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# Leicestershire County Council Pension Fund

Funding Strategy Statement

February 2019

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# 1 Introduction

## 1.1 What is this document?

This is the Funding Strategy Statement (FSS) of the Leicestershire County Council Pension Fund (“the Fund”), which is administered by Leicestershire County Council, (“the Administering Authority”).

It has been prepared by the Administering Authority in collaboration with the Fund’s actuary, Hymans Robertson LLP, and after consultation with the Fund’s employers and investment adviser. It is effective from 1<sup>st</sup> April 2019. This FSS supersedes the FSS in place from 1 January 2017.

## 1.2 What is the Leicestershire County Council Pension Fund?

The Fund is part of the national Local Government Pension Scheme (LGPS). The LGPS was set up by the UK Government to provide retirement and death benefits for local govern

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ment employees, and those employed in similar or related bodies, across the whole of the UK. The Administering Authority runs the Leicestershire County Council Pension Fund, in effect the LGPS for the Leicestershire area, to make sure it:

- receives the proper amount of contributions from employees and employers, and any transfer payments;
- invests the contributions appropriately, with the aim that the Fund’s assets grow over time with investment income and capital growth;
- uses the assets to pay Fund benefits to the members (as and when they retire, for the rest of their lives), and to their dependants (as and when members die), as defined in the LGPS Regulations. Assets are also used to pay transfer values and administration costs.

The roles and responsibilities of the key parties involved in the management of the Fund are summarised in [Appendix B](#).

## 1.3 Why does the Fund need a Funding Strategy Statement?

Employees’ benefits are guaranteed by the LGPS Regulations, and do not change with market values or employer contributions. Investment returns will help pay for some of the benefits, but probably not all, and certainly with no guarantee. Employees’ contributions are fixed in those Regulations also, at a level which covers only part of the cost of the benefits.

Therefore, employers need to pay the balance of the cost of delivering the benefits to members and their dependants.

The FSS focuses on how employer liabilities are measured, the pace at which these liabilities are funded, and how employers or pools of employers pay for their own liabilities. This statement sets out how the Administering Authority has balanced the conflicting aims of:

- affordability of employer contributions,
- transparency of processes,
- stability of employers’ contributions, and
- prudence in the funding basis.

There are also regulatory requirements for an FSS, as given in [Appendix A](#).

The FSS is a summary of the Fund's approach to funding its liabilities, and this includes reference to the Fund's other policies; it is not an exhaustive statement of policy on all issues. The FSS forms part of a framework of which includes:

- the LGPS Regulations;
- the Rates and Adjustments Certificate (confirming employer contribution rates for the next three years) which can be found in an appendix to the formal valuation report;
- the Fund's policies on admissions, cessations and bulk transfers;
- actuarial factors for valuing individual transfers, early retirement costs and the costs of buying added service; and
- the Fund's Investment Strategy Statement (see Section 4).

#### **1.4 How does the Fund and this FSS affect me?**

This depends who you are:

- a member of the Fund, i.e. a current or former employee, or a dependant: the Fund needs to be sure it is collecting and holding enough money so that your benefits are always paid in full;
- an employer in the Fund (or which is considering joining the Fund): you will want to know how your contributions are calculated from time to time, that these are fair by comparison to other employers in the Fund, and in what circumstances you might need to pay more. Note that the FSS applies to all employers participating in the Fund;
- an Elected Member whose council participates in the Fund: you will want to be sure that the council balances the need to hold prudent reserves for members' retirement and death benefits, with the other competing demands for council money;
- a Council Tax payer: your council seeks to strike the balance above, and also to minimise cross-subsidies between different generations of taxpayers.

#### **1.5 What does the FSS aim to do?**

The FSS sets out the objectives of the Fund's funding strategy, such as:

- to ensure the long-term solvency of the Fund, using a prudent long term view. This will ensure that sufficient funds are available to meet all members'/dependants' benefits as they fall due for payment;
- to ensure that employer contribution rates are reasonably stable where appropriate;
- to minimise the long-term cash contributions which employers need to pay to the Fund, by recognising the link between assets and liabilities and adopting an investment strategy which balances risk and return (**NB** this will also minimise the costs to be borne by Council Tax payers);
- to reflect the different characteristics of different employers in determining contribution rates. This involves the Fund having a clear and transparent funding strategy to demonstrate how each employer can best meet its own liabilities over future years; and
- to use reasonable measures to reduce the risk to other employers and ultimately to the Council Tax payer from an employer defaulting on its pension obligations.

#### **1.6 How do I find my way around this document?**

In [Section 2](#) there is a brief introduction to some of the main principles behind funding, i.e. deciding how much an employer should contribute to the Fund from time to time.

In [Section 3](#) we outline how the Fund calculates the contributions payable by different employers in different situations.

In [Section 4](#) we show how the funding strategy is linked with the Fund's investment strategy.

In the [Appendices](#) we cover various issues in more detail if you are interested:

- A. the regulatory background, including how and when the FSS is reviewed,
- B. who is responsible for what,
- C. what issues the Fund needs to monitor, and how it manages its risks,
- D. some more details about the actuarial calculations required,
- E. the assumptions which the Fund actuary currently makes about the future,
- F. a [glossary](#) explaining the technical terms occasionally used here.

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## 2 Basic Funding issues

(More detailed and extensive descriptions are given in [Appendix D](#)).

### 2.1 How does the actuary calculate the required employer contribution rate?

Employer contributions are normally made up of two elements:

- a) the estimated cost of benefits being built up each year, after deducting the members' own contributions and including administration expenses. This is referred to as the "*Primary rate*", and is expressed as a percentage of members' pensionable pay; plus
- b) an adjustment for the difference between the Primary rate above, and the actual contribution the employer needs to pay, referred to as the "*Secondary rate*". In broad terms, payment of the Secondary rate will aim to return the employer to full funding over an appropriate period (the "time horizon"). The Secondary rate may be expressed as a percentage of pay and/or a monetary amount in each year.

The rates for all employers are shown in the Fund's Rates and Adjustments Certificate, which forms part of the formal Actuarial Valuation Report. Employers' contributions are expressed as minima, with employers able to pay contributions at a higher rate. Account of any higher rate will be taken by the Fund actuary at subsequent valuations, i.e. will be reflected as a credit when next calculating the employer's contributions.

### 2.2 How is a deficit (or surplus) calculated?

An employer's "funding level" is defined as the ratio of:

- the market value of the employer's share of assets (see [Appendix D](#), section [D6](#), for further details of how this is calculated), to
- the value placed by the actuary on the benefits built up to date for the employer's employees and ex-employees (the "liabilities"). The Fund actuary agrees with the Administering Authority the assumptions to be used in calculating this value.

If this is less than 100% then it means the employer has a shortfall, which is the employer's deficit; if it is more than 100% then the employer is said to be in surplus. The amount of deficit or shortfall is the difference between the asset value and the liabilities value.

It is important to note that the deficit/surplus and funding level are only measurements at a particular point in time, on a particular set of assumptions about the future. Whilst we recognise that various parties will take an interest in these measures, for most employers the key issue is how likely it is that their contributions will be sufficient to pay for their members' benefits (when added to their existing asset share and anticipated investment returns).

In short, deficits and funding levels are short term measures, whereas contribution-setting is a longer term issue.

### 2.3 What else might affect the employer's contribution?

Employer covenant, and likely term of membership, are also considered when setting contributions: more details are given in [Section 3](#).

Leicestershire County Council Pension Fund will only allow pooled contribution rates (other than pass-through arrangements) in extreme circumstances, see [3.4](#).

Any costs of non ill-health early retirements must be paid by the employer, see [3.6](#).

If an employer is approaching the end of its participation in the Fund then its contributions may be amended appropriately, so that the assets meet (as closely as possible) the value of its liabilities in the Fund when its participation ends.

Employers' contributions are expressed as minima, with employers able to pay contributions at a higher rate. Account of the higher rate will be taken by the Fund Actuary at subsequent valuations.

#### 2.4 What different types of employer participate in the Fund?

Historically the LGPS was intended for local authority employees only. However over the years, with the diversification and changes to delivery of local services, many more types and numbers of employers now participate. There are currently more employers in the Fund than ever before, and a significant number of the newer employing bodies are academies.

In essence, participation in the LGPS is open to public sector employers providing some form of service to the local community. Whilst the majority of members will be local authority employees (and ex-employees), the majority of participating employers are those providing services in place of (or alongside) local authority services: academy schools, contractors, housing associations, charities, etc.

The LGPS Regulations define various types of employer as follows:

**Scheduled bodies** - councils, and other specified employers such as academies and further education establishments. These must provide access to the LGPS in respect of their employees who are not eligible to join another public sector scheme (such as the Teachers Scheme). These employers are so-called because they are specified in a schedule to the LGPS Regulations.

It is now possible for Local Education Authority schools to convert to academy status, and for other forms of school (such as Free Schools) to be established under the academies legislation. All such **academies (or Multi Academy Trusts)**, as employers of non-teaching staff, become separate new employers in the Fund. As academies are defined in the LGPS Regulations as "Scheduled Bodies", the Administering Authority has no discretion over whether to admit them to the Fund, and the academy has no discretion whether to continue to allow its non-teaching staff to join the Fund. There has also been guidance issued by the DCLG regarding the terms of academies' membership in LGPS Funds.

**Designating employers** - employers such as town and parish councils are able to participate in the LGPS via resolution (and the Fund cannot refuse them entry where the resolution is passed). These employers can designate which of their employees are eligible to join the scheme.

Other employers are able to participate in the Fund via an admission agreement, and are referred to as 'admission bodies'. These employers are generally those with a "community of interest" with another scheme employer – **community admission bodies** ("CAB") or those providing a service on behalf of a scheme employer – **transfreee admission bodies** ("TAB"). CABs will include housing associations and charities, TABs will generally be contractors. The Fund is able to set its criteria for participation by these employers and can refuse entry if the requirements as set out in the Fund's admissions policy are not met. (NB The terminology CAB and TAB has been dropped from recent LGPS Regulations, which instead combine both under the single term 'admission bodies'; however, we have retained the old terminology here as we consider it to be helpful in setting funding strategies for these different employers).

## 2.5 How does the Fund recognise that contribution levels can affect council and employer service provision, and council tax?

The Administering Authority and the Fund actuary are acutely aware that, all other things being equal, a higher contribution required to be paid to the Fund will mean less cash available for the employer to spend on the provision of services. For instance:

- Higher pension fund contributions may result in reduced council spending, which in turn could affect the resources available for council services, and/or greater pressure on council tax levels;
- Contributions which Academies pay to the Fund will therefore not be available to pay for providing education; and
- Other employers will provide various services to the local community, perhaps through charitable work, or contracting council services. If they are required to pay more in pension contributions to the LGPS then this may affect their ability to provide the local services at a reasonable cost.

Whilst all this is true, it should also be borne in mind that:

- The Fund provides invaluable financial security to local families, whether to those who formerly worked in the service of the local community who have now retired, or to their families after their death;
- The Fund must have the assets available to meet these retirement and death benefits, which in turn means that the various employers must each pay their own way. Lower contributions today will mean higher contributions tomorrow: deferring payments does not alter the employer's ultimate obligation to the Fund in respect of its current and former employees;
- Each employer will generally only pay for its own employees and ex-employees (and their dependants), not for those of other employers in the Fund;
- The Fund strives to maintain reasonably stable employer contribution rates where appropriate and possible. However, a recent shift in regulatory focus means that solvency within each generation is considered by the Government to be a higher priority than stability of contribution rates
- The Fund wishes to avoid the situation where an employer falls so far behind in managing its funding shortfall that its deficit becomes unmanageable in practice: such a situation may lead to employer insolvency and the resulting deficit falling on the other Fund employers. In that situation, those employers' services would in turn suffer as a result;
- Council contributions to the Fund should be at a suitable level, to protect the interests of different generations of council tax payers. For instance, underpayment of contributions for some years will need to be balanced by overpayment in other years; the council will wish to minimise the extent to which council tax payers in one period are in effect benefiting at the expense of those paying in a different period.

Overall, therefore, there is clearly a balance to be struck between the Fund's need for maintaining prudent funding levels, and the employers' need to allocate their resources appropriately. The Fund achieves this through various techniques which affect contribution increases to various degrees (see [3.1](#)). In deciding which of these techniques to apply to any given employer, the Fund will consider a risk assessment of that employer to include such information as the type of employer, its membership profile and funding position, any guarantors or security provision, material changes anticipated, etc. This helps the Fund establish a picture of the financial standing of the employer, i.e. its ability to meet its long term Fund commitments.

For instance, where an employer is considered relatively low risk then the Fund will permit greater smoothing (such as stabilisation or a longer deficit recovery period relative to other employers) which will temporarily produce lower contribution levels than would otherwise have applied. This is permitted in the expectation that the employer will still be able to meet its obligations for many years to come.

On the other hand, an employer whose risk assessment indicates a less strong covenant will generally be required to pay higher contributions (for instance, with a more prudent funding basis or a shorter deficit recovery period relative to other employers). This is because of the higher probability that at some point it will fail or be unable to meet its pension contributions, with its deficit in the Fund then falling to other Fund employers.

The Fund actively seeks employer input, including to its funding arrangements, through various means: see [Appendix A](#).

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## 3 Calculating contributions for individual Employers

### 3.1 General comments

A key challenge for the Administering Authority is to balance the need for stable, affordable employer contributions with the requirement to take a prudent, longer-term view of funding and ensure the solvency of the Fund. With this in mind, there are a number of methods which the Administering Authority may permit, in order to improve the stability of employer contributions. These include, where circumstances permit:-

- capping of employer contribution rate changes within a pre-determined range (“stabilisation”)
- the use of extended deficit recovery periods
- the phasing in of contribution rises
- the use of some form of security or guarantee to justify a lower contribution rate than would otherwise be the case.

These and associated issues are covered in this Section.

The Administering Authority recognises that there may occasionally be particular circumstances affecting individual employers that are not easily managed within the rules and policies set out in the Funding Strategy Statement. Therefore the Administering Authority may, at its sole discretion, direct the actuary to adopt alternative funding approaches on a case by case basis for specific employers.

### 3.2 The effect of paying contributions below the theoretical level

Employers which are permitted to use one or more of the above methods will often be paying, for a time, contributions less than the theoretical contribution rate. Such employers should appreciate that:

- their true long term liability (i.e. the actual eventual cost of benefits payable to their employees and ex-employees) is not affected by the choice of method,
- lower contributions in the short term will be assumed to incur a greater loss of investment returns on the deficit. Thus, deferring a certain amount of contribution will lead to higher contributions in the long-term, and
- it will take longer to reach full funding, all other things being equal.

Overleaf [\(3.3\)](#) is a summary of how the main funding policies differ for different types of employer, followed by more detailed notes where necessary.

[Section 3.4](#) onwards deals with various other funding issues which apply to all employers.

**3.3 The different approaches used for different employers**

Type of employer	Scheduled Bodies			Community Admission Bodies and Designating Employers (including Parish/Town Councils)		Transferee Admission Bodies
Sub-type	Local Authorities (except Parish/Town Councils)	Police, Fire, Colleges etc	Academies	Open to new entrants	Closed to new entrants	(all)
Basis used	Ongoing, assumes long-term Fund participation (see <a href="#">Appendix E</a> )			Ongoing, but may move to "gilts basis" - see <a href="#">Note (a)</a>		Ongoing, assumes fixed contract term in the Fund (see <a href="#">Appendix E</a> )
Primary Contribution rate	Projected Unit Credit approach (see <a href="#">Appendix D – D.2</a> )			Attained Age approach (see <a href="#">Appendix D – D.2</a> )		Attained Age approach, unless open to new membership (see <a href="#">Appendix D – D.2</a> )
Stabilised contribution rate?	Yes - see <a href="#">Note (b)</a>	Yes - see <a href="#">Note (b)</a>	Yes - see <a href="#">Note (b)</a>	No, except Parish/Town Councils	No, except Parish/Town Councils	No
Maximum deficit recovery period – Note (c)	20 years	20 years	20 years	17 years	15 years	Outstanding contract term
Deficit recovery payments – Note (d)	% of payroll / monetary amount	% of payroll / monetary amount	% of payroll	% of payroll	% of payroll/monetary amount	% of payroll/monetary amount depending on circumstances
Treatment of surplus	Covered by stabilisation arrangement	Covered by stabilisation arrangement	Covered by stabilisation arrangement	Preferred approach: contributions kept at Primary contribution rate. However, reductions may be permitted by the Admin. Authority		Reduce contributions by spreading the surplus over the remaining contract term
Phasing of contribution changes	Covered by stabilisation arrangement	Covered by stabilisation arrangement	Linked to previous education authority rate	3 years - <a href="#">Note (e)</a>	3 years - <a href="#">Note (e)</a>	None, unless increases are particularly large
Review of rates – Note (f)	Administering Authority reserves the right to review contribution rates and amounts, and the level of security provided, at regular intervals between valuations					Particularly reviewed in last 3 years of contract
New employer	n/a	n/a	<a href="#">Note (g)</a>	<a href="#">Note (h)</a>		<a href="#">Notes (h) &amp; (i)</a>
Cessation of participation: cessation surplus or debt payable	Cessation is assumed not to be generally possible, as Scheduled Bodies are legally obliged to participate in the LGPS. In the rare event of cessation occurring (machinery of Government changes for example), the cessation principles applied would be as per <a href="#">Note (i)</a> .			Can be ceased subject to terms of admission agreement. Cessation surplus or debt will be calculated on a basis appropriate to the circumstances of cessation – see <a href="#">Note (i)</a> .		Participation is assumed to expire at the end of the contract. Cessation surplus or debt calculated on ongoing basis, unless cessation is caused by deliberate action taken by the employer. Awarding Authority will be liable for future deficits that arise.

**Note (a)** (Basis for CABs and Designating Employers closed to new entrants)

In the circumstances where:

- the employer is a Designating Employer, or an Admission Body but not a Transferee Admission Body, and
- the employer has no guarantor, and
- the admission agreement is likely to terminate, or the employer is likely to lose its last active member, within a timeframe considered appropriate by the Administering Authority to prompt a change in funding,

the Administering Authority may vary the discount rate used to set employer contribution rate. In particular contributions may be set for an employer to achieve full funding on a more prudent basis (e.g. using a discount rate set equal to gilt yields) by the time the agreement terminates or the last active member leaves, in order to protect other employers in the Fund. This policy will increase regular contributions and reduce, but not entirely eliminate, the possibility of a final deficit payment being required from the employer when a cessation valuation is carried out.

The Administering Authority also reserves the right to adopt the above approach in respect of those Designating Employers and Admission Bodies with no guarantor, where the strength of covenant is considered to be weak but there is no immediate expectation that the admission agreement will cease or the Designating Employer alters its designation.

**Note (b)** (Stabilisation)

Stabilisation is a mechanism where employer contribution rate variations from year to year are kept within a pre-determined range, thus allowing those employers' rates to be relatively stable. In the interests of stability and affordability of employer contributions, the Administering Authority, on the advice of the Fund Actuary, believes that stabilising contributions can still be viewed as a prudent longer-term approach. However, employers whose contribution rates have been "stabilised" (and may therefore be paying less than their theoretical contribution rate) should be aware of the risks of this approach and should consider making additional payments to the Fund if possible.

This stabilisation mechanism allows short term investment market volatility to be managed so as not to cause volatility in employer contribution rates, on the basis that a long term view can be taken on net cash inflow, investment returns and strength of employer covenant.

The current stabilisation mechanism applies if:

- the employer satisfies the eligibility criteria based on tax raising status, financial security and time horizon in the Fund set by the Administering Authority and;
- there are no material events which cause the employer to become ineligible, e.g. significant reductions in active membership (due to outsourcing or redundancies), or changes in the nature of the employer (perhaps due to Government restructuring).

Type of employer	“Standard” Council	Parish Council	Academy*	Other
Max cont increase	+2% of pay	+3% of pay	+2% of pay	N/A
Max cont decrease	-1% of pay	-1% of pay	-1% of pay	-1% of pay

\*please note that for the period 1/4/17 – 31/3/20 academy rates are linked to those rates in payment of the respective education authority the academy used to belong to, subject to their being no reduction from the rate payable at 31/3/17. For the majority of academies their rate will be exactly in line with their former education authority, although for a handful there was no increase required from the rate they were paying at 31/3/17. For a small number an increase of 1% p.a. (which would have tied in with the increase of their former education authority) was insufficient to get them within an acceptable level of their full required rate, so their increases were set at 2% p.a.

For the avoidance of doubt, academies will fit into one of the following ‘brackets’ for the three years commencing 1<sup>st</sup> April 2017. The rates are quoted RELATIVE to their former education authority:

Period	Academies requiring no increase	Academies following the contribution rate of former LEA	Academies requiring higher increases
1/4/17 – 31/3/18	-1%	0%	+1%
1/4/18 – 31/3/19	-2%	0%	+1%
1/4/19 – 31/3/20	-3%	0%	+1%

The stabilisation criteria and limits will be reviewed at the 31 March 2019 valuation, to take effect from 1 April 2020. This will take into account the employer’s membership profiles, the issues surrounding employer security, and other relevant factors.

#### Note (c) (Deficit Recovery Periods)

The deficit recovery period starts at the commencement of the revised contribution rate (1 April 2017 for the 2016 valuation). The Administering Authority would normally expect the same period to be used at successive triennial valuations (for open employers), but would reserve the right to propose alternative spreading periods, for example where there were no new entrants.

Where stabilisation applies, the resulting employer contribution rate would be amended to comply with the stabilisation mechanism.

For employers with no (or very few) active members at this valuation, the deficit should be recovered by a fixed monetary amount over a period to be agreed with the body or its successor, not to exceed the expected future working lifetime of active members.

#### Note (d) (Deficit Recovery Payments)

The preferred method of the actuary is to collect contributions on the basis of a percentage of payroll to cover the cost of future service, with an additional cash sum to cover deficit recovery payments. There are a number of employing bodies for whom this method is impractical, so in reality only the following types of employer will be required to make any contribution that will be included in the actuarial certificate as a monetary amount:

Tax-raising bodies (except those that are education authorities or Parish/Town Councils. Ashby Town Council will, however, be required to make a contribution as a monetary amount);

Universities;

Community Admission Bodies that are closed to new entrants (except Voluntary Action Leicester, who will instead be subject to a minimum cash sum in employers' contributions);

Transferee admission bodies whose sub-fund was in deficit at 31/3/16.

For the majority of employers where stabilisation is not being applied, the deficit recovery payments for each employer covering the three year period until the next valuation will often be set as a percentage of salaries. However, the Administering Authority reserves the right to amend these rates between valuations and/or to require these payments in monetary terms instead, for instance where:

- the employer is relatively mature, i.e. has a large deficit recovery contribution rate (e.g. above 15% of payroll), in other words its payroll is a smaller proportion of its deficit than is the case for most other employers, or
- there has been a significant reduction in payroll due to outsourcing or redundancy exercises, or
- the employer has closed the Fund to new entrants.

**Note (e)** (Phasing in of contribution changes)

All phasing is subject to the Administering Authority being satisfied as to the strength of the employer's covenant.

**Note (f)** (Regular Reviews)

Such reviews may be triggered by significant events including but not limited to: an employer approaching exit from the Fund, significant reductions in payroll, altered employer circumstances, Government restructuring affecting the employer's business, or failure to pay contributions or arrange appropriate security as required by the Administering Authority.

The result of a review may be to require increased contributions (by strengthening the actuarial assumptions adopted and/or moving to monetary levels of deficit recovery contributions), and/or an increased level of security or guarantee.

**Note (g)** (New Academy employers)

At the time of writing, the Fund's policies on academies' funding issues are as follows:

- a) The new academy will be regarded as a separate employer in its own right and will not be pooled with other employers in the Fund. The only exception is where the academy is part of a Multi Academy Trust (MAT) in which case the academy's figures will be calculated as below but can be combined with those of the other academies in the MAT;
- b) The new academy's past service liabilities on conversion will be calculated based on its active Fund members on the day before conversion. For the avoidance of doubt, these liabilities will include all past service of those members, but will exclude the liabilities relating to any ex-employees of the school who have deferred or pensioner status;
- c) The new academy will be allocated an initial asset share from the ceding council's assets in the Fund. This asset share will be calculated using the estimated funding position of the ceding council at the date

of academy conversion. The share will be based on the active members' funding level, having first allocated assets in the council's share to fully fund deferred and pensioner members. The asset allocation will be based on market conditions and the academy's active Fund membership on the day prior to conversion. For academy conversions effective from 1 December 2018 or later, the initial asset allocation, from the ceding council's assets, will be based on the 2016 formal valuation;

- d) The academy will pay contributions initially in line with the rate payable by their former education authority, unless they become part of a Multi Academy Trust that crosses education authority boundaries. In these cases the rate will be determined in the most appropriate manner to the circumstances, but it will be in line with the rate of one of the relevant education authorities and all establishments within the City, County or Rutland that are part of the same MAT will have the same contribution rate. Ultimately, all academies remain responsible for their own allocated deficit.

The Fund's policies on academies are subject to change in the light of any amendments to DCLG guidance. Any changes will be notified to academies, and will be reflected in a subsequent version of this FSS. In particular, policy (d) above will be reconsidered at each valuation.

In the future it is likely that the linking of the contribution rates payable by academies to their former local education authority will become inconsistent with the setting of contribution rates that are relevant to the circumstances of individual academies. It is, however, considered likely that there will be groups of academies that will pay the same rate as this is administratively simpler than having (potentially) hundreds of slightly different contribution rates. Paying the same contribution rates is NOT the same as pooling, and there will be no cross-subsidy caused by this policy.

**Note (h)** (New Admission Bodies)

With effect from 1 October 2012, the LGPS 2012 Miscellaneous Regulations introduced mandatory new requirements for all Admission Bodies brought into the Fund from that date. Under these Regulations, all new Admission Bodies will be required to provide some form of security, such as a guarantee from the letting employer, an indemnity or a bond. The security is required to cover some or all of the following:

- the strain cost of any redundancy early retirements resulting from the premature termination of the contract;
- allowance for the risk of asset underperformance;
- allowance for the risk of a fall in gilt yields;
- allowance for the possible non-payment of employer and member contributions to the Fund;
- the current deficit.

For all new Transferee Admission Bodies, the security must be to the satisfaction of the Administering Authority as well as the letting employer, and will be reassessed on an annual basis.

The Administering Authority will only consider requests from Community Admission Bodies (or other similar bodies, such as section 75 NHS partnerships) to join the Fund if they are sponsored by a Scheduled Body with tax raising powers, guaranteeing their liabilities and also providing a form of security as above.

The above approaches reduce the risk to other employers in the Fund, of potentially having to pick up any shortfall in respect of Admission Bodies ceasing with an unpaid deficit.

**Note (i)** (New Transferee Admission Bodies)

A new TAB usually joins the Fund as a result of the letting/outsourcing of some services from an existing employer (normally a Scheduled Body such as a council or academy) to another organisation (a “contractor”). This involves the TUPE transfer of some staff from the letting employer to the contractor. Consequently, for the duration of the contract, the contractor is a new participating employer in the Fund so that the transferring employees maintain their eligibility for LGPS membership. At the end of the contract the employees revert to the letting employer or to a replacement contractor.

Historically, the TAB would be set up in the Fund as a new employer with responsibility for all the accrued benefits of the transferring employees; in this case, the contractor would usually be assigned an initial asset value equal to the past service liability value of the employees’ Fund benefits. The quid pro quo is that the contractor is then expected to ensure that its share of the Fund is also fully funded at the end of the contract: see [Note \(j\)](#).

From a suitable date in future, the Fund’s policy is that new outsourcings are set up under a “pass through” arrangement (although exceptions will be considered on a case-by-case basis at the Fund’s discretion). Pass through arrangements allow for the pension risks to be shared between the letting employer and new contractor. Typically the majority of the pension risk is borne by the letting employer and thus the liability is retained on their balance sheet – as such the contractor would not be required to pay any deficit or receive any surplus at the end of the contract (subject to any agreed exceptions). However, there is some flexibility within a pass through arrangement. In particular there are three different routes that the letting employer may wish to adopt. Clearly as the risk ultimately resides with the employer letting the contract, it is for them to agree the appropriate route with the contractor:

i) Pooling

Under this option the contractor is pooled with the letting employer. In this case, the contractor pays the same or similar rate as the letting employer.

ii) Letting employer retains pre-contract risks

Under this option the letting employer would retain responsibility for assets and liabilities in respect of service accrued prior to the contract commencement date. The contractor would be responsible for the future liabilities that accrue in respect of transferred staff. The contractor’s contribution rate could vary from one valuation to the next. It would be liable for any deficit, or be paid any surplus at the end of the contract term in respect of assets and liabilities attributable to service accrued during the contract term and actions wholly attributable to the new employer for example excessive pay awards.

iii) Fixed contribution rate agreed

Under this option the contractor pays a fixed contribution rate and doesn’t pay any cessation deficit or receive any surplus at the end of the contract term.

Although each matter will be dealt with on a case by case basis the Administering Authority default position is pooling with any surplus or deficit passing back to the letting employer. The Admission Agreement as well as the transfer agreement reflects this. The Admission Agreement should ensure that some element of risk transfers to the contractor where it relates to their decisions and it is unfair to burden the letting employer with that risk. For example the contractor should typically be responsible for pension costs that arise from;

- above average pay increases, including the effect in respect of service prior to contract commencement even if the letting employer takes on responsibility for the latter under (ii) above;
- redundancy and early retirement decisions.

Employers which outsource should be aware that all actuarial costs relating to the outsourcing (which will include any work that is required at the end of a contract) will be charged to either the outsourcing employer or the contractor, and will NOT be met by the Fund. The exception will be the setting of employer contribution rates as part of a normal actuarial valuation, where the Fund pays actuarial fees as the work covers all employing bodies.

**Note (j)** (Admission Bodies Ceasing)

Notwithstanding the provisions of the Admission Agreement, the Administering Authority may consider any of the following as triggers for the cessation of an admission agreement with any type of body:

- Last active member ceasing participation in the Fund;
- The insolvency, winding up or liquidation of the Admission Body;
- Any breach by the Admission Body of any of its obligations under the Agreement that they have failed to remedy to the satisfaction of the Fund;
- A failure by the Admission Body to pay any sums due to the Fund within the period required by the Fund;  
or
- The failure by the Admission Body to renew or adjust the level of the bond or indemnity, or to confirm an appropriate alternative guarantor, as required by the Fund.
- The failure by the Admission Body to sign the admission agreement and/or bond documents and secure the required guarantee as required by the Fund.

On cessation, the Administering Authority will instruct the Fund actuary to carry out a cessation valuation to determine whether there is any deficit or surplus. Where there is a deficit, payment of this amount in full would normally be sought from the Admission Body; where there is a surplus an exit credit will be paid to the Admission Body within three months of the cessation date (or another date agreed between the Administering Authority and the the Admission Body).

For Transferee Admission Bodies any cessation valuation would normally be carried out on an on-going basis, as this will be the basis on which their opening position was calculated. Where a Transferee Admission Body has taken, in the view of the Administering Authority, action that has been deliberately designed to bring about a cessation event (stopping future accrual of LGPS benefits, for example) then the cessation valuation will be carried out on a gilts basis.

Any cessation valuation, whether carried out on an on-going or a gilts basis, will calculate the surplus or deficit at the point of the cessation and full payment of any deficit amount will release the Transferee Admission Body from any further liability to the Fund. In the event that the sub-fund of the Transferee Admission Body subsequently falls into a deficit position, the outsourcing organisation will become responsible for the deficit even if they did not act as a guarantor for the admission agreement. At no stage will the Fund, and hence all ongoing employing bodies within it, bear any financial risk in respect of any Transferee Admission Body.

For non-Transferee Admission Bodies whose participation is voluntarily ended either by themselves or the Fund, or where a cessation event has been triggered, the Administering Authority must look to protect the interests of other ongoing employers. The actuary will therefore adopt an approach which, to the extent reasonably practicable, protects the other employers from the likelihood of any material loss emerging in future:

- a) Where there is a guarantor for future deficits and contributions, the cessation valuation will normally be calculated using the ongoing basis as described in [Appendix E](#);

- b) Alternatively, it may be possible to simply transfer the former Admission Body's liabilities and assets to the guarantor, without needing to crystallise any deficit. This approach may be adopted where the employer cannot pay the contributions due, and this is within the terms of the guarantee;
- c) Where a guarantor does not exist then, in order to protect other employers in the Fund, the cessation liabilities and final deficit (or surplus) will normally be calculated using a "gilts cessation basis", which is more prudent than the ongoing basis. This has no allowance for potential future investment outperformance above gilt yields, and has added allowance for future improvements in life expectancy. This could give rise to significant cessation debts being required and makes it unlikely that any surplus would be paid to the employer.

Under (a) and (c), any shortfall would usually be levied on the departing Admission Body as a single lump sum payment. If this is not possible then the Fund would look to any bond, indemnity or guarantee in place for the employer.

In the event that the Fund is not able to recover the required payment in full, then the unpaid amounts fall to be shared amongst all of the other employers in the Fund. This may require an immediate revision to the Rates and Adjustments Certificate affecting other employers in the Fund, or instead be reflected in the contribution rates set at the next formal valuation following the cessation date

As an alternative, where the ceasing Admission Body (whether a Transferee Admission Body or a Community Admission Body) is continuing in business, the Fund at its absolute discretion reserves the right to enter into an agreement with the ceasing Admission Body. Under this agreement the Fund would accept an appropriate alternative security to be held against any deficit, and would carry out the cessation valuation on an ongoing basis: deficit recovery payments would be derived from this cessation debt. This approach would be monitored as part of each triennial valuation: the Fund reserves the right to revert to a "gilts cessation basis" and seek immediate payment of any funding shortfall identified. The Administering Authority may need to seek legal advice in such cases, as the Body would have no contributing members.

### **3.4 Pooled contributions**

The Administering Authority will only allow employer pools to be set up if it legally required (perhaps as a result of LGPS Regulations) or where a request is received from a group of employers that they wish to become a pool.

Even if such a request is received, the Administering Authority will only agree to an employer pool if it is satisfied that the relevant employers have adequately considered the consequences of the pool and that there is a legal agreement in place which makes it impossible for the pool to be dissolved without the agreement of all parties, which will include an agreement on how the assets and liabilities will be split upon dissolution. Allowing pooling is entirely at the discretion of the Administering Authority.

Maintained schools do not have a separate legal identity so are not pooled with the relevant local authority; they are part-and-parcel of it. However there may be exceptions for specialist or independent schools.

Those employers which have been pooled are identified in the Rates and Adjustments Certificate.

### **3.5 Additional flexibility in return for added security**

The Administering Authority may permit greater flexibility to the employer's contributions if the employer provides added security to the satisfaction of the Administering Authority.

Such flexibility includes a reduced rate of contribution, an extended deficit recovery period, or permission to join a pool with another body (e.g. the Local Authority).

Such security may include, but is not limited to, a suitable bond, a legally-binding guarantee from an appropriate third party, or security over an employer asset of sufficient value.

The degree of flexibility given may take into account factors such as:

- the extent of the employer's deficit;
- the amount and quality of the security offered;
- the employer's financial security and business plan;
- whether the admission agreement is likely to be open or closed to new entrants.

### **3.6 Non ill health early retirement costs**

It is assumed that members' benefits are payable from the earliest age that the employee could retire without incurring a reduction to their benefit (and without requiring their employer's consent to retire). (**NB** the relevant age may be different for different periods of service, following the benefit changes from April 2008 and April 2014). Employers are required to pay additional contributions ('strain' or 'capitalised costs') wherever an employee retires before attaining this age. The actuary's funding basis makes no allowance for premature retirement except on grounds of ill-health.

For any early retirements that occur after 31/3/17, and where the Administering Authority had not previously agreed to payment in instalments, all costs must be met by way of a single payment in the year of retirement.

### **3.7 Ill health early retirement costs**

Each employer has an 'ill health allowance' built into the full contribution rate that is set at each actuarial valuation. If an employer decides to insure against the risk of ill-health retirements there will be a reduction to the employer's contribution rate that is the equivalent of the insurance premium rate.

The Administering Authority receives a cash figure from the actuary for the cost of ill-health retirements that is built into each employer's contribution rate for the three years covered by the actuarial valuation (i.e. for the period 1/4/17 – 31/3/20 for the 2016 valuation). Where an employer does not take out ill-health insurance, they will be invoiced for any cumulative ill-health retirement costs over the three year period that are above their allowance.

### **3.8 Ill health insurance**

If an employer provides satisfactory evidence to the Administering Authority of a current insurance policy covering ill health early retirement strains, then:

- the employer's contribution to the Fund each year is reduced by the amount of that year's insurance premium, so that the total contribution is unchanged, and
- there is no need for monitoring of allowances.

The employer must keep the Administering Authority notified of any changes in the insurance policy's coverage or premium terms, or if the policy is ceased.

### **3.9 Employers with no remaining active members**

In general an employer ceasing in the Fund, due to the departure of the last active member, will pay a cessation debt or receive an exit credit on an appropriate basis (see [3.3, Note \(j\)](#)) and consequently have no further obligation to the Fund. Thereafter it is expected that one of two situations will eventually arise:

- a) The employer's asset share runs out before all its ex-employees' benefits have been paid. If this employer was a former Transferee Admission Body, the outsourcing employer will become responsible

for any deficit (even if they did not act as a guarantor within the admission agreement). If the employer was not a Transferee Admission Body the other Fund employers will be required to contribute to pay all remaining benefits: this will be done by the Fund actuary apportioning the remaining liabilities on a pro-rata basis at successive formal valuations, but it should be noted that all surpluses in respect of non-Transferee Admission Bodies will be netted off any deficits so that it is only the net deficit position that will be apportioned;

- b) The last ex-employee or dependant dies before the employer's asset share has been fully utilised. If this employer was a former Transferee Admission Body, the outsourcing employer will receive the benefit of the surplus (even if they did not act as a guarantor within the admission agreement). If the employer was not a Transferee Admission Body, any surplus will be netted off the deficit of similar types of employers as described in 3.9 a). In the event that the net position is a surplus the net surplus will be apportioned;

In exceptional circumstances the Fund may permit an employer with no remaining active members and a cessation debt to continue contributing to the Fund, as opposed to paying a cessation deficit amount. This would require the provision of a suitable security or guarantee, as well as a written ongoing commitment to fund the remainder of the employer's obligations over an appropriate period. The Fund would reserve the right to invoke the cessation requirements in the future, however. The Administering Authority may need to seek legal advice in such cases, as the employer would have no contributing members.

### **3.10 Policies on bulk transfers**

Each case will be treated on its own merits, but in general:

- The Fund will not pay bulk transfers greater than the lesser of (a) the asset share of the transferring employer in the Fund, and (b) the value of the past service liabilities of the transferring members;
- The Fund will not grant added benefits to members bringing in entitlements from another Fund unless the asset transfer is sufficient to meet the added liabilities;
- The Fund may permit shortfalls to arise on bulk transfers if the Fund employer has suitable strength of covenant and commits to meeting that shortfall in an appropriate period. This may require the employer's Fund contributions to increase between valuations.

## 4 Funding strategy and links to investment strategy

### 4.1 What is the Fund's investment strategy?

The Fund has built up assets over the years, and continues to receive contribution and other income. All of this must be invested in a suitable manner, which is the investment strategy.

Investment strategy is set by the Local Pension Committee of Leicestershire County Council, after taking investment advice. The precise mix, manager make up and target returns are set out in the Investment Strategy Statement (ISS), which is available to members and employers.

The investment strategy is set for the long-term, but is reviewed annually. The Fund's liability profile is one of the considerations taken into account when setting investment strategy.

The same investment strategy is currently followed for all employers.

### 4.2 What is the link between funding strategy and investment strategy?

The Fund must be able to meet all benefit payments as and when they fall due. These payments will be met by contributions (resulting from the funding strategy) or asset returns and income (resulting from the investment strategy). To the extent that investment returns or income fall short, then higher cash contributions are required from employers, and vice versa.

Therefore, the funding and investment strategies are inextricably linked.

### 4.3 How does the funding strategy reflect the Fund's investment strategy?

In the opinion of the Fund actuary, the current funding policy is consistent with the current investment strategy of the Fund. The asset outperformance assumption contained in the discount rate (see Appendix [E3](#)) is within a range that would be considered acceptable for funding purposes; it is also considered to be consistent with the requirement to take a "prudent longer-term view" of the funding of liabilities as required by the UK Government (see Appendix [A1](#)).

However, in the short term – such as the three yearly assessments at formal valuations – there is the scope for considerable volatility and there is a material chance that in the short-term and even medium term, asset returns will fall short of this target. The stability measures described in [Section 3](#) will damp down, but not remove, the effect on employers' contributions.

The Fund does not hold a contingency reserve to protect it against the volatility of equity investments.

### 4.4 How does this differ for a large stable employer?

The Actuary has developed four key measures which capture the essence of the Fund's strategies, both funding and investment:

- Prudence - the Fund should have a reasonable expectation of being fully funded in the long term;
- Affordability – how much can employers afford;
- Stewardship – the assumptions used should be sustainable in the long term, without having to resort to overly optimistic assumptions about the future to maintain an apparently healthy funding position; and
- Stability – employers should not see significant moves in their contribution rates from one year to the next, and this will help to provide a more stable budgeting environment.

The key problem is that the key objectives often conflict. For example, minimising the long term cost of the scheme (i.e. keeping employer rates affordable) is best achieved by investing in higher returning assets e.g.

equities. However, equities are also very volatile (i.e. go up and down frequently, and often in fairly large moves), which conflicts with the objective to have stable contribution rates.

Therefore a balance needs to be maintained between risk and reward, which has been considered by the use of Asset Liability Modelling: this is a set of calculation techniques applied by the Fund's actuary, to model the range of potential future solvency levels and contribution rates.

The Actuary was able to model the impact of these four key areas, for the purpose of setting a stabilisation approach (see [3.3 Note \(b\)](#)). The modelling demonstrated that retaining the present investment strategy, coupled with constraining employer contribution rate changes as described in [3.3 Note \(b\)](#), struck an appropriate balance between the above objectives. In particular the stabilisation approach currently adopted meets the need for stability of contributions without jeopardising the Administering Authority's aims of prudent stewardship of the Fund.

Whilst the current stabilisation mechanism is to remain in place until 2020, it should be noted that this will need to be reviewed following the 2019 valuation.

#### **4.5 Does the Fund monitor its overall funding position?**

The Administering Authority monitors the relative funding position, i.e. changes in the relationship between asset values and the liabilities value, quarterly. It reports this to the regular Local Pension Committee meetings.

## 5 Statutory reporting and comparison to other LGPS Funds

### 5.1 Purpose

Under Section 13(4)(c) of the Public Service Pensions Act 2013 (“Section 13”), the Government Actuary’s Department must, following each triennial actuarial valuation, report to the Department of Communities & Local Government (DCLG) on each of the LGPS Funds in England & Wales. This report will cover whether, for each Fund, the rate of employer contributions are set at an appropriate level to ensure both the solvency and the long term cost efficiency of the Fund.

This additional DCLG oversight may have an impact on the strategy for setting contribution rates at future valuations.

### 5.2 Solvency

For the purposes of Section 13, the rate of employer contributions shall be deemed to have been set at an appropriate level to ensure solvency if:

- (a) the rate of employer contributions is set to target a funding level for the Fund of 100%, over an appropriate time period and using appropriate actuarial assumptions (where appropriateness is considered in both absolute and relative terms in comparison with other funds); and either
- (b) 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
- (c) there is an appropriate plan in place should there be, or if there is expected in future to be, a material reduction in the capacity of fund employers to increase contributions as might be needed.

### 5.3 Long Term Cost Efficiency

The rate of employer contributions shall be deemed to have been set at an appropriate level to ensure long term cost efficiency if:

- i. the rate of employer contributions is sufficient to make provision for the cost of current benefit accrual,
- ii. with an appropriate adjustment to that rate for any surplus or deficit in the Fund.

In assessing whether the above condition is met, DCLG may have regard to various absolute and relative considerations. A relative consideration is primarily concerned with comparing LGPS pension funds with other LGPS pension funds. An absolute consideration is primarily concerned with comparing Funds with a given objective benchmark.

Relative considerations include:

1. the implied deficit recovery period; and
2. the investment return required to achieve full funding after 20 years.

## Appendix A – Regulatory framework

### A1 Why does the Fund need an FSS?

The Department for Communities and Local Government (DCLG) has stated that the purpose of the FSS 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 regulatory framework to maintain **as nearly constant employer contribution rates as possible**; and*
- *to take a **prudent longer-term view** of funding those liabilities.”*

These objectives are desirable individually, but may be mutually conflicting.

The requirement to maintain and publish a FSS is contained in LGPS Regulations which are updated from time to time. In publishing the FSS the Administering Authority has to have regard to any guidance published by Chartered Institute of Public Finance and Accountancy (CIPFA) (most recently in 2016) and to its Investment Strategy Statement (ISS).

This is the framework within which the Fund’s actuary carries out triennial valuations to set employers’ contributions and provides recommendations to the Administering Authority when other funding decisions are required, such as when employers join or leave the Fund. The FSS applies to all employers participating in the Fund.

### A2 Does the Administering Authority consult anyone on the FSS?

Yes. This is required by LGPS Regulations. It is covered in more detail by the most recent CIPFA guidance, which states that the FSS must first be subject to “consultation with such persons as the authority considers appropriate”, and should include “a meaningful dialogue at officer and elected member level with council tax raising authorities and with corresponding representatives of other participating employers”.

In practice, for the Fund, the consultation process for this FSS is as follows:

- a) A draft version of the FSS was presented to the Local Pension Committee on the 9 November 2018 for initial comment;
- b) The draft version of the FSS was issued to all participating employers in November 2018 for comment;
- c) Comments from employers were requested before 1 February 2019, so that they could be reflected in a report to the Local Pension Committee on 15 February 2019 prior to their final approval of the FSS;
- d) Following the approval of the FSS by the Local Pension Committee it became effective from 1<sup>st</sup> April 2019.,

### A3 How is the FSS published?

The FSS is made available through the following routes:

- Published on the website, at <http://www.leics.gov.uk/pensions>;
- A copy sent by email to each participating employer in the Fund;
- Copies made available on request.

**A4 How often is the FSS reviewed?**

The FSS is reviewed in detail at least every three years as part of the triennial valuation. This version is expected to remain unaltered until it is consulted upon as part of the formal process for the next valuation in 2019.

It is possible that (usually slight) amendments may be needed within the three year period. These would be needed to reflect any regulatory changes, or alterations to the way the Fund operates (e.g. to accommodate a new class of employer). Any such amendments would be consulted upon as appropriate:

- trivial amendments would be simply notified at the next round of employer communications,
- amendments affecting only one class of employer would be consulted with those employers,
- other more significant amendments would be subject to full consultation.

In any event, meaningful changes to the FSS would need agreement by the Local Pension Committee and would be included in the relevant Committee Meeting minutes.

**A5 How does the FSS fit into other Fund documents?**

The FSS is a summary of the Fund's approach to funding liabilities. It is not an exhaustive statement of policy on all issues, for example there are a number of separate statements published by the Fund including the Investment Strategy Statement, Governance Strategy and Communications Strategy. In addition, the Fund publishes an Annual Report and Accounts with up to date information on the Fund.

These documents can be found on the web at <http://www.leics.gov.uk/pensions>.

## Appendix B – Responsibilities of key parties

The efficient and effective operation of the Fund needs various parties to each play their part.

### **B1 The Administering Authority should:-**

- operate the Fund as per the LGPS Regulations;
- effectively manage any potential conflicts of interest arising from its dual role as Administering Authority and a Fund employer;
- collect employer and employee contributions, and investment income and other amounts due to the Fund;
- ensure that cash is available to meet benefit payments as and when they fall due;
- pay from the Fund the relevant benefits and entitlements that are due;
- invest surplus monies (i.e. contributions and other income which are not immediately needed to pay benefits) in accordance with the Fund's Investment Strategy Statement (ISS) and LGPS Regulations;
- communicate appropriately with employers so that they fully understand their obligations to the Fund;
- take appropriate measures to safeguard the Fund against the consequences of employer default;
- manage the valuation process in consultation with the Fund's actuary;
- provide data and information as required by the Government Actuary's Department to carry out their statutory obligations (see [Section 5](#)); prepare and maintain a FSS and a ISS, after consultation;
- notify the Fund's actuary of material changes which could affect funding (this is covered in a separate agreement with the actuary); and
- monitor all aspects of the fund's performance and funding and amend the FSS/ISS as necessary and appropriate.

### **B2 The Individual Employer should:-**

- deduct contributions from employees' pay correctly;
- pay all contributions, including their own as determined by the actuary, promptly by the due date;
- have a policy and exercise discretions within the regulatory framework;
- make additional contributions in accordance with agreed arrangements in respect of, for example, augmentation of scheme benefits, early retirement strain; and
- notify the Administering Authority promptly of all changes to its circumstances, prospects or membership, which could affect future funding.

### **B3 The Fund Actuary should:-**

- prepare valuations, including the setting of employers' contribution rates. This will involve agreeing assumptions with the Administering Authority, having regard to the FSS and LGPS Regulations, and targeting each employer's solvency appropriately;
- provide data and information as required by the Government Actuary's Department to carry out their statutory obligations (see [Section 5](#));
- provide advice relating to new employers in the Fund, including the level and type of bonds or other forms of security (and the monitoring of these);
- prepare advice and calculations in connection with bulk transfers and individual benefit-related matters;

- assist the Administering Authority in considering possible changes to employer contributions between formal valuations, where circumstances suggest this may be necessary;
- advise on the termination of employers' participation in the Fund; and
- fully reflect actuarial professional guidance and requirements in the advice given to the Administering Authority.

**B4 Other parties:-**

- investment advisers (either internal or external) should ensure the Fund's ISS remains appropriate, and consistent with this FSS;
- investment managers, custodians and bankers should all play their part in the effective investment (and dis-investment) of Fund assets, in line with the ISS;
- auditors should comply with their auditing standards, ensure Fund compliance with all requirements, monitor and advise on fraud detection, and sign off annual reports and financial statements as required;
- governance advisers may be appointed to advise the Administering Authority on efficient processes and working methods in managing the Fund;
- legal advisers (either internal or external) should ensure the Fund's operation and management remains fully compliant with all regulations and broader local government requirements, including the Administering Authority's own procedures.
- the Department for Communities and Local Government (assisted by the Government Actuary's Department) and the Scheme Advisory Board, should work with LGPS Funds to meet Section 13 requirements.

## Appendix C – Key risks and controls

### C1 Types of risk

The Administering Authority has an active risk management programme in place. The measures that it has in place to control key risks are summarised below under the following headings:

- financial;
- demographic;
- regulatory; and
- governance.

### C2 Financial risks

Risk	Summary of Control Mechanisms
Fund assets fail to deliver returns in line with the anticipated returns underpinning valuation of liabilities over the long-term.	<p>Only anticipate long-term return on a relatively prudent basis to reduce risk of under-performing.</p> <p>Assets invested on the basis of specialist advice, in a suitably diversified manner across asset classes, geographies, managers, etc.</p> <p>Analyse progress at three yearly valuations for all employers.</p> <p>Inter-valuation roll-forward of liabilities between valuations at whole Fund level.</p>
Inappropriate long-term investment strategy.	<p>Overall investment strategy options considered as an integral part of the funding strategy. Used asset liability modelling to measure 4 key outcomes.</p> <p>Chosen option considered to provide the best balance.</p>
Fall in risk-free returns on Government bonds, leading to rise in value placed on liabilities.	<p>Stabilisation modelling at whole Fund level allows for the probability of this within a longer term context.</p> <p>Inter-valuation monitoring, as above.</p> <p>Some investment in bonds helps to mitigate this risk.</p>
Active investment manager under-performance relative to benchmark.	<p>Quarterly investment monitoring analyses market performance and active managers relative to their index benchmark.</p>
Pay and price inflation significantly more than anticipated.	<p>The focus of the actuarial valuation process is on real returns on assets, net of price and pay increases.</p> <p>Inter-valuation monitoring, as above, gives early warning.</p> <p>Some investment in bonds also helps to mitigate this</p>

Risk	Summary of Control Mechanisms
	<p>risk.</p> <p>Employers pay for their own salary awards and should be mindful of the geared effect on pension liabilities of any bias in pensionable pay rises towards longer-serving employees.</p>
Effect of possible increase in employer's contribution rate on service delivery and admission/scheduled bodies	An explicit stabilisation mechanism has been agreed as part of the funding strategy. Other measures are also in place to limit sudden increases in contributions.
Orphaned employers give rise to added costs for the Fund	<p>The Fund seeks a cessation debt (or security/guarantor) to minimise the risk of this happening in the future.</p> <p>If it occurs, the Actuary calculates the added cost spread pro-rata among all employers – (see <a href="#">3.9</a>).</p>

### C3 Demographic risks

Risk	Summary of Control Mechanisms
Pensioners living longer, thus increasing cost to Fund.	<p>Set mortality assumptions with some allowance for future increases in life expectancy.</p> <p>The Fund Actuary has direct access to the experience of over 50 LGPS funds which allows early identification of changes in life expectancy that might in turn affect the assumptions underpinning the valuation.</p>
Maturing Fund – i.e. proportion of actively contributing employees declines relative to retired employees.	Continue to monitor at each valuation, consider seeking monetary amounts rather than % of pay and consider alternative investment strategies.
Deteriorating patterns of early retirements	<p>Employers are charged the extra cost of non ill-health retirements following each individual decision.</p> <p>Employer ill health retirement experience is monitored, and insurance is an option.</p>
Reductions in payroll causing insufficient deficit recovery payments	<p>In many cases this may not be sufficient cause for concern, and will in effect be caught at the next formal valuation. However, there are protections where there is concern, as follows:</p> <p>Employers in the stabilisation mechanism may be brought out of that mechanism to permit appropriate contribution increases (see <a href="#">Note (b)</a> to <a href="#">3.3</a>).</p> <p>For other employers, review of contributions is</p>

Risk	Summary of Control Mechanisms
	permitted in general between valuations (see <a href="#">Note (f)</a> to <a href="#">3.3</a> ) and may require a move in deficit contributions from a percentage of payroll to fixed monetary amounts.

#### C4 Regulatory risks

Risk	Summary of Control Mechanisms
Changes to national pension requirements and/or HMRC rules e.g. changes arising from public sector pensions reform.	<p>The Administering Authority considers all consultation papers issued by the Government and comments where appropriate.</p> <p>The results of the most recent reforms have been built into the 2016 valuation. Any changes to member contribution rates or benefit levels will be carefully communicated with members to minimise possible opt-outs or adverse actions.</p>
Time, cost and/or reputational risks associated with any DCLG intervention triggered by the Section 13 analysis (see <a href="#">Section 5</a> ).	Take advice from Fund Actuary on position of Fund as at prior valuation, and consideration of proposed valuation approach relative to anticipated Section 13 analysis.
Changes by Government to particular employer participation in LGPS Funds, leading to impacts on funding and/or investment strategies.	<p>The Administering Authority considers all consultation papers issued by the Government and comments where appropriate.</p> <p>Take advice from Fund Actuary on impact of changes on the Fund and amend strategy as appropriate.</p>

#### C5 Governance risks

Risk	Summary of Control Mechanisms
Administering Authority unaware of structural changes in an employer's membership (e.g. large fall in employee members, large number of retirements) or not advised of an employer closing to new entrants.	<p>The Administering Authority has a close relationship with employing bodies and communicates required standards e.g. for submission of data.</p> <p>The Actuary may revise the rates and Adjustments certificate to increase an employer's contributions between triennial valuations</p> <p>Deficit contributions may be expressed as monetary amounts.</p>
Actuarial or investment advice is not sought, or is not heeded, or proves to be insufficient in	The Administering Authority maintains close contact with its specialist advisers.

Risk	Summary of Control Mechanisms
some way	<p>Advice is delivered via formal meetings involving Elected Members, and recorded appropriately.</p> <p>Actuarial advice is subject to professional requirements such as peer review.</p>
Administering Authority failing to commission the Fund Actuary to carry out a termination valuation for a departing Admission Body.	<p>The Administering Authority requires employers with Best Value contractors to inform it of forthcoming changes.</p> <p>Community Admission Bodies' memberships are monitored and, if active membership decreases, steps will be taken.</p>
An employer ceasing to exist with insufficient funding or adequacy of a bond.	<p>The Administering Authority believes that it would normally be too late to address the position if it was left to the time of departure.</p> <p>The risk is mitigated by:</p> <p>Seeking a funding guarantee from another scheme employer, or external body, where-ever possible (see <a href="#">Notes (h) and (i) to 3.3</a>).</p> <p>Alerting the prospective employer to its obligations and encouraging it to take independent actuarial advice.</p> <p>Vetting prospective employers before admission.</p> <p>Where permitted under the regulations requiring a bond to protect the Fund from various risks.</p> <p>Requiring new Community Admission Bodies to have a guarantor that is a tax-raising body.</p> <p>Reviewing bond or guarantor arrangements at regular intervals (see <a href="#">Note (f) to 3.3</a>).</p> <p>Reviewing contributions well ahead of cessation if thought appropriate (see <a href="#">Note (a) to 3.3</a>).</p>

## Appendix D – The calculation of Employer contributions

In [Section 2](#) there was a broad description of the way in which contribution rates are calculated. This Appendix considers these calculations in much more detail.

The calculations involve actuarial assumptions about future experience, and these are described in detail in [Appendix E](#).

### **D1 What is the difference between calculations across the whole Fund and calculations for an individual employer?**

Employer contributions are normally made up of two elements:

- a) the estimated cost of future benefits being accrued, referred to as the “Primary rate”; plus

an adjustment for the difference between the Primary rate above, and the actual contribution the employer needs to pay, referred to as the Secondary Contribution rate (see [D3](#) below). The contribution rate for each employer is measured as above, appropriate for each employer’s funding position and membership. The whole Fund position, including that used in reporting to DCLG (see section 5), is calculated in effect as the sum of all the individual employer rates. DCLG currently only regulates at whole Fund level, without monitoring individual employer positions.

### **D2 How is the Primary Rate calculated?**

The Primary element of the employer contribution rate is calculated with the aim that these contributions will meet benefit payments in respect of members’ **future** service in the Fund. This is based upon the cost (in excess of members’ contributions) of the benefits which employee members earn from their service each year.

The Primary rate is calculated separately for all the employers, although employers within a pool will pay the contribution rate applicable to the pool as a whole.

The Primary rate is calculated such that it is projected to:

1. meet the required funding target for all future years’ accrual of benefits\*, excluding any accrued assets, and
2. within a suitable deficit recovery period (see [note 3.3 Note \(c\)](#) for further details),

\* The projection is for the current active membership where the employer no longer admits new entrants, or additionally allows for new entrants where this is appropriate.

The projections are carried out using an economic modeller developed by the Fund’s actuary Hymans Robertson: this allows for a wide range of outcomes as regards key factors such as asset returns (based on the Fund’s investment strategy), inflation, and bond yields. The measured contributions are calculated such that the proportion of outcomes meeting the employer’s funding target (by the end of the time horizon) is equal to the required probability.

The approach includes expenses of administration to the extent that they are borne by the Fund, and includes allowances for benefits payable on death in service and on ill health retirement.

### **D3 How is the Secondary contribution rate calculated?**

The combined Primary and Secondary rates aim to achieve the employer’s funding target, within the appropriate deficit recovery period.

For the funding target, the Fund actuary agrees the assumptions to be used with the Administering Authority – see [Appendix E](#). These assumptions are used to calculate the present value of all benefit payments expected in the future, relating to that employer’s current and former employees, based on pensionable service to the valuation date only (i.e. ignoring further benefits to be built up in the future).

The Fund operates the same target funding level for all employers of 100% of its accrued liabilities valued on the ongoing basis, unless otherwise determined (see [Section 3](#)).

The Secondary rate is calculated as the balance over and above the Primary rate, such that the total is projected to:

- meet the required funding target relating to combined past and future service benefit accrual, including accrued asset share (see [D5](#) below)
- within the determined deficit recovery period (see [3.3 Note \(c\)](#) for further details)

#### **D4 How is the Solvency / Funding Level calculated?**

The Fund’s actuary is required to report on the “solvency” of the whole Fund in a valuation which should be carried out at least once every three years. As part of this valuation, the actuary will calculate the solvency position of each employer.

‘Solvency’ is defined to be the ratio of the market value of the employer’s asset share to the value placed on accrued benefits on the Fund actuary’s chosen assumptions. This quantity is known as a funding level.

For the value of the employer’s asset share, see [D6](#) below.

For the value of benefits, the Fund actuary agrees the assumptions to be used with the Administering Authority – see [Appendix E](#). These assumptions are used to calculate the present value of all benefit payments expected in the future, relating to that employer’s current and former employees, based on pensionable service to the valuation date only (i.e. ignoring further benefits to be built up in the future).

The Fund operates the same target funding level for all employers of 100% of its accrued liabilities valued on the ongoing basis, unless otherwise determined (see [Section 3](#)).

#### **D5 What affects a given employer’s valuation results?**

The results of these calculations for a given individual employer will be affected by:

- past contributions relative to the cost of accruals of benefits;
- different liability profiles of employers (e.g. mix of members by age, gender, service vs. salary);
- the effect of any differences in the valuation basis on the value placed on the employer’s liabilities;
- any different deficit/surplus spreading periods or phasing of contribution changes;
- the difference between actual and assumed rises in pensionable pay;
- the difference between actual and assumed increases to pensions in payment and deferred pensions;
- the difference between actual and assumed retirements on grounds of ill-health from active status;
- the difference between actual and assumed amounts of pension ceasing on death;
- the additional costs of any non ill-health retirements relative to any extra payments made;

over the period between each triennial valuation.

Actual investment returns achieved on the Fund between each valuation are applied proportionately across all employers, to the extent that employers in effect share the same investment strategy. Transfers of liabilities between employers within the Fund occur automatically within this process, with a sum broadly equivalent to the reserve required on the ongoing basis being exchanged between the two employers.

**D6 How is each employer's asset share calculated?**

The Fund uses the Hymans Robertson Employer Asset Tracking model ("HEAT"), which apportions assets at individual employer level allowing for monthly cashflows per employer (e.g. contributions received, benefits paid out, investment returns, transfers in and out, etc). This revised approach gives a greater degree of accuracy, for employers' benefit.]

## Appendix E – Actuarial assumptions

### E1 What are the actuarial assumptions?

These are expectations of future experience used to place a value on future benefit payments (“the liabilities”). Assumptions are made about the amount of benefit payable to members (the financial assumptions) and the likelihood or timing of payments (the demographic assumptions). For example, financial assumptions include investment returns, salary growth and pension increases; demographic assumptions include life expectancy, probabilities of ill-health early retirement, and proportions of member deaths giving rise to dependants’ benefits.

Changes in assumptions will affect the measured value of future service accrual and past service liabilities, and hence the measured value of the past service deficit. However, different assumptions will not affect the actual benefits payable by the Fund in future.

The combination of all assumptions is described as the “basis”. A more optimistic basis might involve higher assumed investment returns (discount rate), or lower assumed salary growth, pension increases or life expectancy; a more optimistic basis will give lower funding targets and lower employer costs. A more prudent basis will give higher funding targets and higher employer costs.

### E2 What basis is used by the Fund?

The Fund’s standard funding basis is described as the “ongoing basis”, which applies to most employers in most circumstances. This is described in more detail below. It anticipates employers remaining in the Fund in the long term.

However, in certain circumstances, typically where the employer is not expected to remain in the Fund long term, a more prudent basis applies: see [Note \(a\)](#) to [3.3](#).

### E3 What assumptions are made in the ongoing basis?

#### a) Investment return / discount rate

The key financial assumption is the anticipated return on the Fund’s investments. This “discount rate” assumption makes allowance for an anticipated out-performance of Fund returns relative to long term yields on UK Government bonds (“gilts”). There is, however, no guarantee that Fund returns will out-perform gilts. The risk is greater when measured over short periods such as the three years between formal actuarial valuations, when the actual returns and assumed returns can deviate sharply.

Given the very long-term nature of the liabilities, a long term view of prospective asset returns is taken. The long term in this context would be 20 to 30 years or more.

For the purpose of the triennial funding valuation at 31 March 2016 and setting contribution rates effective from 1 April 2017, the Fund actuary has assumed that future investment returns earned by the Fund over the long term will be 1.8% per annum greater than gilt yields at the time of the valuation (this is the same as that used at the 2013 valuation). In the opinion of the Fund actuary, based on the current investment strategy of the Fund, this asset out-performance assumption is within a range that would be considered acceptable for the purposes of the funding valuation.

**b) Salary growth**

Pay for public sector employees is currently subject to restriction by the UK Government for the immediate future. Although this pay restriction does not officially apply to local government and associated employers, it is strongly expected that they are likely to show similar restraint in respect of pay awards. Based on long term historical analysis of the membership in LGPS funds, the salary increase assumption at the 2016 valuation has been set at the expected future level of increase in the retail prices index (RPI) per annum. This is a change from the previous valuation, which assumed long term pay growth of RPI + 1% p.a. The change has led to a reduction in the funding target (all other things being equal).

**c) Pension increases**

Since 2011 the consumer prices index (CPI), rather than RPI, has been the basis for increases to public sector pensions in deferment and in payment. Note that the basis of such increases is set by the Government, and is not under the control of the Fund or any employers.

As at the previous valuation, we derive our assumption for RPI from market data as the difference between the yield on long-dated fixed interest and index-linked government bonds. This is then reduced to arrive at the CPI assumption, to allow for the “formula effect” of the difference between RPI and CPI. At this valuation, we propose a reduction of 1.0% per annum. This is a larger reduction than at 2013, which will serve to reduce the value placed on the Fund’s liabilities (all other things being equal).

**d) Life expectancy**

The demographic assumptions are intended to be best estimates of future experience in the Fund based on past experience of LGPS funds which participate in Club Vita, the longevity analytics service used by the Fund, and endorsed by the actuary.

The longevity assumptions that have been adopted at this valuation are a bespoke set of “VitaCurves”, produced by the Club Vita’s detailed analysis, which are specifically tailored to fit the membership profile of the Fund. These curves are based on the data provided by the Fund for the purposes of this valuation.

It is acknowledged that future life expectancy and, in particular, the allowance for future improvements in life expectancy, is uncertain. There is a consensus amongst actuaries, demographers and medical experts that life expectancy is likely to improve in the future. Allowance has been made in the ongoing valuation basis for future improvements in line with 2013 version of the Continuous Mortality Investigation model published by the Actuarial Profession projections (assuming the current rate of improvements has reached a peak) and a long term minimum rate of 1.25% per annum. This is a similar allowance for future improvements that was made in 2013.

The combined effect of the above changes from the 2013 valuation approach, is to reduce life expectancy by around 0.4 years on average, which reduces the funding target all other things being equal. The approach taken is considered reasonable in light of the long term nature of the Fund and the assumed level of security underpinning members’ benefits

**e) General**

The same financial assumptions are adopted for all employers, in deriving the funding target and the Primary and Secondary rates; as described in (3.3), these calculated figures are translated in different ways into employer contributions, depending on the employer’s circumstances.

The demographic assumptions, in particular the life expectancy assumption, in effect vary by type of member and so reflect the different membership profiles of employers.

## Appendix F – Glossary

<b>Actuarial assumptions/basis</b>	The combined set of assumptions made by the actuary, regarding the future, to calculate the value of <b>liabilities</b> . The main assumptions will relate to the <b>discount rate</b> , salary growth, pension increases and longevity. More prudent assumptions will give a higher liability value, whereas more optimistic assumptions will give a lower value.
<b>Administering Authority</b>	The council with statutory responsibility for running the Fund, in effect the Fund's "trustees".
<b>Admission Bodies</b>	Employers which voluntarily participate in the Fund, so that their employees and ex-employees are <b>members</b> . There will be an Admission Agreement setting out the employer's obligations. For more details (see <a href="#">2.5</a> ).
<b>Covenant</b>	The assessed financial strength of the employer. A strong covenant indicates a greater ability (and willingness) to pay for pension obligations in the long run. A weaker covenant means that it appears that the employer may have difficulties meeting its pension obligations in full over the longer term.
<b>Deficit</b>	The shortfall between the assets value and the <b>liabilities</b> value. This relates to assets and liabilities built up to date, and ignores the future build-up of pension (which in effect is assumed to be met by future contributions).
<b>Deficit repair/recovery period</b>	The target length of time over which the current <b>deficit</b> is intended to be paid off. A shorter period will give rise to a higher annual Secondary Contribution rate (deficit repair contribution), and vice versa.
<b>Designating Employer</b>	Employers such as town and parish councils that are able to participate in the LGPS via resolution. These employers can designate which of their employees are eligible to join the Fund.
<b>Discount rate</b>	The annual rate at which future assumed cashflows (in and out of the Fund) are discounted to the present day. This is necessary to provide a <b>liabilities</b> value which is consistent with the present day value of the assets, to calculate the <b>deficit</b> . A lower discount rate gives a higher liabilities value, and vice versa. It is used in the calculation of the <b>Primary rate</b> and <b>Secondary contribution rate</b> .
<b>Employer</b>	An individual participating body in the Fund, which employs (or used to employ) <b>members</b> of the Fund. Normally the assets and <b>liabilities</b> values for each employer are individually tracked, together with its <b>Primary contribution rate</b> at each <b>valuation</b> .
<b>Funding level</b>	The ratio of assets value to <b>liabilities</b> value: for further details (see <a href="#">2.2</a> ).
<b>Funding target</b>	The actuarially calculated present value of all pension entitlements of all <b>members</b> of the Fund, built up to date. This is compared with the present market value of Fund assets to derive the <b>deficit</b> . It is calculated on a chosen set of <b>actuarial assumptions</b> .

<b>Gilt</b>	A UK Government bond, i.e. a promise by the Government to pay interest and capital as per the terms of that particular gilt, in return for an initial payment of capital by the purchaser. Gilts can be “fixed interest”, where the interest payments are level throughout the gilt’s term, or “index-linked” where the interest payments vary each year in line with a specified index (usually RPI). Gilts can be bought as assets by the Fund, but their main use in funding is as an objective measure of solvency.
<b>Guarantee / guarantor</b>	A formal promise by a third party (the guarantor) that it will meet any pension obligations not met by a specified employer. The presence of a guarantor will mean, for instance, that the Fund can consider the employer’s <b>covenant</b> to be as strong as its guarantor’s.
<b>Letting employer</b>	An employer which outsources or transfers a part of its services and workforce to another employer (usually a contractor). The contractor will pay towards the LGPS benefits accrued by the transferring members, but ultimately the obligation to pay for these benefits will revert to the letting employer. A letting employer will usually be a local authority, but can sometimes be another type of employer such as an Academy.
<b>Liabilities</b>	The actuarially calculated present value of all pension entitlements of all <b>members</b> of the Fund, built up to date. This is compared with the present market value of Fund assets to derive the <b>deficit</b> . It is calculated on a chosen set of <b>actuarial assumptions</b> .
<b>LGPS</b>	The Local Government Pension Scheme, a public sector pension arrangement put in place via Government Regulations, for workers in local government. These Regulations also dictate eligibility (particularly for Scheduled Bodies), members’ contribution rates, benefit calculations and certain governance requirements. The LGPS is divided into 101 Funds which map the UK. Each LGPS Fund is autonomous to the extent not dictated by Regulations, e.g. regarding investment strategy, employer contributions and choice of advisers.
<b>Maturity</b>	A general term to describe a Fund (or an employer’s position within a Fund) where the members are closer to retirement (or more of them already retired) and the investment time horizon is shorter. This has implications for investment strategy and, consequently, funding strategy.
<b>Members</b>	The individuals who have built up (and may still be building up) entitlement in the Fund. They are divided into actives (current employee members), deferreds (ex-employees who have not yet retired) and pensioners (ex-employees who have now retired, and dependants of deceased ex-employees).
<b>Pooling</b>	Employers may be grouped together for the purpose of calculating contribution rates, so that their combined membership and asset shares are used to calculate a

single contribution rate applicable to all employers in the pool. A pool may still require each individual employer to ultimately pay for its own share of **deficit**, or (if formally agreed) it may allow **deficits** to be passed from one employer to another. For further details of the Fund's current pooling policy (see [3.4](#)).

<b>Primary rate</b>	The employer contribution rate required to pay for ongoing accrual of active members' benefits (including an allowance for administrative expenses). See Appendix D for further details.
<b>Profile</b>	The profile of an employer's membership or liability reflects various measurements of that employer's <b>members</b> , ie current and former employees. This includes: the proportions which are active, deferred or pensioner; the average ages of each category; the varying salary or pension levels; the lengths of service of active members vs their salary levels, etc. A membership (or liability) profile might be measured for its <b>maturity</b> also.
<b>Rates and Adjustments Certificate</b>	A formal document required by the LGPS Regulations, which must be updated at least every three years at the conclusion of the formal <b>valuation</b> . This is completed by the actuary and confirms the contributions to be paid by each employer (or pool of employers) in the Fund for the three year period until the next valuation is completed.
<b>Scheduled Bodies</b>	Types of employer explicitly defined in the LGPS Regulations, whose employers must be offered membership of their local LGPS Fund. These include Councils, colleges, universities, academies, police and fire authorities etc, other than employees who have entitlement to a different public sector pension scheme (e.g. teachers, police and fire officers, university lecturers).
<b>Secondary rate</b>	The difference between the employer's actual and <b>Primary Rates</b> . In broad terms, this relates to the shortfall of its asset share to its <b>funding target</b> . See <a href="#">Appendix D</a> for further details.
<b>Stabilisation</b>	Any method used to smooth out changes in employer contributions from one year to the next. This is very broadly required by the LGPS Regulations, but in practice is particularly employed for large stable employers in the Fund. Different methods may involve: probability-based modelling of future market movements; longer deficit recovery periods; higher discount rates; or some combination of these.
<b>Valuation</b>	An actuarial investigation to calculate the liabilities, future service contribution rate and common contribution rate for a Fund, and usually individual employers too. This is normally carried out in full every three years (last done as at 31 March 2016), but can be approximately updated at other times. The assets value is based on market values at the valuation date, and the liabilities value and contribution rates are based on long term bond market yields at that date also.

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