8% of Pensionable Pay.
- Individual adjustments (i.e. secondary contribution rates) which, when added to or subtracted from the primary rate for that employer, produce the following minimum Employer contribution rates.

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|--|------------------|--|---|---------|---------|---|-----------------------|-----------------------|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Archbishop Holgates School | 103 | 19.9% | £59,800 | £61,700 | £63,700 | 19.9% plus £59,800 | 19.9% plus £61,700 | 19.9% plus £63,700 |
| Arete Learning Trust (Stokesley School) | 144 | 18.7% | £61,200 | £63,200 | £65,300 | 18.7% plus £61,200 | 18.7% plus £63,200 | 18.7% plus £65,300 |
| Askham Bryan College | 61 | 16.6% | £76,900 | £79,400 | £82,000 | 16.6% plus £76,900 | 16.6% plus £79,400 | 16.6% plus £82,000 |
| Be Independent | 131 | 20.1% | 0.0% | 0.0% | 0.0% | 20.1% | 20.1% | 20.1% |
| Bishop Wheeler Catholic Academy Trust | 153 | 17.7% | £37,400 | £38,600 | £39,800 | 17.7% plus £37,400 | 17.7% plus £38,600 | 17.7% plus £39,800 |

Schedule 2 Part 1 bodies / Schedule 2 Part 2 bodies (Scheduled bodies), and
Schedule 2 Part 3 bodies (Admission bodies) where the Subsumption Funding Target applies

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|--|---|--|---|--------------------------------|--------------------------------|---|--|--|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Brotherton & Byram | 148 | 15.6% | £6,900 | £7,100 | £7,300 | 15.6% plus £6,900 | 15.6% plus £7,100 | 15.6% plus £7,300 |
| Churchill Security | 120 | 22.5% | 0.0% | 0.0% | 0.0% | 22.5% | 22.5% | 22.5% |
| City of York Council | 8, 20, 96, 97, 114, 116, 121, 123, 134, 135, 136, 137, 138, 141, 142, 143, 151, 157 | 17.9% | £2,051,300 | £2,118,000 | £2,186,800 | 17.9% plus £2,051,300 | 17.9% plus £2,118,000 | 17.9% plus £2,186,800 |
| Craven College | 62 | 17.3% | 0.0% | 0.0% | 0.0% | 17.3% | 17.3% | 17.3% |
| Craven District Council | 14 | 17.7% | £576,966 Paid In April 2017 | £576,967 Paid In April 2017 | £576,967 Paid in April 2017 | 17.7% plus £576,966 Paid in April 2017 | 17.7% plus £576,967 Paid In April 2017 | 17.7% plus £576,967 Paid in April 2017 |
| Craven Educational Trust (The Skipton Academy) | 133 | 18.6% | £23,300 | £24,100 | £24,900 | 18.6% plus £23,300 | 18.6% plus £24,100 | 18.6% plus £24,900 |
| David Ross Educational Trust (Thomas Hinderwell Primary) | 125 | 16.0% | £9,700 | £10,000 | £10,300 | 16.0% plus £9,700 | 16.0% plus £10,000 | 16.0% plus £10,300 |
| Easingwood Town Council | 85 | 19.5% | £1,000 | £1,100 | £1,100 | 19.5% plus £1,000 | 19.5% plus £1,100 | 19.5% plus £1,100 |
| Ebor Academy Filey | 152 | 18.3% | £28,900 | £29,800 | £30,800 | 18.3% plus £28,900 | 18.3% plus £29,800 | 18.3% plus £30,800 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|---|------------------|--|---|-------------------------------------|--------------------------------|---|---|--|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Enquire Learning Trust (Roseberry Academy) | 139 | 18.8% | £9,800 | £10,100 | £10,400 | 18.8% plus £9,800 | 18.8% plus £10,100 | 18.8% plus £10,400 |
| Enterprise | 92 | 23.0% | -5.0% | -5.0% | -5.0% | 18.0% | 18.0% | 18.0% |
| Filey Town Council | 2 | 19.5% | £1,900 | £2,000 | £2,000 | 19.5% plus £1,900 | 19.5% plus £2,000 | 19.5% plus £2,000 |
| Foss Internal Drainage Board | 38 | 19.5% | £10,200 | £10,500 | £10,800 | 19.5% plus £10,200 | 19.5% plus £10,500 | 19.5% plus £10,800 |
| Fullford Parish Council | 1 | 19.5% | £4,700 | £4,800 | £5,000 | 19.5% plus £4,700 | 19.5% plus £4,800 | 19.5% plus £5,000 |
| Glusburn Parish Council | 35 | 19.5% | £300 | £300 | £300 | 19.5% plus £300 | 19.5% plus £300 | 19.5% plus £300 |
| Great Ayton Parish Council | 4 | 19.5% | £800 | £900 | £900 | 19.5% plus £800 | 19.5% plus £900 | 19.5% plus £900 |
| Gt Smeaton Primary School | 109 | 20.1% | £400 | £400 | £400 | 20.1% plus £400 | 20.1% plus £400 | 20.1% plus £400 |
| Hambleton District Council | 9 | 16.5% | £277,600 Paid In April 2017 | £277,600 Paid In April 2017 | £277,600 Paid In April 2017 | 16.5% plus £277,600 Paid In April 2017 | 16.5% plus £277,600 Paid In April 2017 | 16.5% plus £277,600 Paid In April 2017 |
| Harrrogate Borough Council | 11, 120 | 18.0% | £1,963,450 Paid in April 2017 | £1,963,450 Paid in April 2017 | 0.0% | 18.0% plus £1,963,450 Paid in April 2017 | 18.0% plus £1,963,450 Paid in April 2017 | 18.0% |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|--------------------------------------|------------------|--|---|---------|---------|---|-----------------------|-----------------------|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Harrogate High Academy | 113 | 18.6% | £63,300 | £65,400 | £67,500 | 18.6% plus £63,300 | 18.6% plus £65,400 | 18.6% plus £67,500 |
| Haxby Road Primary | 127 | 16.9% | £1,100 | £5,200 | £9,400 | 16.9% plus £1,100 | 16.9% plus £5,200 | 16.9% plus £9,400 |
| Haxby Town Council | 72 | 19.5% | £2,700 | £2,700 | £2,800 | 19.5% plus £2,700 | 19.5% plus £2,700 | 19.5% plus £2,800 |
| Housing and Care 21 | 132 | 5.0% | 0.0% | 0.0% | 0.0% | 5.0% | 5.0% | 5.0% |
| Hunmanby Town Council | 71 | 19.5% | £800 | £800 | £800 | 19.5% plus £800 | 19.5% plus £800 | 19.5% plus £800 |
| Huntington Primary School | 146 | 18.3% | £10,100 | £10,400 | £10,700 | 18.3% plus £10,100 | 18.3% plus £10,400 | 18.3% plus £10,700 |
| Knarborough Town Council | 47 | 19.5% | £1,900 | £2,000 | £2,000 | 19.5% plus £1,900 | 19.5% plus £2,000 | 19.5% plus £2,000 |
| Make It York | 147 | 19.1% | -2.0% | -2.0% | -2.0% | 17.1% | 17.1% | 17.1% |
| Malton Town Council | 56 | 19.5% | £2,500 | £2,600 | £2,700 | 19.5% plus £2,500 | 19.5% plus £2,600 | 19.5% plus £2,700 |
| Manor CE School | 106 | 16.0% | £48,800 | £50,300 | £52,000 | 16.0% plus £48,800 | 16.0% plus £50,300 | 16.0% plus £52,000 |
| Marston Moor Internal Drainage Board | 44 | 19.5% | £1,100 | £1,100 | £1,200 | 19.5% plus £1,100 | 19.5% plus £1,100 | 19.5% plus £1,200 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|--------------------------------------|--|--|---|-------------------------------------|-------------------------------------|---|---|---|
| | | | 2017 | 2018 | 2019 | 2017 £ | 2018 £ | 2019 £ |
| New Park Primary Academy | 158 | 16.3% | £6,200 | £6,400 | £5,600 | 16.3% plus £6,200 | 16.3% plus £6,400 | 16.3% plus £6,600 |
| North York Moors National Park | 52 | 18.0% | 0.0% | 0.0% | 0.0% | 18.0% | 18.0% | 18.0% |
| North Yorkshire County Council | 25, 26, 27, 29, 30, 48, 54, 58, 59, 69, 75, 93, 94, 95, 110, 115, 124, 132, 140 | 17.9% | £8,399,366 Paid in April 2017 | £8,399,367 Paid in April 2017 | £8,399,367 Paid in April 2017 | 17.9% plus £8,399,366 Paid in April 2017 | 17.9% plus £8,399,367 Paid in April 2017 | 17.9% plus £8,399,367 Paid in April 2017 |
| North Yorkshire Fire & Rescue | 51 | 16.9% | £95,100 Paid in April 2017 | £98,200 Paid in April 2018 | £101,400 Paid in April 2019 | 16.9% plus £95,100 Paid in April 2017 | 16.9% plus £98,200 Paid in April 2018 | 16.9% plus £101,400 Paid in April 2019 |
| Northallerton & Romanby Burial Board | 18 | 19.5% | £1,300 | £1,300 | £1,400 | 19.5% plus £1,300 | 19.5% plus £1,300 | 19.5% plus £1,400 |
| Northallerton Town Council | 60 | 19.5% | £4,100 | £4,200 | £4,300 | 19.5% plus £4,100 | 19.5% plus £4,200 | 19.5% plus £4,300 |
| Norton College | 104 | 19.1% | £54,000 | £59,400 | £74,100 | 19.1% plus £54,000 | 19.1% plus £59,400 | 19.1% plus £74,100 |
| Norton on Derwent Town Council | 46 | 19.5% | £2,600 | £2,700 | £2,800 | 19.5% plus £2,600 | 19.5% plus £2,700 | 19.5% plus £2,800 |
| NY Chief Constable | 129 | 15.8% | -4.5% | -4.5% | -4.5% | 11.3% | 11.3% | 11.3% |
| NY Police and Crime Commissioner | 128 | 16.1% | -12.2% | -12.2% | -12.2% | 3.9% | 3.9% | 3.9% |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and Es) in year commencing 1 April | | | Total contributions (% Pensionable pay and Es) in year commencing 1 April | | |
|---|------------------|--|---|-----------------------------|-----------------------------|---|---|---|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| Outwood Grange Academies Trust (Outwood Academy, Ripon) | 108 | 19.0% | £44,200 | £45,700 | £47,200 | 19.0% plus £44,200 | 19.0% plus £45,700 | 19.0% plus £47,200 |
| Pickering Town Council | 70 | 19.5% | £1,800 | £1,900 | £1,900 | 19.5% plus £1,800 | 19.5% plus £1,900 | 19.5% plus £1,900 |
| Poppleton Ousebank School | 145 | 19.3% | £18,900 | £19,500 | £20,200 | 19.3% plus £18,900 | 19.3% plus £19,500 | 19.3% plus £20,200 |
| Red Kite Learning Trust | 98, 155 | 18.3% | £52,700 | £88,000 | £124,200 | 18.3% plus £52,700 | 18.3% plus £88,000 | 18.3% plus £124,200 |
| Richmond Town Council | 50 | 19.5% | £700 | £700 | £800 | 19.5% plus £700 | 19.5% plus £700 | 19.5% plus £800 |
| Richmondshire District Council | 12 | 18.7% | £308,033 Paid in April 2017 | £308,033 Paid in April 2017 | £308,034 Paid in April 2017 | 18.7% plus £308,033 Paid in April 2017 | 18.7% plus £308,033 Paid in April 2017 | 18.7% plus £308,034 Paid in April 2017 |
| Richmondshire Leisure Trust | 82 | 19.4% | £3,200 | £3,300 | £3,400 | 19.4% plus £3,200 | 19.4% plus £3,300 | 19.4% plus £3,400 |
| Ringway | 110 | 23.3% | 0.0% | 0.0% | 0.0% | 23.3% | 23.3% | 23.3% |
| Ripon City Council | 28 | 19.5% | £2,500 | £2,500 | £2,600 | 19.5% plus £2,500 | 19.5% plus £2,500 | 19.5% plus £2,600 |
| Robert Wilkinson Academy | 126 | 17.1% | £13,100 | £24,400 | £37,700 | 17.1% plus £13,100 | 17.1% plus £24,400 | 17.1% plus £37,700 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|--------------------------------|------------------|--|---|-------------------------------------|-------------------------------------|---|---|---|
| | | | 2017 | 2018 | 2019 | 2017 £ | 2018 £ | 2019 £ |
| Rossett School | 105 | 19.5% | £58,200 | £60,100 | £62,000 | 19.5% plus £58,200 | 19.5% plus £60,100 | 19.5% plus £62,000 |
| Ryedale District Council | 10, 73 | 18.7% | £326,000 Paid in April 2017 | £326,000 Paid in April 2017 | £326,000 Paid in April 2017 | 18.7% plus £326,000 Paid in April 2017 | 18.7% plus £326,000 Paid in April 2017 | 18.7% plus £326,000 Paid in April 2017 |
| Sanctuary Housing | 140 | 7.0% | 0.0% | 0.0% | 0.0% | 7.0% | 7.0% | 7.0% |
| Scarborough Borough Council | 7, 89 | 18.2% | £1,759,366 Paid in April 2017 | £1,759,367 Paid in April 2017 | £1,759,367 Paid in April 2017 | 18.2% plus £1,759,366 Paid in April 2017 | 18.2% plus £1,759,367 Paid in April 2017 | 18.2% plus £1,759,367 Paid in April 2017 |
| Scarborough VI Form College | 68 | 19.5% | -2.4% | -1.2% | 0.0% | 17.1% | 18.3% | 19.5% |
| Selby College | 65 | 18.5% | -1.3% | £2,500 | £30,500 | 17.2% | 18.5% plus £2,500 | 18.5% plus £30,500 |
| Selby District Council | 13 | 16.7% | 0.0% | 0.0% | 0.0% | 16.7% | 16.7% | 16.7% |
| Selby Town Council | 34 | 19.5% | £8,900 | £9,200 | £9,500 | 19.5% plus £8,900 | 19.5% plus £9,200 | 19.5% plus £9,500 |
| Skipton Girls High School | 101 | 18.3% | £33,900 | £35,000 | £36,200 | 18.3% plus £33,900 | 18.3% plus £35,000 | 18.3% plus £36,200 |
| Skipton Town Council | 41 | 19.9% | £3,600 | £3,700 | £3,800 | 19.9% plus £3,600 | 19.9% plus £3,700 | 19.9% plus £3,800 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|----------------------------------|------------------|--|---|----------|----------|---|------------------------|------------------------|
| | | | 2017 | 2018 | 2019 | 2017 | 2018 | 2019 |
| | | | £ | £ | £ | £ | £ | £ |
| SiM Ltd Scar Leisure | 149 | 17.8% | 0.0% | 0.0% | 0.0% | 17.8% | 17.8% | 17.8% |
| South Craven Academy Trust | 102 | 19.1% | £131,900 | £136,100 | £140,600 | 19.1% plus £131,900 | 19.1% plus £136,100 | 19.1% plus £140,600 |
| Sutton in Craven Parish Council | 5 | 19.5% | £1,400 | £1,500 | £1,500 | 19.5% plus £1,400 | 19.5% plus £1,500 | 19.5% plus £1,500 |
| Tadcaster Town Council | 48 | 39.1% | -6.4% | -3.2% | 0.0% | 32.7% | 35.9% | 39.1% |
| The Grove Academy | 122 | 17.8% | £2,800 | £2,900 | £3,000 | 17.8% plus £2,800 | 17.8% plus £2,900 | 17.8% plus £3,000 |
| The Woodlands Academy | 119 | 15.6% | £36,800 | £38,000 | £39,200 | 15.6% plus £36,800 | 15.6% plus £38,000 | 15.6% plus £39,200 |
| Thornton Internal Drainage Board | 49 | 19.5% | £900 | £900 | £900 | 19.5% plus £900 | 19.5% plus £900 | 19.5% plus £900 |
| University of Hull | 55 | 18.6% | £122,700 | £126,700 | £130,800 | 18.6% plus £122,700 | 18.6% plus £126,700 | 18.6% plus £130,800 |
| Veritau Ltd | 90 | 18.1% | -2.9% | -2.9% | -2.9% | 15.2% | 15.2% | 15.2% |
| Veritau North Yorkshire | 111 | 15.9% | -6.4% | -6.4% | -6.4% | 9.5% | 9.5% | 9.5% |
| Whitby Town Council | 3 | 19.5% | £4,200 | £4,300 | £4,500 | 19.5% plus £4,200 | 19.5% plus £4,300 | 19.5% plus £4,500 |
| York College | 64, 67, 74 | 18.1% | -0.7% | -0.1% | £23,500 | 17.4% | 18.0% | 18.1% plus £23,500 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|---|------------------|--|---|----------|----------|---|------------------------|------------------------|
| | | | 2017 | 2018 | 2019 | 2017 £ | 2018 £ | 2019 £ |
| York Libraries & Arc | 130 | 17.7% | 0.5% | 0.5% | 0.5% | 18.2% | 18.2% | 18.2% |
| York Museums Trust | 76 | 14.9% | 0.0% | 0.0% | 0.0% | 14.9% | 14.9% | 14.9% |
| York St John University | 16 | 15.8% | £56,600 | £58,400 | £60,300 | 15.8% plus £56,600 | 15.8% plus £58,400 | 15.8% plus £60,300 |
| Yorkshire Causeway Schools Trust (Richard Taylor Primary Academy) | 156a | 19.1% | £16,300 | £16,900 | £17,400 | 19.1% plus £16,300 | 19.1% plus £16,900 | 19.1% plus £17,400 |
| Yorkshire Causeway Schools Trust (St Aidans Church of England High School) | 107 | 19.1% | £108,900 | £112,500 | £116,100 | 19.1% plus £108,900 | 19.1% plus £112,500 | 19.1% plus £116,100 |
| Yorkshire Causeway Schools Trust (St Peter's CE Primary School) | 156b | 19.1% | £24,400 | £25,100 | £26,000 | 19.1% plus £24,400 | 19.1% plus £25,100 | 19.1% plus £26,000 |
| Yorkshire Coast Homes | 80 | 16.3% | -3.6% | -3.6% | -3.6% | 12.7% | 12.7% | 12.7% |
| Yorkshire Collaboration Academy Trust | 154 | 18.1% | £29,000 | £29,900 | £30,900 | 18.1% plus £29,000 | 18.1% plus £29,900 | 18.1% plus £30,900 |
| Yorkshire Dates National Park | 53 | 18.6% | 0.0% | 0.0% | 0.0% | 18.6% | 18.6% | 18.6% |
| Schedule 2 Part 3 bodies (Admission Bodies) where the Orphan body funding target applies | | | | | | | | |
| Joseph Rowntree Trust | 40 | 27.7% | £5,600 | £22,000 | £38,500 | 27.7% plus £5,600 | 27.7% plus £22,000 | 27.7% plus £38,500 |

| Employer | Employer code(s) | Primary Contribution rate % Pensionable Pay | Secondary contributions (% Pensionable pay and £s) in year commencing 1 April | | | Total contributions (% Pensionable pay and £s) in year commencing 1 April | | |
|---------------------------|------------------|--|---|-----------------------------------|-----------------------------------|---|-----------------------------------|-----------------------------------|
| | | | 2017 | 2018 | 2019 | 2017 £ | 2018 £ | 2019 £ |
| Sheffield Int Venues | 118 | 29.5% | -7.3% | £1,900 | £29,900 | 22.2% | 29.5% plus £1,900 | 29.5% plus £29,900 |
| Superclean Services | 86 | 36.3% | -17.4% | £800 | £2,900 | 18.9% | 36.3% plus £800 | 36.3% plus £2,900 |
| Welcome to Yorkshire | 15 | 27.4% | -0.4% plus £140,000 | -0.4% plus £150,000 | -0.4% plus £160,000 | 27.0% plus £140,000 | 27.0% plus £150,000 | 27.0% plus £160,000 |
| Wigan Leisure | 91 | 38.0% | -8.9% | -4.5% | 0.0% | 29.1% | 33.5% | 38.0% |
| York Archaeological Trust | 17 | 25.2% | £20,700 | £29,700 | £38,700 | 25.2% plus £20,700 | 25.2% plus £29,700 | 25.2% plus £38,700 |
| Total | | 17.8% | -0.5% plus £17,200,000 | -0.5% plus £17,400,000 | -0.5% plus £15,800,000 | 17.3% plus £17,200,000 | 17.3% plus £17,400,000 | 17.3% plus £15,800,000 |

Where advance payment of the Secondary contributions has been agreed to be paid by the Employer in April 2017, the total Secondary contribution due is summarised below. This is simply the sum of the Secondary contributions shown in the table above.

| Employer | Secondary contribution due in April 2017 |
|--------------------------------|--|
| Craven District Council | £1,730,900 |
| Hambleton District Council | £832,800 |
| Harrogate Borough Council | £3,926,900 |
| North Yorkshire County Council | £25,198,100 |
| Richmondshire District Council | £924,100 |
| Ryedale District Council | £978,000 |
| Scarborough Borough Council | £5,278,100 |

The contributions shown above represent the minimum contributions to be paid by each Employer. Employers may choose to pay additional contributions from time to time subject to the Administering Authority's agreement.

Where payments due from an Employer are expressed as monetary amounts, the amounts payable by that Employer may be adjusted to take account of any amounts payable, in respect of a surplus or shortfall to which those monetary payments relate, by new employers created after the valuation date which have been credited with proportions of the assets and liabilities of the relevant Employer.

Additional contributions may be required in respect of any additional liabilities that arise under the provisions of Regulations 30, 31, 35 and 38 of the 2013 Regulations and Employers will be notified of such contributions separately by the Administering Authority.

Additional contributions may be payable by any Employers which have ceased to participate in the Fund since 31 March 2016 and these will be certified separately.

Contribution rates for Employers commencing participation in the Fund after 31 March 2016 will be advised separately.

This certificate should be read in conjunction with the notes overleaf.

Signed on behalf of Aon Hewitt Limited

Alison Murray FFA

Fellow of the Institute and Faculty of Actuaries

31 March 2017

Aon Hewitt Limited
25 Marsh Street
Bristol BS1 4AQ

Scott Campbell FIA

Fellow of the Institute and Faculty of Actuaries

Notes to Fund Actuary's certificate

The contribution rates certified have been assessed using the actuarial methods and assumptions detailed in our actuarial valuation report dated 31 March 2017. In particular the following assumptions have been made regarding retirement liabilities from active membership status:

Normal, late and voluntary retirement under Regulations 30(1), 30(3) and 30(5) of the 2013 Regulations

The assumptions regarding retirement at each age are as summarised in Appendix 5 of our valuation report.

Where some or all benefits are drawn before the assumed retirement age, but no reduction for early payment applies or members elect to draw their benefits after the assumed retirement age there may be a funding strain or loss respectively. This will come through as an item of experience at the next actuarial valuation.

Additional funding would not normally be required if actual retirements exceed the number anticipated, unless retirements occur before Normal Pension Age and the employer waives the reduction for early payment as permitted by Regulation 30(8). The Administering Authority requires separate funding of any additional liabilities arising from such retirements and, as such, the financial impact of these retirements is broadly neutral.

Ill-health under Regulation 35 of the 2013 Regulations

The assumptions regarding ill health retirement at each age are as summarised in Appendix 5 of our valuation report.

Such retirements increase costs due to the early payment of enhanced benefits. If actual retirements exceed the number anticipated, and no action is taken before the next valuation, this would be identified as a source of loss at the next valuation.

Severance and redundancy under Regulation 30(7) of the 2013 Regulations

No allowance is made in the valuation for retirements in these circumstances.

Such retirements increase costs due to the early payment of benefits. Any enhancement of benefits through the Fund would increase costs further. If actual retirements exceed the number anticipated, and no action is taken before the next valuation, this would be identified as a source of loss at the next valuation. The Administering Authority requires separate funding of liabilities arising from such retirements and, assuming the factors used to calculate the additional Employer payments are updated as proposed, the financial impact of these retirements is broadly neutral.

Flexible retirement under Regulation 30(6) of the 2013 Regulations

No allowance is made in the valuation for retirements in these circumstances.

Such retirements are generally 'cost neutral' (although there may be a small gain or loss to the extent that the actuarial reduction factors are based on different assumptions to those adopted for funding purposes). Additional funding would not normally be required if actual retirements exceed the number anticipated, unless retirements occur before Normal Pension Age and no reduction for early payment applies. The Administering Authority requires separate funding of any additional liabilities arising from such retirements and, as such, the financial impact of these retirements is broadly neutral.

In this certificate, references to:

- the 2013 Regulations mean the Local Government Pension Scheme Regulations 2013

Appendix 9: Glossary

Active member

A person who is employed by an employer participating in the Fund, and is paying (or is treated as paying) contributions to the Fund (includes certain members temporarily absent, e.g. due to family leave or sickness).

Admission Body

An employer admitted to the Fund under an admission agreement.

Attained age method

This is one of the methods used by actuaries to calculate a contribution rate to the Fund. This method calculates the present value of the benefits expected to accrue to members over their expected remaining membership of the Fund expressed as a percentage of their expected future pensionable pay. It allows for projected future increases to pay or revaluation as appropriate through to retirement or date of leaving service. The method is based on the current membership and takes no account of the possibility of further members joining the Fund. If there are no new members, this method would be expected to result in a stable contribution rate, once surpluses or shortfalls are taken into account, and if all the other assumptions are borne out. However, if more members join the Fund to replace older leavers, the contribution rate can be expected to fall.

Consumer Prices Index (CPI)

This is the price inflation index that increases to pensions and deferred pensions paid by the Fund are currently based on. It is published every month by the Office of National Statistics.

Deferred members

A former employee who has left active membership, but has not yet received any benefits from the Fund and is prospectively entitled to receive a deferred pension from his/her normal pension age.

Discount rate

This is used to place a present value on a future payment.

Fund Actuary

The actuary to the Fund, who provides actuarial advice to the Administering Authority including carrying out the actuarial valuation contained in this report.

Funding objective

To hold sufficient and appropriate assets to cover the Funding Target.

Funding ratio

This is the ratio of the value of assets to the Funding Target.

Funding Strategy Statement

A document prepared by the Administering Authority in accordance with the Regulations which sets out the funding strategy adopted for the Fund. The Fund Actuary must have regard to this statement in preparing this actuarial valuation.

Funding target

An assessment of the present value of the benefits that will be paid from the Fund in the future, normally based on pensionable service prior to the valuation date. Under the current Funding Strategy Statement the funding target is equal to the past service liabilities calculated using a prudent set of assumptions.

Future service contribution rate

The contribution rate (expressed as a percentage of Pensionable Pay) required to meet the cost of benefits which will accrue to members in future. This is also known as the primary contribution rate.

Guaranteed Minimum Pensions (GMPs)

Most Funds that were contracted out of the State Earnings Related Pension Scheme (SERPS) before April 1997 have to provide a pension for service before that date at least equal to the Guaranteed Minimum Pension (GMP). This is approximately equal to the SERPS pension that the member would have earned had the Fund not been contracted out. GMPs ceased to accrue on 6 April 1997 when the legislation changed.

Long-term cost efficiency

This is not defined in the Regulations but further explanation can be found in the Cipfa guidance 'Preparing and Maintaining a Funding Strategy Statement', dated September 2016:

The notes to the Public Service Pensions Act 2013 state:

Long-term cost-efficiency implies that the rate must not be set at a level that gives rise to additional costs. For example, deferring costs to the future would be likely to result in those costs being greater overall than if they were provided for at the time.

The rate of employer contributions shall be deemed to have been set at an appropriate level to ensure long-term cost efficiency if the rate of employer contributions is sufficient to make provision for the cost of current benefit accrual, with an appropriate adjustment to that rate for any surplus or deficit in the fund.

In assessing whether the above condition is met, GAD may have regard to the following considerations:

- the implied average deficit recovery period
- the investment return required to achieve full funding over different periods, e.g. the recovery period
- if there is no deficit, the extent to which contributions payable are likely to lead to a deficit arising in the future
- the extent to which the required investment return above is less than the administering authority's view of the expected future return being targeted by a fund's investment strategy, taking into account changes in maturity/strategy as appropriate

Orphan employer

This is an employer whose participation in the Fund may cease at some future point in time, after which it is expected that the Administering Authority will have no access to future contributions from that employer for the employer's liabilities in the Fund once any liability on exit has been paid. On exit the employer's liabilities will become 'orphan liabilities' in the Fund.

Ongoing orphan funding target

For active employers whose liabilities are expected to be orphaned on exit, the Administering Authority will have regard to the potential for participation to cease (or for the body to have no contributing members), the potential timing of such exit, and any likely change in notional or actual investment strategy as regards the assets held in respect of the body's liabilities at the date of exit (i.e. whether the liabilities will become 'orphaned' or a guarantor exists to subsume the notional assets and liabilities). This is known as the ongoing orphan funding target.

Typically employers which will ultimately give rise to Orphan liabilities will have a discount rate which is based on the yield on long-dated fixed interest gilts at a duration appropriate for the Fund's liabilities plus an asset out-performance assumption (typically this addition will be different when applied to liabilities in relation to members still in service and to those who have left service). The addition for the left service discount rate is intended to reflect the Fund Actuary's view of the possible future increase in gilt yields over a five year period, and is greater than market expectations of future increases at the valuation date.

Past service liabilities

This is the present value of the benefits to which members are entitled based on benefits accrued to the valuation date, assessed using the assumptions agreed between a Fund's Administering Authority and the Fund Actuary. It generally allows for projected future increases to pay or revaluation as appropriate through to retirement or date of leaving service.

Present value

Actuarial valuations involve projections of pay, pensions and other benefits into the future. To express the value of the projected benefits in terms of a cash amount at the valuation date, the projected amounts are discounted back to the valuation date by a discount rate. This value is known as the present value. For example, if the discount rate was 4% a year and if we had to pay a cash sum of £1,040 in one year's time the present value would be £1,000.

Primary Rate of the Employers' Contribution

This is not defined in the Regulations but further explanation can be found in the Cipfa guidance Preparing and Maintaining a Funding Strategy Statement, dated September 2016:

The primary rate for each employer is that employer's future service contribution rate, which is the contribution rate required to meet the cost of the future accrual of benefits, expressed as a percentage of pensionable pay, ignoring any past service surplus or deficit but allowing for any employer-specific circumstances, such as the membership profile of that employer, the funding strategy adopted for that employer (including any risk-sharing arrangements operated by the administering authority), the actuarial method chosen 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.

Projected unit method

One of the common methods used by actuaries to calculate a contribution rate to a Fund.

This method calculates the present value of the benefits expected to accrue to members over a control period (often one year) following the valuation date. The present value is usually expressed as a percentage of the members' pensionable pay. It allows for projected future increases to pay or revaluation as appropriate through to retirement or date of leaving service. Provided that the distribution of members remains stable with new members joining to take the place of older leavers, the contribution rate calculated can be expected to remain stable, if all the other assumptions are

borne out. If there are no new members however, the average age will increase and the contribution rate can be expected to rise.

Prudent

Prudent assumptions are such that the actual outcome is considered to be more likely to overstate than understate the amount of money actually required to meet the cost of the benefits.

Rates and Adjustments Certificate

A certificate required at each actuarial valuation by the Regulations, setting out the contributions payable by employers for the 3 years from the 1 April following the valuation date.

Recovery period

The period over which any surplus or shortfall is to be eliminated.

Recovery plan

Where a valuation shows a funding shortfall against the past service liabilities, a recovery plan sets out how the Administering Authority intends to meet the funding objective.

Regulations

The statutory regulations setting out the contributions payable to, and the benefits payable from, the Local Government Pension Scheme and how the Funds are to be administered. They currently include the following sets of regulations:

- | | |
|---|--|
| ▪ 1997 Regulations | Local Government Pension Scheme Regulations 1997 |
| ▪ Administration Regulations Regulations | Local Government Pension Scheme (Administration) 2008 |
| ▪ Benefits Regulations and | Local Government Pension Scheme (Benefits, Membership, Contributions) Regulations 2007 |
| ▪ Transitional Regulations 1997 | Local Government Pension Scheme (Transitional provisions) |
| ▪ 2013 Regulations | Local Government Pension Scheme Regulations 2013 |
| ▪ 2014 Transitional Regulations Savings | Local Government Pension Scheme (Transitional Provisions, and Amendment) Regulations 2014 |

Scheduled body

Bodies which participate in the Fund under Schedule 2 Part 1 of the 2013 Regulations.

Scheduled body / subsumption funding target

For secure Scheduled Bodies whose participation in the Fund is considered by the Administering Authority to be indefinite and Admission Bodies with a subsumption commitment from such Scheduled Bodies, the Administering Authority assumes indefinite investment in a broad range of assets of higher risk than risk free assets. This is known as the scheduled and subsumption body funding target.

Secondary rate of the employers' contribution

This is not defined in the Regulations but further explanation can be found in the Cipfa guidance 'Preparing and Maintaining a Funding Strategy Statement', dated September 2016:

The secondary rate is an adjustment to the primary rate to arrive at the rate each employer is required to pay. It may be expressed as a percentage adjustment to the primary rate, and/or a cash adjustment in each of the three years beginning with 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.

The Fund Actuary is required to also disclose the secondary rates for the whole scheme in each of the three years beginning with 1 April in the year following that in which the valuation date falls. These should be calculated as a weighted average based on the whole scheme payroll in respect of percentage rates and as a total amount in respect of cash adjustments. The purpose of this is to facilitate a single net rate of contributions expected to be received over each of the three years that can be readily compared with other rates and reconciled with actual receipts.

Shortfall

Where the assets are less than the Funding Target, the shortfall is the Funding Target less the value of assets.

Shortfall contributions

Additional contributions payable by employers to remove the shortfall by the end of the recovery period.

Solvency

This is not defined in the Regulations but further explanation can be found in the Cipfa guidance Preparing and Maintaining a Funding Strategy Statement, dated September 2016:

The notes to the Public Service Pensions Act 2013 state that solvency means that the rate of employer contributions should be set at "such level as to ensure that the scheme's liabilities can be met as they arise". It is not regarded that this means that the pension fund should be 100% funded at all times. Rather, and for the purposes of Section 13 of the Public Service Pensions Act 2013, the rate of employer contributions shall be deemed to have been set at an appropriate level to ensure solvency if:

- the rate of employer contributions is set to target a funding level for the whole fund (assets divided by liabilities) of 100% over an appropriate time period and using appropriate actuarial assumptions; and either
- employers collectively have the financial capacity to increase employer contributions, and/or the fund is able to realise contingent assets should future circumstances require, in order to continue to target a funding level of 100%; or
- there is an appropriate plan in place should there be, or if there is expected in future to be, no or a limited number of fund employers, or a material reduction in the capacity of fund employers to increase contributions as might be needed.

If the conditions above are met, then it is expected that the fund will be able to pay scheme benefits as they fall due.

State Pension Age (SPA)

Age at which State pensions are payable. Current legislation specifies the following ages:

- Currently age 65 for men; transitioning to age 65 for women by 2018.
- Current legislation transitions State Pension Age for both men and women to age 68 by 2046, as follows:
 - to age 66 by 2020
 - to age 67 by 2028
 - to age 68 by 2046

Strains

These represent the cost of additional benefits granted to members under a discretion of the employer or the Administering Authority. They include the cost of providing enhanced benefits on retirement or redundancy.

Subsumption and subsumption body

An employer who is not a secure long term Scheduled Body and where the Administering Authority has obtained an undertaking from a related employer that, if and when the employer exits the Fund, they will be a source of future funding should any funding shortfalls emerge on the original employer's liabilities after exit.

In this document the process of taking on the responsibility for future funding at the point of exit is known as 'subsumption' of an employer's liabilities. The employer whose liabilities will be (or are being) subsumed is referred to as a subsumption body.

Surplus

Where the assets are more than the Funding Target, the surplus is the value of assets less the Funding Target.

Transfer value

Members generally have a legal right to transfer their benefits to another pension arrangement before they retire. In taking a transfer, members give up their benefits in a fund, and a sum of money (called the transfer value) is paid into another approved pension fund. This is used to provide pension benefits on the terms offered in that fund.

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