

Firefighters' Pension Schemes (England)

Valuation Results

Actuarial valuation as at 31st March 2020

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19 December 2023



Highlights

Employer Contribution Rate



Core and Economic Cost Cap Costs

Next steps: There will not be any change to the Employer Contribution Rate as a result of the <u>cost control mechanism</u> at this valuation. The Home Secretary should therefore make arrangements for implementing the revised Employer Contribution Rate of 37.6%* of pensionable pay from 1 April 2024.

* After allowing for 1) ill-health retirement charges, which are expected to equate to 0.8% of pensionable pay, and 2) the expected Home Office payment into the scheme in respect of tax relief for members purchasing benefits during the Matthews second option exercise, estimated to equate to 0.3% of pensionable pay, the rate effective over the implementation period is 37.6% of pensionable pay. ** Monetary amounts are annual, based on pensionable pay at the valuation date.

Highlights

Employer Contribution Rate



2016 Valuation Results

Employer contribution rates for 1992, 2006 and 2015 schemes

% pay	% pay	Scheme % pay
47.0	34.0	35.1
-14.8	-10.8	-12.9
32.2	23.2	22.2
7.3	7.3	7.3
-2.2	-3.1	-0.7
37.3	27.4	28.8
6.5%	0.1%	93.4%
	% pay 47.0 -14.8 32.2 7.3 -2.2 37.3 6.5%	% pay % pay 47.0 34.0 -14.8 -10.8 32.2 23.2 7.3 7.3 -2.2 -3.1 37.3 27.4 6.5% 0.1%

This is the expected rate that has been payable in 22/23 and 23/24 as only the 2015 Scheme remains open to accrual

This has increased 8.8% to 37.6% ←

Next steps: There will not be any change to the Employer Contribution Rate as a result of the <u>cost control mechanism</u> at this valuation. The Home Secretary should therefore make arrangements for implementing the revised Employer Contribution Rate of 37.6%* of pensionable pay from 1 April 2024.

* After allowing for 1) ill-health retirement charges, which are expected to equate to 0.8% of pensionable pay, and 2) the expected Home Office payment into the scheme in respect of tax relief for members purchasing benefits during the Matthews second option exercise, estimated to equate to 0.3% of pensionable pay, the rate effective over the implementation period is 37.6% of pensionable pay. ** Monetary amounts are annual, based on pensionable pay at the valuation date.

Key Results



Changes since 2016

The chart below shows the main factors contributing to the change in the Employer Contribution Rate since the last valuation in 2016.



method. Further details can be found on page 58.

All percentages shown are of pensionable pay per annum and are approximate.

Testing the cost control mechanism

What are the key results

The results of the assessments of the <u>core and economic cost</u> <u>cap costs</u> of the scheme are summarised on this page. Their values are assessed to identify whether both breach the <u>cost</u> <u>cap corridor</u> in the same direction. This would result in a requirement for the Home Secretary to consult on rectifying the breach through changes to benefits or member contribution rates. Any such changes would impact on the <u>Employer</u> <u>Contribution Rate</u>.



consult on changes to the scheme.

All percentages shown are of pensionable pay per annum.

Position within cost cap corridor

25%

The chart below illustrates the position of the <u>core cost cap cost</u> of the scheme and the <u>economic cost cap cost of the scheme</u> against the cost cap corridor.

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As the core cost cap cost of the scheme falls below the <u>cost cap</u> <u>floor</u>, the wider economic situation needs to be taken into account through the economic cost cap cost of the scheme.

As the economic cost cap cost of the scheme does not fall below the cost cap floor, there is no requirement for the Home Secretary to consult on any changes to the scheme.



Data & Assumptions



Scheme data as at 31st March 2020

The results in this report have been based on the data described in our Membership data report dated 19 December 2023 and summarised below. Appendix C of the Membership data report describes the checks, adjustments and reconciliations carried out in preparing this data as well as the approximate impact of any data uncertainty which may still exist.

Information on the data used in the calculation of the estimated additional liability from the <u>Matthews</u> second option exercise can be found in Appendix E of our Membership data report.



Membership over time (000's)



Pension amounts include the April 2020 pension increase.

Summary statistics

Scheme-set assumptions

The results in this report have been based on assumptions, some of which are 'scheme-set' as described in our Advice on assumptions report dated 19 December 2023 and some of which are 'directed', as summarised on page 14.

The table below provides a summary of the changes in scheme-set assumptions since the last valuation in 2016. It also sets out the directional impact of the changes on the results. The Home Secretary and Firefighters' Pensions (England) Scheme Advisory Board have agreed that the scheme-set assumptions are reasonable and appropriately reflect scheme experience where available.

Assumption	Change in assumption adopted	lmpa sche	ct of change on me costs
Mortality after retirement	Move to S3 tables and inclusion of 2016-2020 experience	₽	Lower costs
Proportion commuted	Increase in amount of pension exchanged for cash for some members	₽	Lower costs
Retirement ages	Change to 1992 unprotected assumptions	₽	Lower costs
Rates of leaving service	Increase in rates of withdrawal at all ages for regular members		Lower costs
Promotional pay increases	None	0	No impact
Rates of ill-health retirement	None	0	No impact
Mortality before retirement	None	0	No impact
Family statistics	None	0	No impact

Information on the assumptions used for the calculation of the estimated additional liability from the <u>Matthews</u> second option exercise can be found on page 25 and also in Appendix C3 of our Advice on assumptions report dated 19 December 2023.

HM Treasury Directed Assumptions

Annual financial assumptions



c. Matthews second option exercise

What is the Matthews second option exercise?

The Matthews second option exercise (or "M2") is a programme to enable certain members to elect to buy historic service in the 2006 (Special) Scheme. M2 began in October 2023 in accordance with <u>The Firefighters' Pension Scheme</u> (England) (Amendment) Order 2023.

It arises because of a November 2018 ruling in a legal case involving part-time judges ("O'Brien v MoJ") that effectively broadened the scope of an earlier ruling in the equivalent case for retained firefighters ("Matthews") and which had previously led to the first Matthews option exercise.

HM Treasury Directions require that all relevant liabilities are included within the valuation. Additional liabilities arising as a result of M2 are considered to be relevant.

The <u>Employer Contribution Rate</u> is adjusted to allow for the estimated additional liability by spreading this over a period of 15 years from 1 April 2024. This is shown on page 22 as item 'increase due to Matthews second option exercise'.

The additional liability is estimated using the assumptions summarised on pages 13 and 14 of this report in conjunction with the M2 specific assumptions summarised opposite.

Based on these assumptions we estimate the impact on the employer contribution rate to be an increase of 5.2% of pensionable pay.

Sensitivities to the key assumptions are shown on page 26.

Assumptions used in calculating the liability

Until the options exercise is complete, the quantum of additional benefits that are to be valued is unknown. Accordingly assumptions are made about the number, age and service profile and pay history of members who are eligible together with assumptions about the take-up rate of the option. Where possible these are based on an analysis of relevant available evidence.

Assumption	Value used	Availability of evidence
Eligible firefighters	18,500	Available evidence
Firefighter profile	Employment data from December 2022 survey of 15 FRSs from across England	Available evidence
Pay history	25% of reference pay	Available evidence
Take-up rate	First exercise optants - 100% Other eligible age 55 or over - 70% Other eligible under age 55 - 20% Overall: ~60% members ~70% pension	Limited evidence

Full details of these assumptions can be found in Appendix C3 of our Advice on assumptions report dated 19 December 2023

39.2%

39.1%

39.1%

c. Matthews second option exercise

Sensitivities

Take-up rate

The take-up rate for M2 is currently highly uncertain. The 2023 options exercise has recently begun and is a substantially different offer in different circumstances when compared with the 2014 exercise. Home Office has set the assumption based on first exercise take-up patterns plus a reasonable allowance for local knowledge and M2 circumstances.

The chart below shows the impact on the <u>Employer</u> <u>Contribution Rate</u> of potential higher and lower M2 take-up rate scenarios. Other assumptions are unchanged and these scenarios are not minimum or maximum possible impacts:



These assumptions are based on two surveys of Fire and Rescue Services ('FRSs') in July and December 2022. These included 15 responses detailing known eligible firefighters for FRSs covering a broad spread of regions in England. The actual population of eligible firefighters may differ in practice.

The chart below shows the sensitivity of the <u>Employer</u> <u>Contribution Rate</u> to specified changes in these assumptions. For each, other assumptions are unchanged and a change in the opposite direction will produce approximately equal and opposite changes in the <u>Employer Contribution Rate</u>. These scenarios are not minimum or maximum possible impacts



Scheme-set assumption

All percentages shown are of pensionable pay per annum.