

Oxfordshire County Council Pension Fund

Report on the actuarial valuation at 31 March 2022

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31 March 2023

For and on behalf of Hymans Robertson LLP

Hymans Robertson LLP is authorised and
regulated by the Financial Conduct Authority

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Executive Summary

We have been commissioned by Oxfordshire County Council (the Administering Authority) to carry out a valuation of the Oxfordshire County Council Pension Fund (the Fund) as at 31 March 2022. This fulfils Regulation 62 of the Local Government Pension Scheme Regulations 2013. This report is a summary of the valuation.

Contribution rates

The contribution rates for individual employers set at this valuation can be found in the [Rates & Adjustments certificate](#). Table 1 shows the combined individual employer rates set at this valuation and the last valuation (31 March 2019).

Table 1: Whole fund contribution rates compared with the previous valuation

	This valuation 31 March 2022		Last valuation 31 March 2019	
Primary Rate	18.9% of pay		17.4% of pay	
Secondary Rate	2023/2024	£7,248,000	2020/2021	£11,866,000
	2024/2025	£7,408,000	2021/2022	£12,121,000
	2025/2026	£7,573,000	2022/2023	£12,992,000

- The Primary rate has increased mainly due to higher inflation
- The Secondary rate has decreased due to good investment performance since the last valuation

Funding position

At 31 March 2022, the past service funding position has improved from the last valuation at 31 March 2019. Table 2 shows the single reported funding position at the current and previous valuation.

Table 2: Single reported funding position at 31 March 2022 compared with 31 March 2019

Valuation Date	31 March 2022	31 March 2019
Past Service Liabilities	(£m)	(£m)
Employees	945	790
Deferred Pensioners	745	631
Pensioners	1,260	1,125
Total Liabilities	2,951	2,546
Assets	3,280	2,515
Surplus/(Deficit)	329	(31)
Funding Level	111%	99%

The required investment return to be 100% funded is now 4.0% pa (4.4% pa at 2019). The likelihood of the Fund's investment strategy achieving the required return is 77% (66% at 2019). See page 10 for further details.

Approach to valuation

Valuation Purpose

The triennial actuarial valuation is an important part of the Fund's risk management framework. Its main purpose is to ensure the Fund continues to have a contribution plan and investment strategy that will achieve the objectives set out in the Funding Strategy Statement.

We have been commissioned by Oxfordshire County Council (the Administering Authority) to carry out a valuation of the Oxfordshire County Council Pension Fund (the Fund) as at 31 March 2022. This fulfils Regulation 62 of the Local Government Pension Scheme Regulations 2013. This report marks the culmination of the valuation process and contains its two key outcomes:

1 Employer contribution rates for the period 1 April 2023 to 31 March 2026.

2 The funding level of the Fund at 31 March 2022.

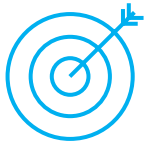
Further information on the valuation process, methodology and strategy is set out in the publicly available Funding Strategy Statement, Investment Strategy Statement and published papers and minutes of the Fund's Pensions Committee. Additional material is also contained in [Hymans Robertson's LGPS 2022 valuation toolkit](#)¹.

Setting employer contribution rates

Employer contributions need to be set at a level which ensures the Fund has a reasonable likelihood of having enough money to pay members' benefits. Identifying the amount of benefits that may be paid is complex as those earned today might only start being paid in 50 years' time. Over that time period, there is significant uncertainty over factors which affect the cost of benefits, eg inflation, investment returns. These uncertainties are allowed for by taking a risk-based approach to setting employer contribution rates. This approach is built around three key funding decisions set by the Fund and asset-liability modelling.

Key funding decisions

For each employer, the Fund determines the most appropriate choice for the following three funding decisions. Further detail is set out in the Funding Strategy Statement.



What is the funding target for each employer?

Will the employer remain in the Fund for the long-term or exit at some point



What is the funding time horizon?

How long will the employer participate in the Fund



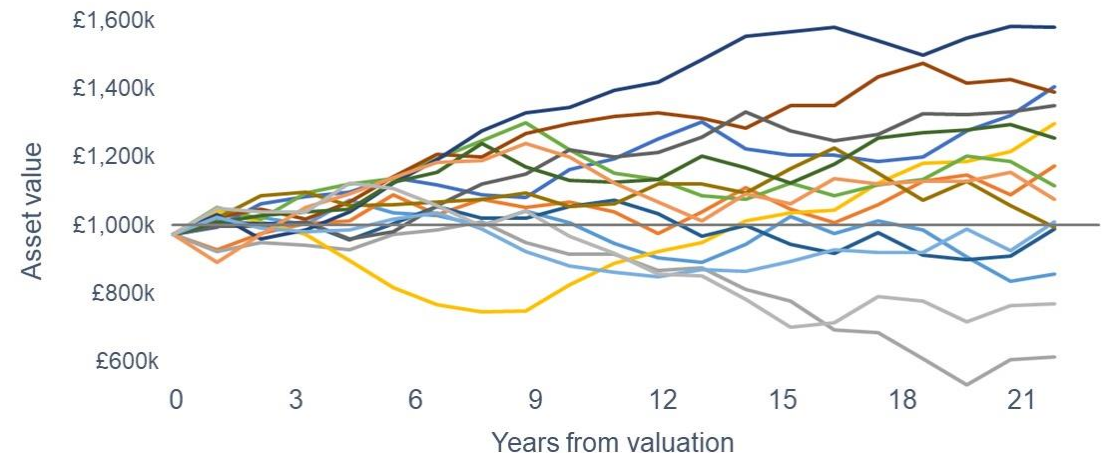
What is the required likelihood?

How much funding risk can the employer's covenant support

Modelling approach

Asset-liability modelling is used to project each employer's assets and benefit payments into the future using 5,000 different economic scenarios. The economic scenarios are generated using Hymans Robertson's Economic Scenario Service (ESS) (further information in [Appendix 2](#)).

Picture 1: sample progression of employer asset values under different economic scenarios



Measuring the funding level

The past service funding level is measured at the valuation. Whilst it is limited in providing insight into a funding plan, it is a useful high-level summary statistic. To measure the funding level, a market-related approach is taken to calculating both the assets and the liabilities (so they are consistent with each other).

- The market value of the Fund's assets at the valuation date have been used.
- The liabilities have been valued using assumptions based on market indicators at the valuation date (these assumptions are detailed in [Appendix 2](#)).

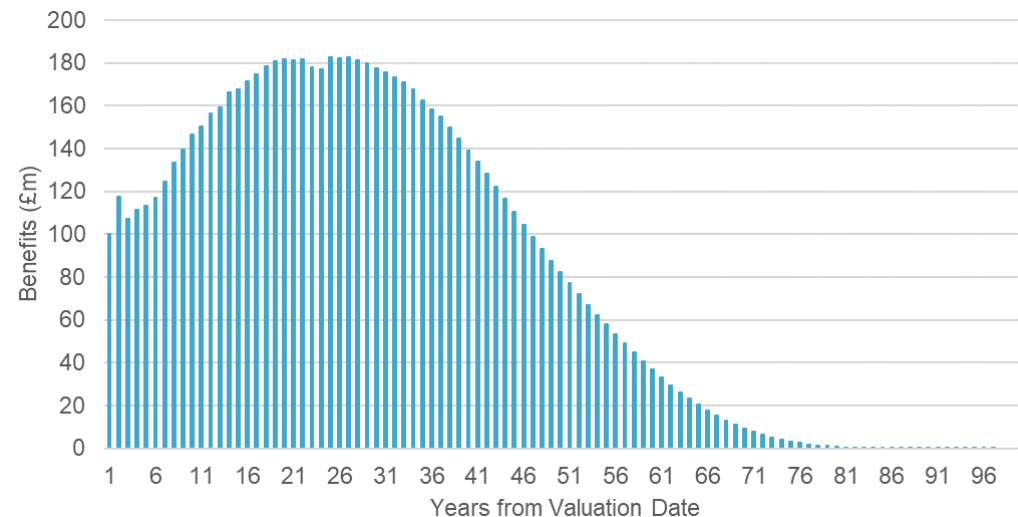
Further detail on the liabilities

The liabilities are the value of all future payments to members based on all benefits earned up to the valuation date, expressed in today's money.

Chart 1 shows the projected payments for all members in the Fund at the valuation date. The projections are based on the membership data provided for the valuation ([Appendix 1](#)), the assumptions ([Appendix 2](#)) and our understanding of the LGPS benefit structure as at 31 March 2022 (details at www.lgpsregs.org).

To express the future payments in today's money, the projections are discounted with an assumed future investment return on the Fund's assets (the discount rate).

Chart 1: projected benefit payments for all service earned up to 31 March 2022



Valuation results

Employer contribution rates

The primary objective of the Fund is to set employer contribution rates that will adequately cover the cost of benefits which will accrue in the future and any costs related to benefits already earned. A secondary objective is to ensure the rates are as stable as possible. The risk-based approach detailed earlier is used to meet both these objectives.

The employer contribution rate is made up of two components.

1. A primary rate: the level sufficient to cover all new benefits.
2. A secondary rate: the costs associated with sufficiently funding benefits accrued up to the valuation date.

Each employer has a contribution rate which is appropriate to their circumstances and these can be found in the [Rates & Adjustments Certificate](#). Broadly speaking:

- Primary rates have increased since the last valuation due to rising inflation.
- Secondary rates have decreased due to strong investment performance since the previous valuation.

However all employers will be different and the contribution rate will reflect the membership and experiences of each employer.

Table 3 shows the total of all employer contribution rates to be paid into the Fund over the period 1 April 2023 to 31 March 2026.

Table 3: Whole-fund contribution rate, compared with the previous valuation

	This valuation 31 March 2022		Last valuation 31 March 2019	
Primary Rate	18.9% of pay		17.4% of pay	
Secondary Rate	2023/2024	£7,248,000	2020/2021	£11,866,000
	2024/2025	£7,408,000	2021/2022	£12,121,000
	2025/2026	£7,573,000	2022/2023	£12,992,000

The primary rate includes an allowance of 0.7% of pensionable pay for the Fund's expenses.

Employees pay a contribution to the Fund in addition to these rates. These rates are set by the LGPS Regulations. The average employee contribution rate at 31 March 2022 is 6.6% of pay (6.5% at 31 March 2019).

Funding level

The funding level is the ratio of assets to liabilities. The market value of the assets at the valuation date are known. The value of the liabilities is uncertain given that the level of future investment returns are unknown.

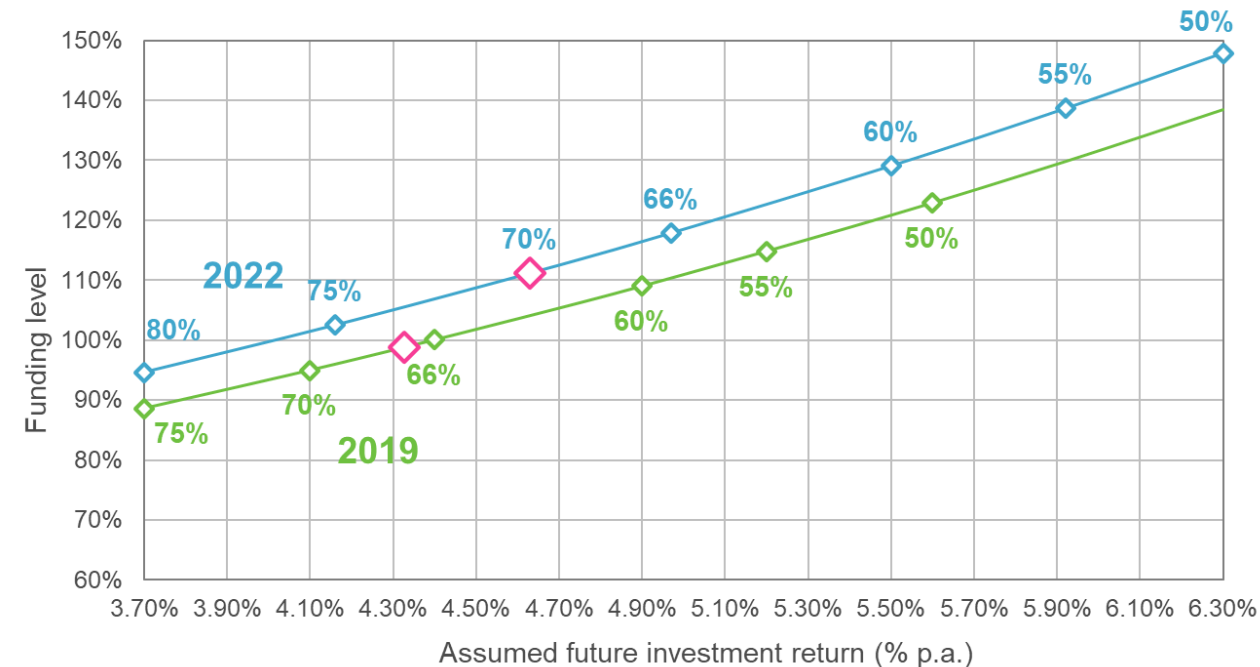
Therefore, the liabilities and funding level have been calculated across a range of different investment returns (the discount rate).

To help better understand funding risk, the likelihood of the Fund's investment strategy (detailed in [Appendix 1](#)) achieving certain levels of return has also been calculated.

Chart 2 shows how the funding level varies with future investment return assumptions at 31 March 2022 (blue line). The green line shows the same analysis at 31 March 2019.

- The funding position at 2022 is stronger than 2019.
- The 2022 funding level is 100% if future investment returns are c.4.0% pa. The likelihood of the Fund's assets yielding at least this return is around 77%.
- The comparator at 2019 was a return of 4.4% pa which had a likelihood of 66%.
- There is a 50% likelihood of an investment return of 6.3% pa. So the best-estimate funding level is 148% at 31 March 2022 (122% at 2019).

Chart 2: funding level across a range of future investment returns



Figures on each line show the likelihood of the Fund's assets exceeding that level of return over the next 20 years.

The pink diamond shows the reported funding level (and assumed future investment return with a given likelihood of being achieved) at each valuation date.

Single funding level as at 31 March 2022

Whilst the chart on the previous page provides a better understanding of the past service funding position, there is still a requirement to report a single funding level at 31 March 2022.

To report a single funding level and funding surplus/deficit for the 2022 valuation, a discount rate of 4.6% pa has been used. There is a 70% likelihood associated with a future investment return of 4.6% pa.

Table 4 details the liabilities, split by member status and the market value of assets at the valuation date. The results at the 2019 formal valuation are shown for comparison.

The funding level and surplus/deficit figures provide a high-level snapshot of the funding position of the Fund as at 31 March 2022, however there are limitations:

- The liabilities are calculated using a single set of assumptions about the future and so are very sensitive to the choice of assumptions.
- The market value of assets held by the Fund will change on a daily basis.

The future progression of the funding position is uncertain. If the financial and demographic assumptions made at this valuation actually occur, employers pay contributions in line with the R&A certificate and there are no other changes in the financial or demographic environment, we project that the funding level at the next valuation (31 March 2025) will be approximately 111%.

Table 4: single reported funding level

Valuation Date	31 March 2022	31 March 2019
Past Service Liabilities	(£m)	(£m)
Employees	945	790
Deferred Pensioners	745	631
Pensioners	1,260	1,125
Total Liabilities	2,951	2,546
Assets	3,280	2,515
Surplus/(Deficit)	329	(31)
Funding Level	111%	99%

Important: the reported funding level does not directly drive the contribution rates for employers. The contribution rates consider how assets and liabilities will evolve over time in different economic scenarios and also reflect each employer's funding profile and covenant.

Changes since the last valuation

Events between 2019 and 2022

The most significant external event to occur since the last valuation has been the Covid-19 pandemic. The experience analysis shows that the amount of pension ceasing was broadly in line with expectations. Overall, the mortality experience has had a minimal impact on the funding position.

Other significant factors occurring which affect the funding strategy of the Fund have been the better than expected investment returns. This has had a material positive impact on the funding position and employers' secondary contribution rates.

Financial

Table 5: analysis of financial experience between 2019 and 2022 valuations

	Expected	Actual	Difference	Impact on funding position
3 year period	13.6%	28.5%	14.9%	+£375m
Annual	4.3% pa	8.7% pa	4.4% pa	

Membership

Table 6: analysis of membership experience between 2019 and 2022 valuations

	Expected	Actual	Difference	Impact on funding position
Early leavers	6,538	10,665	4,127	£0m
Ill-health retirements	99	74	-25	+£3m
Salary increases	3.0% pa	5.3% pa	2.3% pa	-£33m
Benefit increases	2.3% pa	1.8% pa	-0.6% pa	+£39m
Pension ceasing	£5.7m	£5.8m	£0.1m	-£1m

Changes since the last valuation

Future outlook

Expectations about the future, which inform the assumptions used to value the liabilities, have changed since the last valuation. The most significant changes are:

- Future inflation: this is expected to be on average higher than at 2019 due to the current level of high inflation.
- Investment returns: due to change in the Fund's investment strategy and financial markets, future investment returns are now expected to be higher than at the last valuation.

Table 7: summary of change in future outlook

Factor	What does it affect?	What's changed?	Impact on liabilities
Future investment returns	The rate at which future benefit payments are discounted back, ie the discount rate assumption	Assumed future investment returns slightly higher at 2022 than at 2019.	Decrease of £160m
Inflation	The rate at which pensions in payment and deferment and CARE pots increase	Significant increase in short-term future inflation expectations.	Increase of £203m
Salary increases	The rate at which future salaries increase. This affects benefits that are still linked to final salary, ie accrued before 1 April 2014	No material change since last valuation given competing factors e.g. tighter budgetary conditions vs. strong job market and pressure from National Living Wage increases.	No change
Current life expectancy	How long we expect people to live for based on today's current observed mortality rates.	Slight reduction in life expectancy based on current observed data (not allowing for Covid-related excess deaths)	Decrease of £2m
Future improvements in life expectancy	How we expect life expectancies to change (increase) in the future.	Uncertainty about effectiveness of mitigations against life expectancy increases in the LGPS i.e. State Pension Age increases and Cost Cap. Need to better reflect wider pension and insurance industry long-term expectations.	Increase of £17m

Reconciling the overall change in funding position

The tables below provide insight into the funding position change between 31 March 2019 and 31 March 2022. Firstly, the changes we expect to happen (Table 8), which relate mostly to items on the asset side. Then the impact of actual experience (Table 9), which mainly affects the liabilities.

Expected development

Table 8: expected development of funding position between 2019 and 2022 valuations

Change in the surplus/deficit position	Surplus / Deficit
	£m
Last valuation at 31 March 2019	(31)
Cashflows	
Employer contributions paid in	239
Employee contributions paid in	76
Benefits paid out	0
Net transfers into / out of the Fund*	18
Other cashflows (e.g. Fund expenses)	11
Expected changes	
Expected investment returns	340
Interest on benefits already accrued	(347)
Accrual of new benefits	(316)
Expected position at 31 March 2022	(28)

* We have insufficient data to value the impact on the liabilities as a result of transfers in/out

Impact of actual events

Table 9: impact of actual events on the funding position at 31 March 2022

Change in the surplus/deficit position	Surplus / Deficit
	£m
Expected position at 31 March 2022	(28)
Events between 2019 and 2022	
Salary increases greater than expected	(33)
Benefit increases less than expected	39
Early retirement strain (and contributions)	0
Ill health retirement strain	3
Early leavers more than expected	0
Commutation less than expected	0
Pensions ceasing less than expected	(1)
McCloud remedy	(2)
Other membership experience	(1)
Higher than expected investment returns	375
Changes in future expectations	
Investment returns	160
Inflation	(203)
Salary increases	0
Longevity	(15)
Other demographic assumptions	34
Actual position at 31 March 2022	329

Numbers may not sum due to rounding

Sensitivity & risk analysis

Sensitivity and risk analysis: assumptions

There is risk and uncertainty inherent with funding benefit payments that will be paid out many years in the future. The Fund is aware of these and has in place a risk register which is regularly reviewed. Additionally, as part of the valuation, the Fund reviews sources of risk that may impact its funding position and the contribution rates payable by employers.

This section discusses some of the most significant sources of funding risk (assumptions, regulatory, administration and governance and climate change). Further information of the Fund's approach to funding risk management, including monitoring, mitigation and management, is set out in the Funding Strategy Statement.

The valuation results depend on the actuarial assumptions made about the future. By their nature, these assumptions are uncertain which means its important to understand their sensitivity and risk levels.

Contribution rates

The risk-based approach to setting employer contribution rates mitigates the limitation of relying on one set of assumptions. Therefore, there is no need to carry out additional analysis of the sensitivity of contribution rates to changes in financial assumptions. The contribution rates are sensitive to changes in demographic assumptions. The results in this section in relation to the funding position can be broadly applied to the contribution rates.

Funding level

Financial assumptions

On page 10, we have already set out how the results vary with the assumed future investment return. The table below considers inflation.

Table 10: sensitivity of funding position to inflation assumption

CPI Assumption	Surplus/ (Deficit)	Funding Level
% pa	(£m)	%
2.5%	420	115%
2.7%	329	111%
2.9%	235	108%

Demographic assumptions

The main area of demographic risk is if people live longer than expected. The table below shows the impact of longer term longevity rates improving at a faster rate (1.75% pa vs 1.50% pa used in the results)

Table 11: sensitivity of funding position to longevity assumption

Long term rate of improvement	Surplus/ (Deficit)	Funding Level
% pa	(£m)	%
1.50%	329	111%
1.75%	307	110%

Sensitivity and risk analysis: other risks

Regulatory, Administration and Governance risks

Potential risks in this area include change in central government legislation which changes the future cost of the LGPS and failures in administration processes leading to incorrect data and inaccuracies in actuarial calculations. At this valuation, specific risks include:

- **McCloud:** the remedy to resolve the McCloud case is yet to be formalised in regulations. However, an allowance has been included for this expected benefit change at the 2022 valuation as directed by the Department of Levelling Up, Housing and Communities [in their letter dated March 2022](#)¹.
- **Goodwin:** the remedy to this issue is still uncertain, it is difficult to identify who it would apply to and its impact is estimated to be very small for a LGPS fund (0.1-0.2% of liabilities). Therefore, no allowance has been made for this case at the 2022 valuation.
- **Cost Cap:** a legal challenge is ongoing in relation to the 2016 cost cap valuation and no information is known about the outcome of the 2020 cost cap valuation. At this valuation, no allowance has been made for any changes to the benefit structure that may occur as a result of a cost cap valuation.
- **GMP indexation:** it is assumed that all increases on GMPs for members reaching State Pension Age after 6 April 2016 will be paid for by LGPS employers. This is the same approach that was taken for the 2019 valuation.

Post valuation events

Since 31 March 2022, there has been significant volatility in the financial markets, short-term inflation expectations and rises in interest rates by central banks. These events affect the value of the Fund's assets and liabilities.

- The Fund's investment return from 31 March 2022 to 15 March 2023 is estimated to be around -5%.
- Liability valuations are likely to be lower now than at 31 March 2022 due to rises in expected future investment returns more than offsetting the higher than expected (10.1%) pension increase at April 2023.

As an open scheme, with a strong covenant, the Fund takes a long-term view when considering the funding impact of such events. For employers who have a very short time horizon, recent volatility may be more immediately impactful, and the Fund has engaged with these employers as appropriate.

No explicit allowance has been made for this volatility in the valuation results or contribution rates detailed in the Rates & Adjustments Certificate. The Fund will continue to monitor changes in the financial and demographic environment as part of its ongoing risk management approach.

Sensitivity and risk analysis: climate change

Background

Climate change is a major source of uncertainty which could affect future investment returns, inflation and life expectancies. Therefore, the Fund has explicitly explored the resilience of its funding strategy to future potential climate change outcomes.

It is impossible to confidently quantify the effect of climate risk given the significant uncertainty over the impact of different possible climate outcomes. Instead, three different climate change scenarios have been considered as a stress-test (instead of trying to predict how climate change affects the funding level in the future).

All the scenarios assume that there will be a period of disruption linked either to the response to climate risk (transition risks) or the effect of it (physical risks). This disruption will lead to high volatility in financial markets, and the later the disruption, the more pronounced it will be.

Further detail on the scenarios is shown on the next page and in our guide 10 of [Hymans Robertson's LGPS 2022 valuation toolkit](#)¹

Outcome of analysis

The Fund has set its funding strategy using asset-liability modelling and considering two main risk metrics:

- Likelihood of success – the chance of being fully funded in 20 years' time
- Downside risk – the average worst 5% of funding levels in 20 years' time

When exploring the potential impact of climate change, the Fund has compared how these risk metrics change under each climate change scenario (against the 'Core' model used when setting the funding strategy). The stress test results for the Fund are shown in Table 12 below.

Table 12: sensitivity of funding position to climate transition scenarios

Scenario	Likelihood of success	Downside risk
Core	72%	39%
Green Revolution	69%	35%
Delayed Transition	69%	38%
Head in the Sand	70%	38%

The results are worse in the climate scenarios. This is to be expected given that they are purposefully stress-tests and all the scenarios are bad outcomes. Whilst the risk metrics are weaker, they are not materially so and not enough to suggest that the funding strategy are unduly exposed to climate change risk. The Fund will continue to monitor this risk as more information emerges and climate change modelling techniques evolve.

Final comments

Final comments

The Fund's valuation operates within a broader framework, and this document should be considered alongside the following:

- The Funding Strategy Statement, which in particular highlights how different types of employer in different circumstances have their contributions calculated
- The Investment Strategy Statement, which sets out the investment strategy for the Fund
- The general governance of the Fund, such as meetings of the Pensions Committee and Local Pensions Board, decisions delegated to officers, the Fund's business plan, etc
- The Fund's risk register

New employers joining the Fund

Any new employers or admission bodies joining the Fund should be referred to the Fund Actuary to assess the required level of contribution. Depending on the number of transferring members the ceding employer's rate may also need to be reviewed.

Cessations and bulk transfers

Any employer who ceases to participate in the Fund should be referred to the Fund Actuary in accordance with Regulation 64 of the LGPS regulations.

Any bulk movement of scheme members:

- involving 10 or more scheme members being transferred from or to another LGPS fund
- involving 2 or more scheme members being transferred from or to a non-LGPS pension arrangement

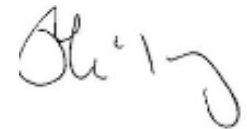
should be referred to the Fund Actuary to consider the impact on the Fund.

Valuation frequency

Under the LGPS regulations, the next formal valuation of the Fund is due to be carried out as at 31 March 2025 where contribution rates payable from 1 April 2026 will be set.



Tom Hoare FFA
31 March 2023
For and on behalf of Hymans Robertson LLP



Robert McInroy FFA

Appendices

APPENDIX 1

Data

Membership data

A summary of the membership data provided by the Fund for the 2022 valuation is set out in Table 13. The corresponding membership data from the previous valuation is also shown for reference.

The results of the valuation are dependent on the quality of the data used. We have carried out a series of validation checks on the data supplied to us by the Administering Authority to ensure that it is fit for purpose.

Asset data

To check the membership data and derive employer asset values, we have used asset and accounting data and employer level cashflow data provided by the Fund.

Table 13: Whole fund membership data as at 31 March 2022 and 31 March 2019

Whole Fund Membership Data	This Valuation 31 March 2022	Last Valuation 31 March 2019
Employee members		
Number	20,785	20,348
Total actual pay (£000)	388,171	337,294
Total accrued pension (£000)	64,572	53,151
Average age (liability weighted)	53.0	52.4
Deferred pensioners (including undecideds)		
Number	39,040	34,672
Total accrued pension (£000)	47,094	40,036
Average age (liability weighted)	53.1	52.1
Pensioners and dependants		
Number	17,612	15,733
Total pensions in payment (£000)	84,468	74,530
Average age (liability weighted)	69.9	69.0

APPENDIX 1

Data

Investment strategy

A summary of the investment strategy allocation used for the calculation of employer contribution rates and to derive the future assumed investment return is set out in Table 14.

This information is as set out in the Fund’s Investment Strategy Statement.

Table 14: Investment strategy used for the 2022 valuation

% allocation	Core Strategy
UK equities	15.0%
Global equities	32.0%
Emerging Market Equities	4.0%
Private equity	10.0%
Index-linked bonds	7.0%
Secured income	5.0%
Corporate bonds	4.0%
Multi asset credits	5.0%
Property	8.0%
Private debt	5.0%
Infrastructure debt	5.0%
Total	100.0%

APPENDIX 2

Assumptions

To set and agree assumptions for the valuation, the Fund carried out in-depth analysis and review in May 2022 with the final set agreed by the Pensions Committee on 10 June 2022.

Financial assumptions

Setting employer contribution rates

An asset-liability model is used to set employer contributions at the 2022 valuation. This model relies on Hymans Robertson's proprietary economic model, the Economic Scenario Service (ESS). The ESS reflects the uncertainty associated with future levels of inflation and asset returns and the interactions and correlations between different asset classes and wider economic variables. In the short term (first few years), the models are fitted with current financial market expectations. Over the longer term, models are built around views of fundamental economic parameters, for example equity risk premium, credit spreads and long term inflation. The table below shows the calibration of the ESS at 31 March 2022. Further information on the assumptions used for contribution rate setting is included in the Funding Strategy Statement.

Table 15: ESS individual asset class return distributions at 31 March 2022

Time period	Percentile	Annualised total returns										Inflation/Yields				
		Index Linked Gilts (medium)	UK Equity	Private Equity	Property	UK Infrastructure Debt	Emerging Markets Equity	Multi Asset Credit (sub inv grade)	Global High Yield Debt	All World ex UK Equity in GBP unhedged	Corp Medium A	Inflation (RPI)	17 year real yield (RPI)	Inflation (CPI)	17 year real yield (CPI)	17 year yield
10 years	16 th	-1.9%	-0.4%	-1.2%	-0.6%	-0.3%	-2.5%	1.7%	0.6%	-0.4%	-0.1%	2.4%	-1.7%	1.6%	-1.7%	1.1%
	50 th	0.2%	5.7%	9.4%	4.4%	2.2%	5.8%	3.5%	3.4%	5.8%	1.6%	4.1%	-0.5%	3.3%	-0.5%	2.5%
	84 th	2.4%	11.6%	20.1%	9.5%	4.3%	14.4%	5.2%	5.8%	11.9%	3.2%	5.7%	0.7%	4.9%	0.7%	4.3%
20 years	16 th	-1.5%	1.7%	2.4%	1.4%	1.2%	0.1%	2.8%	2.1%	1.8%	1.1%	1.6%	-0.7%	1.2%	-0.7%	1.3%
	50 th	0.1%	6.2%	10.0%	5.0%	2.7%	6.3%	4.4%	4.2%	6.3%	2.1%	3.1%	1.0%	2.7%	1.1%	3.2%
	84 th	1.9%	10.6%	17.6%	8.9%	4.2%	12.8%	6.0%	6.4%	11.1%	3.2%	4.7%	2.7%	4.3%	2.7%	5.7%
40 years	16 th	-0.3%	3.2%	4.7%	2.6%	2.3%	2.1%	3.6%	3.1%	3.4%	2.0%	1.1%	-0.6%	0.9%	-0.6%	1.1%
	50 th	1.2%	6.7%	10.3%	5.5%	3.7%	6.8%	5.3%	5.1%	6.8%	3.1%	2.4%	1.3%	2.2%	1.3%	3.3%
	84 th	3.1%	10.2%	16.1%	8.8%	5.1%	11.7%	7.1%	7.2%	10.4%	4.4%	3.9%	3.2%	3.7%	3.2%	6.1%
Volatility (5yr)		7%	18%	30%	15%	8%	26%	6%	8%	18%	7%	3%		3%		

APPENDIX 2

Assumptions

Financial assumptions

Calculating the funding level

The table below summarises the assumptions used to calculate the funding level at 31 March 2022, along with a comparison at the last valuation.

Table 16: Summary of assumptions used for measuring the funding level, compared to last valuation on 31 March 2019

Assumption	31 March 2022	Required for	31 March 2019
Discount rate	4.6% pa	To place a present value on all the benefits promised to scheme members at the valuation date. The Fund's assets are estimated to have a 70% likelihood of returning above the discount rate.	4.3% pa (based on a 67% likelihood)
Benefit increases/CARE revaluation	2.7% pa	To determine the size of future benefit payments.	2.3% pa
Salary increases	2.7% pa	To determine the size of future final-salary linked benefit payments.	2.3% pa

Allowing for the McCloud remedy

Allowance has been included for this expected benefit change at the 2022 valuation as directed by the Department of Levelling Up, Housing and Communities [in their letter dated March 2022](#)¹. Further technical detail about this assumption is set out in guide 13 of [Hymans Robertson's LGPS 2022 valuation toolkit](#)²

APPENDIX 2

Assumptions

Demographic assumptions

The same demographic assumptions are used in setting contribution rates and assessing the current funding level.

Longevity

Table 17: Summary of longevity assumptions

This valuation 31 March 2022		Last valuation 31 March 2019
Baseline assumption	VitaCurves based on member-level lifestyle factors	VitaCurves based on member-level lifestyle factors
Future improvements	CMI 2021 model Initial addition = 0.25% (both Female and Male) Smoothing factor = 7.0 1.5% pa long-term rate of improvement	CMI 2018 model Initial addition = 0.25% (Female), 0.5% (Male) Smoothing factor = 7.0 1.25% pa long-term rate of improvement

Further information on these assumptions can be provided upon request. Sample rates are included on the next page.

Other demographic assumptions

Table 18: Summary of other demographic assumptions

Death in service	See sample rates in Tables 19 & 20
Retirements in ill health	See sample rates in Tables 19 & 20
Withdrawals	See sample rates in Tables 19 & 20
Promotional salary increases	See sample rates in Tables 19 & 20
Commutation	50% of future retirements elect to exchange pension for additional tax free cash up to HMRC limits
50:50 option	1.0% of members (uniformly distributed across the age, service and salary range) will choose the 50:50 option
Retirement age	The earliest age at which a member can retire with their benefits unreduced
Family details	A varying proportion of members are assumed to have a dependant at retirement or on earlier death. For example, at age 60 this is assumed to be 90% for males and 85% for females. The dependant of a male member is assumed to be 3 years younger than him and the dependent of a female member is assumed to be 3 years older than her.

APPENDIX 2

Assumptions

Sample rates for demographic assumptions

Males

Table 19: Sample rates of male demographic assumptions

Age	Salary Scale	Death Before Retirement	Withdrawals		III Health Tier 1		III Health Tier 2	
FT & PT			FT	PT	FT	PT	FT	PT
20	105	0.17	485.17	1000.00	0.00	0.00	0.00	0.00
25	117	0.17	320.47	859.24	0.00	0.00	0.00	0.00
30	131	0.20	227.38	609.56	0.00	0.00	0.00	0.00
35	144	0.24	177.66	476.20	0.10	0.07	0.02	0.01
40	150	0.41	143.04	383.27	0.16	0.12	0.03	0.02
45	157	0.68	134.35	359.94	0.35	0.27	0.07	0.05
50	162	1.09	110.75	296.36	0.90	0.68	0.23	0.17
55	162	1.70	87.21	233.50	3.54	2.65	0.51	0.38
60	162	3.06	77.73	208.03	6.23	4.67	0.44	0.33
65	162	5.10	0.00	0.00	11.83	8.87	0.00	0.00

Females

Table 20: Sample rates of female demographic assumptions

Age	Salary Scale	Death Before Retirement	Withdrawals		III Health Tier 1		III Health Tier 2	
FT & PT			FT	PT	FT	PT	FT	PT
20	105	0.10	422.91	654.32	0.00	0.00	0.00	0.00
25	117	0.10	284.56	440.22	0.10	0.07	0.02	0.01
30	131	0.14	238.54	368.96	0.13	0.10	0.03	0.02
35	144	0.24	205.88	318.33	0.26	0.19	0.05	0.04
40	150	0.38	171.35	264.85	0.39	0.29	0.08	0.06
45	157	0.62	159.90	247.11	0.52	0.39	0.10	0.08
50	162	0.90	134.81	208.11	0.97	0.73	0.24	0.18
55	162	1.19	100.59	155.44	3.59	2.69	0.52	0.39
60	162	1.52	81.07	125.12	5.71	4.28	0.54	0.40
65	162	1.95	0.00	0.00	10.26	7.69	0.00	0.00

Figures are incidence rates per 1,000 members except salary scale. FT and PT denoted full-time and part-time members respectively.

APPENDIX 3

Reliances and limitations

We have been commissioned by Oxfordshire County Council (“the Administering Authority”) to carry out a full actuarial valuation of the Oxfordshire County Council Pension Fund (“the Fund”) as at 31 March 2022 as required under Regulation 62 of the Local Government Pension Scheme Regulations 2013 (“the Regulations”).

This report is addressed to the Administering Authority. It has been prepared by us as actuaries to the Fund and is solely for the purpose of summarising the main outcomes of the 2022 actuarial valuation. It has not been prepared for any other third party or for any other purpose. We make no representation or warranties to any third party as to the accuracy or completeness of this report, no reliance should be placed on this report by any third party and we accept no responsibility or liability to any third party in respect of it.

Hymans Robertson LLP is the owner of all intellectual property rights in this report. All such rights are reserved.

This summary report is the culmination of other communications in relation to the valuation, in particular:

- Our [2022 valuation toolkit](#) which sets out the methodology used when reviewing funding plans
- Our paper to the Fund dated February 2022 which discusses the funding strategy for the Fund’s major employers
- Our paper to the Fund’s Pension Committee dated 18 May 2022 which discusses the valuation assumptions
- Our initial results report dated 23 August 2022 which outlines the whole fund results and inter-valuation experience

- Our data report which summarises the data used for the valuation, the approach to ensuring it is fit for purpose and any adjustments made to it during the course of the valuation
- The Funding Strategy Statement which details the approach taken to adequately fund the current and future benefits due to members

The totality of our advice complies with the Regulations as they relate to actuarial valuations.

The following Technical Actuarial Standards apply to this advice, and have been complied with where material and to a proportionate degree. They are:

- TAS100 – Principles for technical actuarial work
- TAS300 – Pensions

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APPENDIX 4

Glossary

Term	Explanation
50:50 option	An option for LGPS members to pay half contributions and earn half the retirement benefit (pre-retirement protection benefits are unreduced).
Asset-liability modelling	An approach to modelling and understanding risk for a pension fund. The assets and liabilities are projected forward into the future under many different future scenarios of inflation, investment returns and interest rates. The future scenarios are then analysed to understand the risk associated with a particular combination of contribution rates and investment strategy. Different combinations of contribution rates and/or investment strategies may be tested.
Baseline longevity	The rates of death (by age and sex) in a given group of people based on current observed data.
Club Vita	A firm of longevity experts we partner with for longevity analysis. They combine data from thousands of pension schemes and use it to create detailed baseline longevity assumptions at member-level, as well as insight on general longevity trends and future improvements.
Commutation	The option for members to exchange part of their annual pension for a one-off lump sum at retirement. In the LGPS, every £1 of pension exchanged gives the member £12 of lump sum. The amounts that members commute is heavily influenced by tax rules which set an upper limit on how much lump sum can be taken tax-free.
CPI inflation	The annual rate of change of the Consumer Prices Index (CPI). The CPI is the UK government's preferred measure of inflation and is the measure used to increase LGPS (and all other public sector pension scheme) benefits each year.
Deferred pensioners	A former employee who has left employment (or opted out of the pension fund) but is not yet in receipt of their benefits from the fund.
Demographic assumptions	Assumptions concerned with member and employer choices rather than macroeconomic or financial factors. For example, retirement age or promotional salary scales. Demographic assumptions typically determine the timing of benefit payments.

APPENDIX 4

Glossary

Term	Explanation
Discount rate	A number used to place a single value on a stream of future payments, allowing for expected future investment returns.
Employee members	Members who are currently employed by employers who participate in the fund and paying contributions into the fund.
ESS	Economic Scenario Service - Hymans Robertson's proprietary economic scenario generator used to create thousands of simulations of future inflation, asset class returns and interest rates.
Funding position	The extent to which the assets held by the fund at 31 March 2022 cover the accrued benefits ie the liabilities. The two measures of the funding position are: <ul style="list-style-type: none">• the funding level - the ratio of assets to liabilities; and• the funding surplus/deficit - the difference between the asset and liabilities values.
Inflation	Prices tend to increase over time, which is called inflation. Inflation is measured in different ways, using a different 'basket' of goods and mathematical formulas.
Liabilities	An employer's liability value is the single value at a given point in time of all the benefit payments expected to be made in future to all members. Benefit payments are projected using demographic and financial assumptions and the liability is calculated using a discount rate.
Longevity improvements	An assumption about how rates of death will change in future. Typically we assume that death rates will fall and life expectancies will improve over time, continuing the long-running trend.
Pensioners	A former employee who is in receipt of their benefits from the fund. This category includes eligible dependants of the former employee.

APPENDIX 4

Glossary

Term	Explanation
Primary rate	The estimated cost of future benefits, expressed in percentage of pay terms. The primary rate will include an allowance to cover the fund’s expenses.
Prudence	To be prudent means to err on the side of caution in the overall set of assumptions. We build prudence into the choice of discount rate by choosing an assumption with a prudence Level of more than 50%. All other assumptions aim to be best estimate.
Prudence Level	A percentage indicating the likelihood that a discount rate assumption will be achieved in practice, based on the ESS model. The higher the prudence level, the more prudent the discount rate is.
Secondary rate	An adjustment to the primary rate, generally to reflect costs associated with benefits that have already been earned up to the valuation date. This may be expressed as a percentage of pay and/or monetary amount.
Withdrawal	Refers to members leaving the scheme before retirement. These members retain an entitlement to an LGPS pension when they retire, but are no longer earning new benefits.

Rates & Adjustments certificate

Rates and Adjustments Certificate

In accordance with Regulation 62 of the LGPS regulations, we have assessed the contributions that should be paid into the Oxfordshire County Council Pension Fund (the Fund) by participating employers for the period 1 April 2023 to 31 March 2026 in order to maintain the solvency of the Fund.

The method and assumptions used to calculate the contributions set out in this Rates and Adjustments certificate are detailed in the Funding Strategy Statement dated December 2022 and in Appendix 2 of the report on the actuarial valuation dated 31 March 2023. These assumptions underpin our estimate of the number of members who will become entitled to a payment of pensions under the provisions of the LGPS and the amount of liabilities arising in respect of such members.

The table below summarises the whole fund primary and secondary contribution rates for the period 1 April 2023 to 31 March 2026. The primary rate is the payroll weighted average of the underlying individual employer primary rates and the secondary rate is the total of the underlying individual employer secondary rates, calculated in accordance with the LGPS regulations and CIPFA guidance. The secondary rate has been shown both as a monetary amount and an equivalent percentage of the projected pensionable pay.

This valuation 31 March 2022		
Primary rate	18.9% of pay	
Secondary rate	Monetary amount	Equivalent to % of payroll
	2023/24	£7,248,000 1.8%
	2024/25	£7,408,000 1.8%
	2025/26	£7,573,000 1.8%

The required minimum contribution rates for each employer in the Fund are set out in the remained of this certificate.

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Oxfordshire County Council									
1	Oxfordshire County Council	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
76	Order St John Care Trust	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
168	Fresh Start Ltd (Bloxham School Contract)	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
177	PAM Wellbeing Ltd	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
188	Rapid Commercial Cleaning Ltd	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
216	The School Lunch Company (St Kenelm's C of E Primary School	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
227	Edwards and Ward (St Andrews C.E. Primary School)	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
251	Groundworks South Ltd.	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
263	Rapid Clean - Stockham	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
267	TSLC -St Michaels Oxford	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
270	EnergyKidz - John Hampden	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
272	The School Lunch Company - Orchard Fields Community School, Banbury	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
279	The School Lunch Company - Great Milton Church of England Primary School	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
283	SLC St Nicolas' C of E Primary Abingdon	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
294	Fresh Start Catering Limited - St Mary's Catholic Primary School, Bicester	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
298	Oxfordshire Local Enterprise Partnership (OxLEP)	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
317	The Camden Society - Lot 1	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
318	The Camden Society - Lot 2	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
323	SLC - Windmill	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
343	Clarendon - Clanfield	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
346	SLC - Bure Park	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Oxfordshire County Council (continued)									
350	Calber - Caldecott	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
357	M Group Services	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
365	All Care (GB) Ltd	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	
374	Yorkshires - OCC (St Francis CEP, Cowley)	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	3
375	Community Integrated Care - OCC	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	3
377	Fresh Start - OCC (West Witney Primary)	18.4%	1.5%	1.5%	1.5%	19.9%	19.9%	19.9%	3
West Oxfordshire District Council									
2	West Oxfordshire District Council	24.1%	-6.5% plus £746,000	-6.5% plus £766,000	-6.5% plus £786,000	17.6% plus £746,000	17.6% plus £766,000	17.6% plus £786,000	
189	UBICO Limited	24.1%	-6.5%	-6.5%	-6.5%	17.6%	17.6%	17.6%	
260	Publica (WODC outsourcing)	24.1%	-6.5%	-6.5%	-6.5%	17.6%	17.6%	17.6%	
South Oxfordshire District Council									
3	South Oxfordshire District Council	17.8%	£411,000	£411,000	£411,000	17.8% plus £411,000	17.8% plus £411,000	17.8% plus £411,000	
190	Greenwich Leisure Limited	17.8%	5.3%	5.3%	5.3%	23.1%	23.1%	23.1%	
Vale of the White Horse District Council									
5	Vale of the White Horse District Council	17.8%	£767,000	£767,000	£767,000	17.8% plus £767,000	17.8% plus £767,000	17.8% plus £767,000	
96	Capita Vale	17.8%				17.8%	17.8%	17.8%	2
Oxford City Council									
6	Oxford City Council	18.1%	2.5%	2.5%	2.5%	20.6%	20.6%	20.6%	1
104	Fusion Lifestyle	18.1%	2.5%	2.5%	2.5%	20.6%	20.6%	20.6%	
268	Oxford Direct Services	18.1%	2.5%	2.5%	2.5%	20.6%	20.6%	20.6%	
Cherwell District Council									
4	Cherwell District Council	18.2%	10.2%	10.2%	10.2%	28.4%	28.4%	28.4%	1

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Academy Pools									
Abingdon Learning Trust									
118	Abingdon Learning Trust	19.8%	1.4%	1.4%	1.4%	21.2%	21.2%	21.2%	
329	Direct Cleaning - ALT John Mason	19.8%	1.4%	1.4%	1.4%	21.2%	21.2%	21.2%	
Acer Trust									
211	Acer Trust	19.3%	1.0%	1.0%	1.0%	20.3%	20.3%	20.3%	
354	Cater Link - ACER - Botley school	19.3%	1.0%	1.0%	1.0%	20.3%	20.3%	20.3%	
Activate Learning and Education Trust									
213	Activate Learning and Education Trust	18.9%	1.4%	1.4%	1.4%	20.3%	20.3%	20.3%	
382	KGB Cleaning - ALET (Bicester School & Tech)	18.9%	1.4%	1.4%	1.4%	20.3%	20.3%	20.3%	3
Aspirations Academy Trust									
130	Aspiration Academy (Banbury Dashwood Schools Federation)	19.1%	2.7%	2.7%	2.7%	21.8%	21.8%	21.8%	
174	Cara Services Limited	19.1%	2.7%	2.7%	2.7%	21.8%	21.8%	21.8%	
220	Edwards and Ward (Banbury Dashwood Academy)	19.1%	2.7%	2.7%	2.7%	21.8%	21.8%	21.8%	
Bernwode Schools Trust									
178	Bernwode Schools Trust	19.6%	1.6%	1.6%	1.6%	21.2%	21.2%	21.2%	
292	Alliance in Partnership Limited – The Cooper School (Bicester Learning Academy)	19.6%	1.6%	1.6%	1.6%	21.2%	21.2%	21.2%	
Eynsham Partnership									
120	Eynsham Partnership Academy Trust	19.3%	0.7%	0.7%	0.7%	20.0%	20.0%	20.0%	
353	KGB Cleaning - Eynsham PAT	19.3%	0.7%	0.7%	0.7%	20.0%	20.0%	20.0%	
359	DOLCE - EPA	19.3%	0.7%	0.7%	0.7%	20.0%	20.0%	20.0%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Academy Pools (continued)									
Mill Academy									
126	The Mill Academy	19.4%	1.8%	1.8%	1.8%	21.2%	21.2%	21.2%	
257	Alliance in Partnership Limited – Queen Emma's	19.4%	1.8%	1.8%	1.8%	21.2%	21.2%	21.2%	
380	Stir Food Ltd - Mill Academy (Queen Emmas)	19.4%	1.8%	1.8%	1.8%	21.2%	21.2%	21.2%	3
Oxford Diocesan Schools Trust									
136	Oxford Diocesan Schools Trust	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
193	The School Lunch Company (The Batt CE Primary School, Witney)	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
217	The School Lunch Company (North Hinksey CE Primary School)	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
221	Edwards and Ward (Benson C.E. Primary School)	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
269	TSLC - The Blake, Cogges	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
274	The School Lunch Company - Wroxton C of E School (Oxford Diocesan Schools Trust)	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
278	The School Lunch Company - ODST (St Mary's C of E Infant School, Witney cleaning)	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
344	SLC - ODST Bampton	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
345	Cater Link ODST Frideswide	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
356	Yorkshires - ODST - St Christpher's	19.4%	0.8%	0.8%	0.8%	20.2%	20.2%	20.2%	
Pope Francis MAC									
180	The Pope Francis MAC	19.5%	1.0%	1.0%	1.0%	20.5%	20.5%	20.5%	
313	Intelligent Workplace Solutions Ltd - Pope Francis MAC (OPEN Admission Agreement)	19.5%	1.0%	1.0%	1.0%	20.5%	20.5%	20.5%	
370	Cleantec - PFMAC (St Gregory the Great)	19.5%	1.0%	1.0%	1.0%	20.5%	20.5%	20.5%	3

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Academy Pools (continued)									
Ridgeway Education Trust									
129	Ridgeway Education Trust	19.1%	5.7%	5.7%	5.7%	24.8%	24.8%	24.8%	
296	Edwards and Ward - Sutton Courtney Primary School	19.1%	5.7%	5.7%	5.7%	24.8%	24.8%	24.8%	
351	Hayward - Ridgeway - St Brinus	19.1%	5.7%	5.7%	5.7%	24.8%	24.8%	24.8%	
River Learning Trust									
123	River Learning Trust	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	
355	Cullinera - RLT - the swan school	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	
360	Edwards and Ward - River Learning Trust - Lot 1 (TOA and Wheatley Park)	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	
361	Edwards and Ward - River Learning Trust - Lot 2 (Chipping Norton)	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	
362	Dolce - River Learning Trust (Lots 6 and 7)	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	
372	Dolce - RLT (Bayards Hill School, Oxford)	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	3
376	Cleantec - River Learning Trust	19.2%	0.0%	0.0%	0.0%	19.2%	19.2%	19.2%	3
The Vale Academy Trust									
114	Vale Academy Trust	19.4%	1.0%	1.0%	1.0%	20.4%	20.4%	20.4%	
324	Ecocleen Vale AT Kind Alfred	19.4%	1.0%	1.0%	1.0%	20.4%	20.4%	20.4%	
371	Edwards & Ward - Vale Academy Trust (catering contract)	19.4%	1.0%	1.0%	1.0%	20.4%	20.4%	20.4%	3
376	Edwards & Ward - Vale Academy Trust (Larkmead School, Abingdon)	19.4%	1.0%	1.0%	1.0%	20.4%	20.4%	20.4%	3
United Learning Trust									
97	United Learning Trust (ULT)	18.7%	-2.0%	-2.0%	-2.0%	16.7%	16.7%	16.7%	
330	Cater Link United Learning	18.7%	-2.0%	-2.0%	-2.0%	16.7%	16.7%	16.7%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Academy Pools (continued)									
Warriner Multi Academy Trust									
205	The School Lunch Company (Bishop Loveday CE Primary School)	19.5%	2.1%	2.1%	2.1%	21.6%	21.6%	21.6%	
212	Warriner MAT	19.5%	2.1%	2.1%	2.1%	21.6%	21.6%	21.6%	
326	Maid Marrions - Warriner MAT	19.5%	2.1%	2.1%	2.1%	21.6%	21.6%	21.6%	
352	Maid Marions 02 - Warriner MAT	19.5%	2.1%	2.1%	2.1%	21.6%	21.6%	21.6%	
(The) Academies Pool									
119	Gillott's School	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
122	Langtree Academy	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
147	Europa School UK	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
162	Cholsey Primary School (OPEN)	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
254	GEMS Didcot Primary Academy School	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
280	Maiden Erlegh Trust	19.5%	-0.2%	-0.2%	-0.2%	19.3%	19.3%	19.3%	
Other Academies									
	Activate Learning and Education Trust	18.9%	1.4%	1.4%	1.4%	20.3%	20.3%	20.3%	
127	Burford Academy School	19.6%	2.8%	2.8%	2.8%	22.4%	22.4%	22.4%	
	CfBT Academy Trust	19.1%				19.1%	19.1%	19.1%	
124	Faringdon Academy of Schools	19.2%	1.9%	1.9%	1.9%	21.1%	21.1%	21.1%	
150	The Gallery Trust	18.8%	0.6%	0.6%	0.6%	19.4%	19.4%	19.4%	
	GLF	18.5%	-0.4%	-0.4%	-0.4%	18.1%	18.1%	18.1%	
154	Ladygrove Park Primary School (OPEN)	19.8%	-0.1%	-0.1%	-0.1%	19.7%	19.7%	19.7%	
184	MacIntyre Academy Trust	17.6%	-1.6%	-1.6%	-1.6%	16.0%	16.0%	16.0%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Other Academies (continued)									
185	Merchant Taylors Oxfordshire AT Ltd	19.6%	-0.3%	-0.3%	-0.3%	19.3%	19.3%	19.3%	
	Propeller Academy Trust	19.2%	0.2%	0.2%	0.2%	19.4%	19.4%	19.4%	
	Radcliffe Academy	19.2%	-0.3%	-0.3%	-0.3%	18.9%	18.9%	18.9%	
	St Johns Academy Trust (OPEN)	20.7%	1.4%	1.4%	1.4%	22.1%	22.1%	22.1%	
	Thame Partnership Academy Trust	19.7%	0.1%	0.1%	0.1%	19.8%	19.8%	19.8%	
	Willowcroft Academy Trust (OPEN)	18.7%	-1.2%	-1.2%	-1.2%	17.5%	17.5%	17.5%	
Further Education Bodies									
40	Abingdon & Witney College	20.0%				20.0%	20.0%	20.0%	
	Activate Learning	19.8%				19.8%	19.8%	19.8%	
	Henley College	20.0%				20.0%	20.0%	20.0%	
	Oxford Brookes University	19.6%	-0.4%	-0.4%	-0.4%	19.2%	19.2%	19.2%	
Town and Parish Council Pool									
7	Abingdon Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
12	Chipping Norton Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
14	Didcot Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
17	Henley on Thames Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
18	Kidlington Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
28	Thame Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
30	Wallingford Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
31	Witney Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
32	Carterton Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Town and Parish Council Pool (continued)									
33	Woodstock Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
36	Bicester Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
37	Sutton Courtenay Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
48	Chinnor Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
60	North Hinksey Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
64	Marcham Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
65	Eynsham Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
70	Cumnor Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
72	Banbury Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
73	Risinghurst & Sandhills Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
75	Chalgrove Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
84	Faringdon Town Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
88	Berinsfield Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
91	Benson Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
102	Old Marston Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
113	Radley Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
128	Hanborough Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
152	Sonning Common Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
158	Bloxham Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
179	Ramsden Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
210	Drayton (Abingdon) Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Town and Parish Council Pool (continued)									
240	Kennington Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
252	Adderbury Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
271	Kingston Bagpuize with Southmoor Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
321	Stonesfield Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
325	Gosford & Water Eaton PC	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
332	Leafield Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
337	Heyford Park PC	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
339	Milton Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
347	Ambroseden Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
348	Blackbird Leys Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
358	Goring Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	
366	Wootton Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
367	Nettlebed Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
368	Sandford St Martin Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
369	Spelsbury Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
373	Shipon under Wychwood Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
379	Bladon Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3
381	Chadlington Parish Council	20.5%	1.2%	1.2%	1.2%	21.7%	21.7%	21.7%	3

Employer code	Employer name	Primary rate (% of pay)	Secondary rate (% of pay plus monetary amount)			Total contributions (primary rate plus secondary rate)			Notes
			2023/24	2024/25	2025/26	2023/24	2024/25	2025/26	
Small Admitted Bodies									
11	A2 Dominion North	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
22	Oxford Archaeological Unit	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
27	Swalcliffe Park School Trust	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
63	Oxford Community Work Agency	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
78	Thames Valley Partnership	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
169	Banbury Museum Trust	20.2%	-3.0%	-3.0%	-3.0%	17.2%	17.2%	17.2%	
Other Admitted Bodies									
	Sanctuary Homes	46.4%	-9.1% plus £131,000	-9.1% plus £131,000	-9.1% plus £131,000	37.3% plus £131,000	37.3% plus £131,000	37.3% plus £131,000	
(Transferee) Admitted Bodies									
262	APCOA Parking Ltd	27.8%	£2,000	£2,000	£2,000	27.8% plus £2,000	27.8% plus £2,000	27.8% plus £2,000	
256	Barnardos	31.7%	-25.9%	-25.9%	-25.9%	5.8%	5.8%	5.8%	
244	Capita	17.8%	0.0%	0.0%	0.0%	17.8%	17.8%	17.8%	2
340	Caterlink - Faringdon Academy	27.1%	-17.5%	-17.5%	-17.5%	9.6%	9.6%	9.6%	
336	Chartwells GLF Aureus x2	19.5%	-19.5%	-19.5%	-19.5%	0.0%	0.0%	0.0%	
261	Hill End	27.1%	-13.6%	-13.6%	-13.6%	13.5%	13.5%	13.5%	
334	HF Trust Lot 8	23.8%	-23.8%	-23.8%	-23.8%	0.0%	0.0%	0.0%	
335	HF Trust Lot 5	23.0%	-23.0%	-23.0%	-23.0%	0.0%	0.0%	0.0%	
341	Maid Marions - Faringdon Academy	24.9%	-6.1%	-6.1%	-6.1%	18.8%	18.8%	18.8%	

Notes to the Rates and Adjustments Certificate

1. This employer has elected to pre-pay elements of their contributions set out in this Rates and Adjustments Certificate. A discount has been applied to the pre-payment amount to reflect the early payment of contributions. The table below sets out more details relating to the pre-payment amount.

Employer	Cherwell DC (4)	Oxford City (6)
Pre-payment amount	£5.78m	£5m
Date payment to be made by	30 April 2023	30 April 2023
Amount payable in respect of		
- 2023/24	£2.01m	£1.73m
- 2024/25	£2.06m	£1.78m
- 2025/26	£2.12m	£1.83m
Rate of discount	4.6% pa	4.6% pa
Revised contributions due*		
- 2023/24	15.9%	13.6%
- 2024/25	15.9%	13.6%
- 2025/26	15.9%	13.6%

*in addition to the pre-payment amount

2. Contribution rate to be updated upon confirmation of final data. An amendment to the Rates & Adjustments certificate will be issued upon the revision of any rates.
3. Post valuation new employer - joined after 1 April 2022.

Further comments to the Rates and Adjustments Certificate

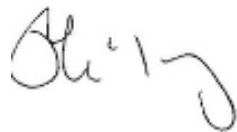
- Contributions expressed as a percentage of payroll should be paid into the Fund at a frequency in accordance with the requirements of the Regulations
- Further sums should be paid to the Fund to meet the costs of any early retirements and/or augmentations using methods and factors issued by us from time to time or as otherwise agreed.
- Payments may be required to be made to the Fund by employers to meet the capital costs of any ill-health retirements that exceed those allowed for within our assumptions.
- The certified contribution rates represent the minimum level of contributions to be paid. Employing authorities may pay further amounts at any time and future periodic contributions may be adjusted on a basis approved by the Fund Actuary.
- The monetary contributions set out in the certificate above can be prepaid in advance with appropriate adjustments for interest as and when agreed with the Administering Authority. Under these circumstances a revised Rates and Adjustments certificate may be issued reflecting any advance payments.



Tom Hoare FFA

31 March 2023

For and on behalf of Hymans Robertson LLP



Robert McInroy FFA

Section 13 Dashboard

Section 13 dashboard

Metric	Unit	2022 valuation
2022 funding position – local funding basis		
Funding level (assets/liabilities)	%	111%
Funding level (change since previous valuation)	%	12% increase
Asset value used at the valuation	£m	£3,280
Value of liabilities (including McCloud liability)	£m	£2,951
Surplus (deficit)	£m	£329
Discount rate – past service	% pa	4.6%
Discount rate – future service	% pa	Past service and future service are consistently valued with the same underlying assumptions, methodologies and models regarding future expected levels of inflation, interest rates and investment returns.
Assumed pension increase (CPI)	% pa	2.7%
Method of derivation of discount rate, plus any changes since previous valuation		There is a 70% likelihood that the Fund's assets will return at least 4.6% over the 20 following the 2022 valuation date. This is the same methodology used for the 2019 valuation but with a higher likelihood (67% at 2019).

Section 13 dashboard

Metric	Unit	2022 valuation
Assumed life expectancy at age 65		
Life expectancy for current pensioners – men age 65	years	22.3
Life expectancy for current pensioners – women age 65	years	24.9
Life expectancy for future pensioners – men age 45	Years	23.0
Life expectancy for future pensioners – women age 45	years	26.3
Past service funding position – SAB basis (for comparison purposes only)		
Market value of assets	£m	£3,280
Value of liabilities	£m	£2,883
Funding level on SAB basis (assets/liabilities)	%	114%
Funding level on SAB basis (change since last valuation)	%	9% increase

Section 13 dashboard

Metric	Unit	2022 valuation	2019 valuation
Contribution rates payable			
Primary contribution rate	% of pay	18.9%	17.4%
Secondary contribution rate (cash amounts in each year in line with CIPFA guidance)			
1 st year of rates and adjustments certificate	£m	£7.248	£11.866
2 nd year of rates and adjustments certificate	£m	£7.408	£12.121
3 rd year of rates and adjustments certificate	£m	£7.573	£12.992
Giving total expected contributions			
1 st year of rates and adjustments certificate (£ figure based on assumed payroll)	£m	£84.486	£71.933
2 nd year of rates and adjustments certificate (£ figure based on assumed payroll)	£m	£86.739	£73.578
3 rd year of rates and adjustments certificate (£ figure based on assumed payroll)	£m	£89.054	£75.872
Assumed payroll (cash amounts in each year)			
1 st year of rates and adjustments certificate	£m	£409.446	£345.100
2 nd year of rates and adjustments certificate	£m	£420.543	£353.086
3 rd year of rates and adjustments certificate	£m	£431.940	£361.257
3 year average total employer contribution rate	% of pay	20.7%	20.9%
Average employee contribution	% of pay	6.6%	6.5%
Employee contribution rate (£ figure based on assumed payroll of £409m)	£m pa	£26.895	£22.300

Section 13 dashboard

Metric	Unit	2022 valuation	2019 valuation
Deficit recovery and surplus spreading plan			
Latest deficit recovery period end date, where this methodology is used by the fund's actuarial advisor	Year	Methodology not used	Methodology not used
Earliest surplus spreading period end date, where this methodology is used by the fund's actuarial advisor	Year	Methodology not used	Methodology not used
The time horizon end date, where this methodology is used by the fund's actuarial advisor	Year	2042	2039
The funding plan's likelihood of success, where this methodology is used by the fund's actuarial advisor	%	70%	75%
Percentage of liabilities relating to employers with deficit recovery periods of longer than 20 years	%	0%	0%
Additional information			
Percentage of total liabilities that are in respect of Tier 3 employers	%	2%	3%
Included climate change analysis/comments in the 2022 valuation report		Yes	
Value of McCloud liability in the 2022 valuation report (on local funding basis)	£m	£1.7	