London Borough of Enfield Pension Fund

Cashflow projections

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For and on behalf of Hymans Robertson LLP

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Executive summary

This paper is addressed to London Borough of Enfield as the Administering Authority to the London Borough of Enfield Pension Fund ("the Fund"). The paper considers future projections of the Fund's cashflows under a range of different scenarios. The analysis and projections will help the Fund to better understand its current and potential future cashflow position, a key risk-management issue.

From the analysis and projections set out in this paper, the following conclusions can be drawn:

- In the absence of investment income, the Fund is likely to become cashflow negative in the immediate future after recognising the pension increase of 10.1% in April 2023 and 6.7% in April 2024, as well as pay growth in line with national local government pay award information.
- The cashflow position of the Fund is sensitive to future levels of inflation. The recessionary scenario represents a "hard landing" and associated new period of low inflation. Under this scenario, the Fund's cashflow position is improved (compared to the baseline position).
- In the longer-term, the most significant risk to the Fund (in respect of its cashflow position) is a high inflation scenario, where inflation remains elevated for a longer period. Under this scenario, the Fund is projected to become cashflow negative immediately with the gap increasing to a material level in the longer-term.
- A reduction in contribution rates at the 2025 valuation will reduce the contribution income received by the Fund in the long-term and will worsen the Fund's cashflow position relative to the baseline position.

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Background and inputs

What is cashflow negativity and does it matter?

Every month, the Fund receives income via contributions and pays out benefits to members. Historically, the benefits have been paid out of the contribution income with any excess being invested. This is how the Fund's asset value has built up over time (along with investment returns).

Over time a pension fund will mature, and the level of benefit payments will start to exceed contribution income. At this point, a pension fund is considered "cashflow negative".

Being cashflow negative itself is not unexpected for a pension fund; the assets that have been accrued are for the purpose of paying benefits. However, if the transition to being cashflow negative is not monitored and managed effectively, it can pose a liquidity risk and the Fund may become a forced seller of assets.

After the 2022 valuation, the focus on cashflow is greater given the significant increases in benefits (10.1% at April 2023 and 6.7% at April 2024) due to rising inflation.

Knowing when the Fund is likely to be cash flow negative is helpful as it can have implications for both the funding and investment strategy:

1. Having cash available to meet the Fund's primary objective of paying member benefits
2. The ability to maintain stable contributions over time and withstand volatility from investment markets
3. Understanding the level of cash balance that needs to be retained while avoiding a drag on investment returns
4. Avoiding the risk of being a forced seller of assets at inopportune times
5. Making the most efficient use of income generated by Fund assets
6. Implementing optimum rebalancing and cash management policies

This paper explores the Fund's cashflow position under a variety of different scenarios to inform its approach to cashflow management

Recent cashflow position

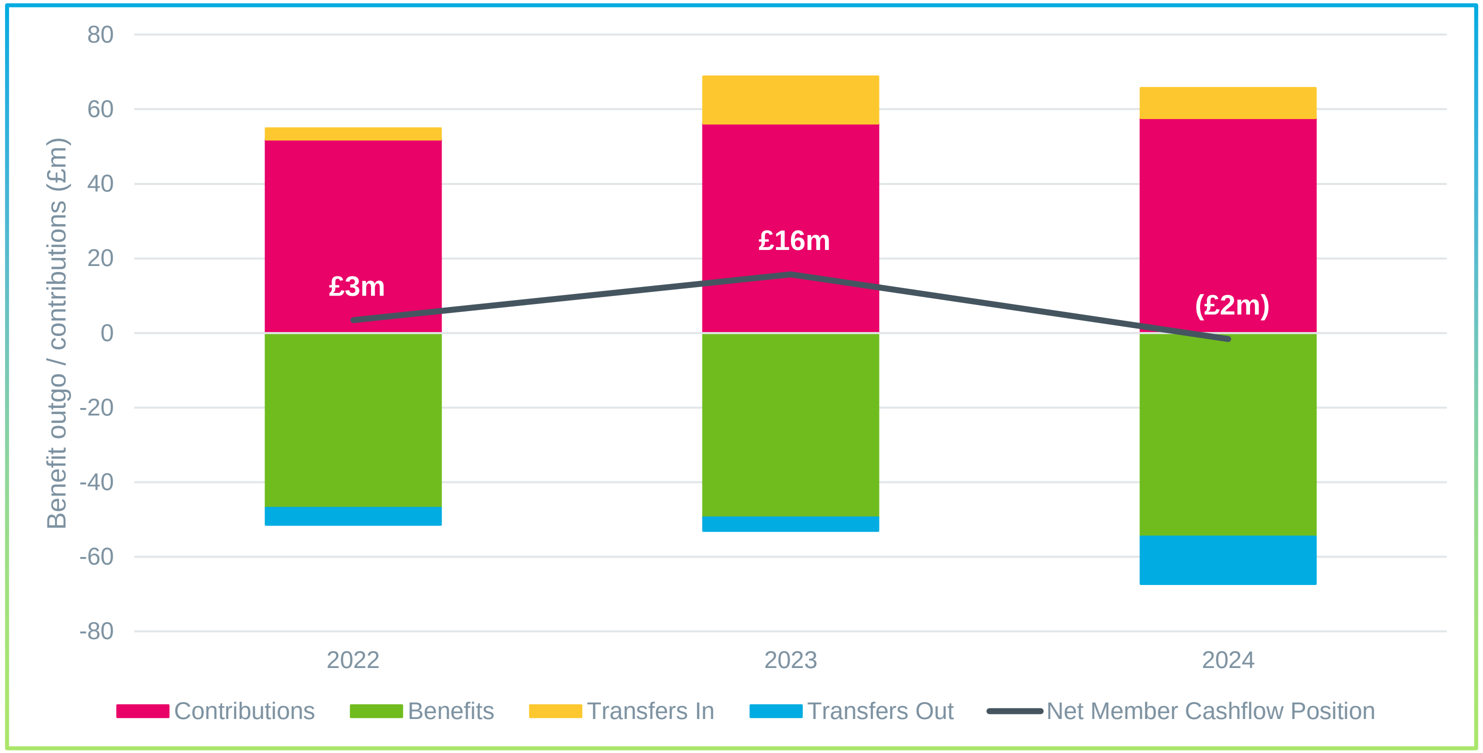
Using the annual report and accounts for years ending 2022, 2023 and 2024 (draft), we have analysed the recent cashflow position for the Fund.

The chart shows the absolute value of contribution income and benefit outgo (bars) and the net cashflow position (line and figures).

During this period, the Fund was mainly cashflow positive, i.e. contribution income exceeded benefit outgo.

Transfers in and out of the Fund can significantly affect the net cashflow position. In 2022/2023, there were c.£13m of transfers into the Fund which helped increase the net cashflow position. However, during 2023/2024 there were c.£13m of transfers out of the Fund which had a negative impact on the net cashflow position.

NB, the average investment income yield (net of fees) is c.1.0% of assets pa.



The cashflow position has been positive in recent years. Excluding the impact of transfers, the current net cashflow position is around £3m (contributions exceeding benefits).

What are the cashflows of the Fund

In this paper we consider the main cashflows in and out of the Fund over the next 10 years from the 2022 valuation date.

The Fund's primary sources of income are:

- Contributions from employers in the Fund
- Contributions from employee members in the Fund
- Income streams generated from the Fund's investments

Contributions paid are estimated based on:

- Assumed total pensionable payroll of £200,584,000 for the 2022/23 financial year
- An allowance for increase in payroll in 2023 and 2024 in line with national local government pay award information.
- The whole Fund average employer and employee contribution rates as set out in the Fund's final 2022 formal valuation report. Thereafter the contribution rate has been assumed to remain stable up to year 20.

The Fund's outflows are the benefits payable to the members and their dependants. These include:

- Retirement lump sums paid to active and deferred members on retirement
- Retirement pensions paid to pensioners and their dependants
- Death in service benefits and ill health benefits.

Transfers in and out of the Fund by individual members are not usually a significant source of income or outflow and typically balance out over time.

The projected cashflows are sensitive to several assumptions. The most significant are:

- Level of future benefit increases (LGPS benefits are generally index-linked and increase in line with Consumer Price Index (CPI) inflation)
- Level of current and future payroll (determines the amount of contributions received)

We have prepared future cashflow projections under a range of different inflation scenarios to inform decision making.
This helps the Fund understand the sensitivity of its cashflow position to these sources of uncertainty and make appropriate management plans.

Data, assumptions and methodology

Membership data

We have used the membership data provided for the 2022 valuation of the Fund.

Assumptions

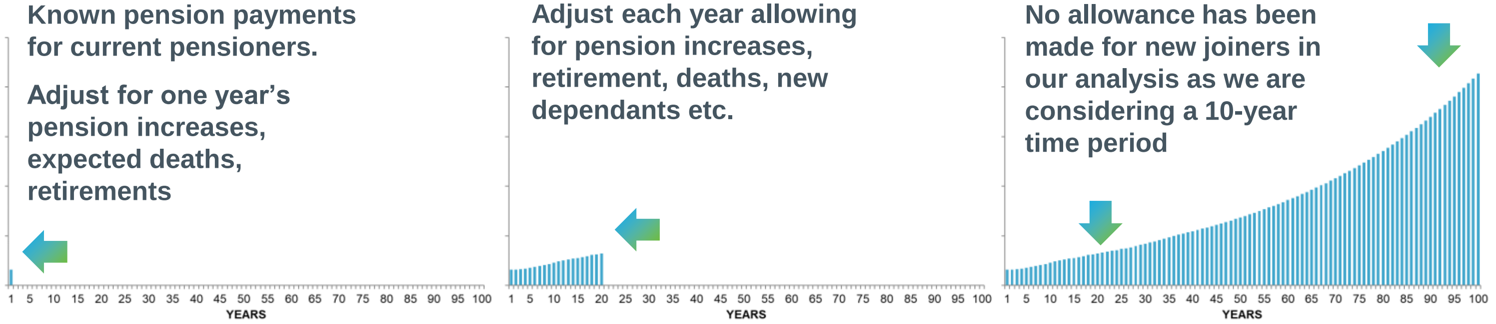
The demographic and financial assumptions are in line with those adopted for the 2022 valuation of the Fund unless stated otherwise.

Further information on the membership data and assumptions is in the final valuation report dated March 2023.

Allowance for benefit outgo in respect of benefits yet to be accrued by current active members is included in the projection; however, given the relatively short timeframe considered, no allowance has been made for benefit outgo in respect of accrual by members yet to join the scheme.

Methodology: how we project benefit payments

Payments many years away will be to new joiners.



Methodology: projecting contribution income

- Payroll is assumed to stay constant in real terms, i.e. it increases in line with the valuation assumption of 3.8% pa, however an allowance has been made for an increase of 7.0% in 2023 and 4.0% in 2024 in line with the national local government pay award information.
- Employer contributions are assumed to be in line with the pattern as set out on page 7
- Employee contributions are based on the weighted average for the Fund at the 2022 valuation (6.8% of pay).

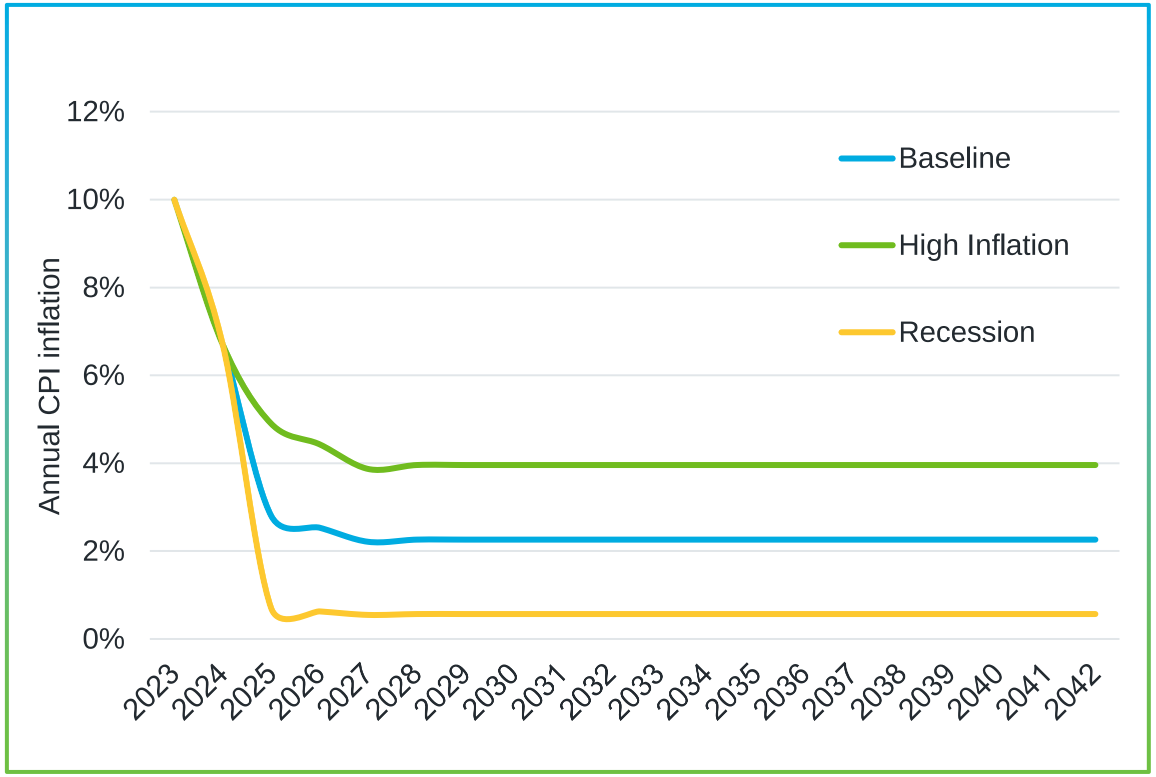
Scenarios explored

Future CPI inflation

Given the sensitivity of future benefit payments to inflation, we have considered three potential scenarios for future inflation. All scenarios recognise a 10.1% increase in benefits in April 2023 and a 6.7% increase to benefits in April 2024:

- Scenario 1: this **baseline** scenario represents consensus forecasts for future inflation based on current market data. This is a combination of short-term market expectations and a longer-term expectation that the rate will tend towards the Bank of England's 2% target.
- Scenario 2: this represents a plausible **recession** scenario, occurring largely due to excess supply over demand because of higher energy and food prices. This results in a "hard landing" and associated new period of low inflation remaining below the Bank of England target.
- Scenario 3: this represents a plausible **high inflation** scenario where inflation remains high due to higher energy and food prices.

In all scenarios we have kept the payroll growth assumption constant at 3.8% pa. However, we have made an allowance for higher pay increases in 2023 and 2024 in line with the national local government pay award information.



Scenarios explored (continued)

Impact of contribution rate reductions

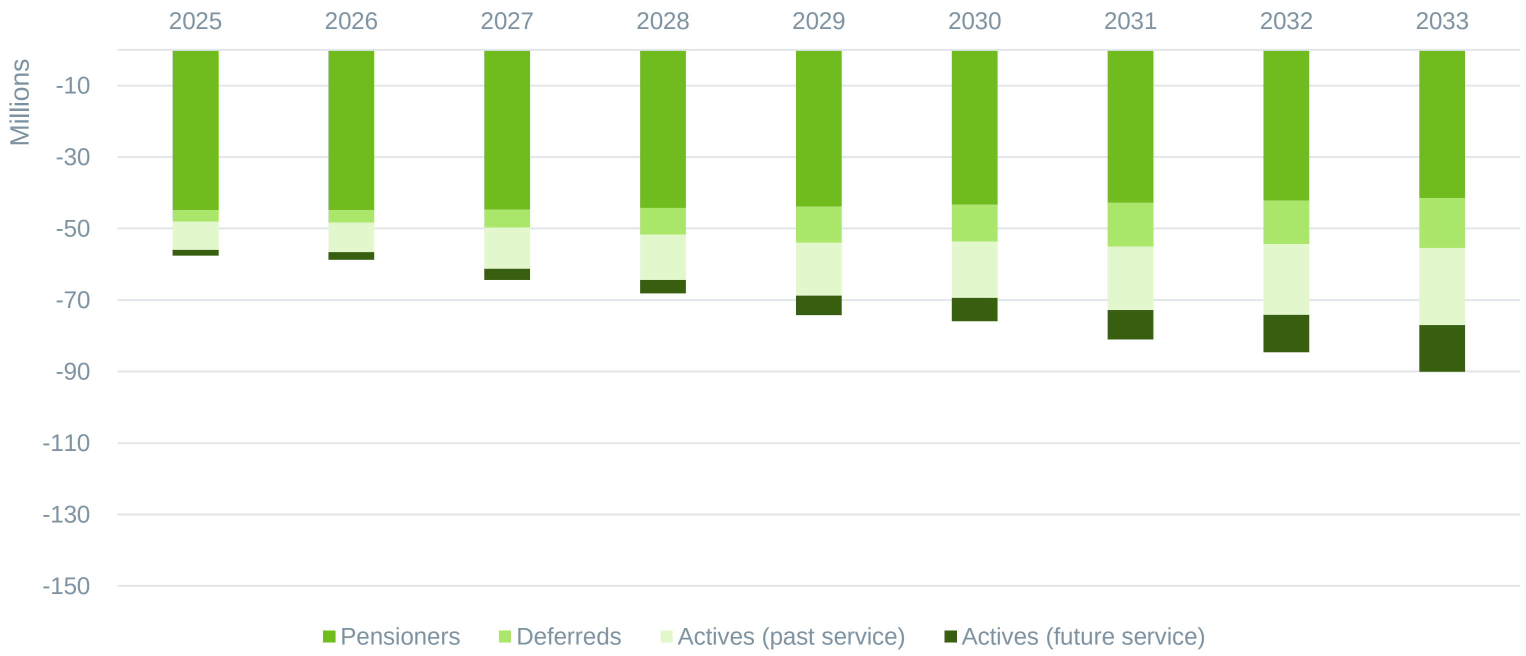
Current market outlook has led to strong funding levels for the majority of the LGPS. We have therefore considered a further scenario relating to a possible reduction in future contribution rates.

This involves the application of a funding strategy at the 2025 valuation like that of the 2022 valuation, where employer contribution rates are reduced by 1% of pay in each of the three years from 2026, and then remain at this reduced level for the remaining projection period.

The results of our analysis under all these scenarios are set out on the following pages

Inflation scenarios

Projected benefit outflows (baseline scenario, consensus inflation)



Notes

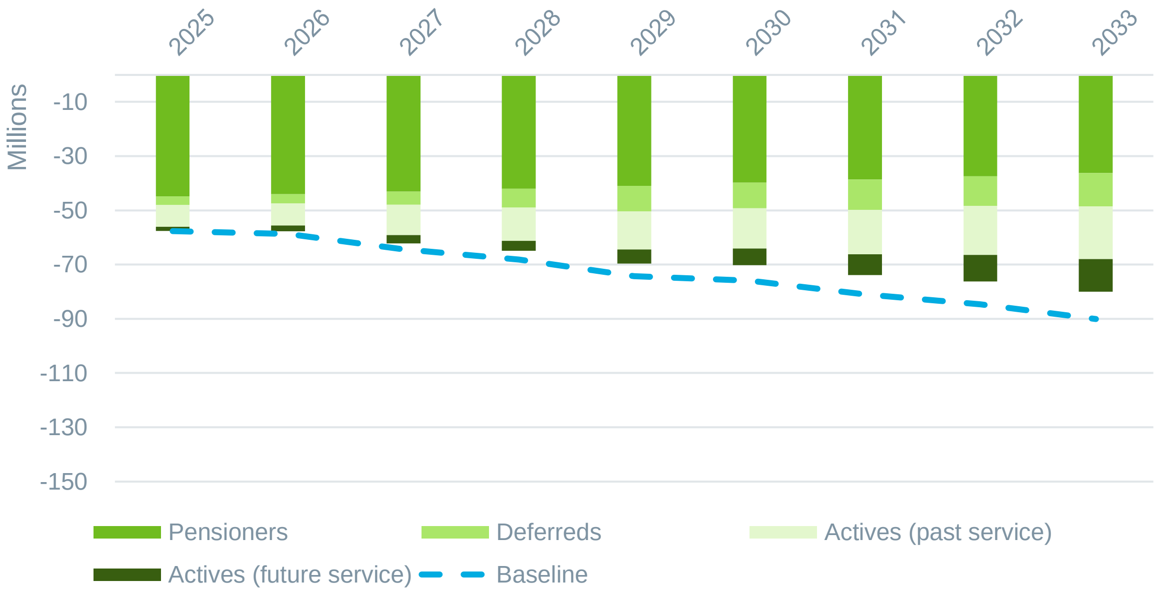
The years along the x-axis (horizontal) refer to the year-end i.e. 2025 means the 2024/25 financial year (from 1 April 2024 to 31 March 2025).

Our model retires all active members who were already past their assumed retirement age at the valuation date (2022) during the following year. However, in reality, the outflows for these members will commence across a longer period.

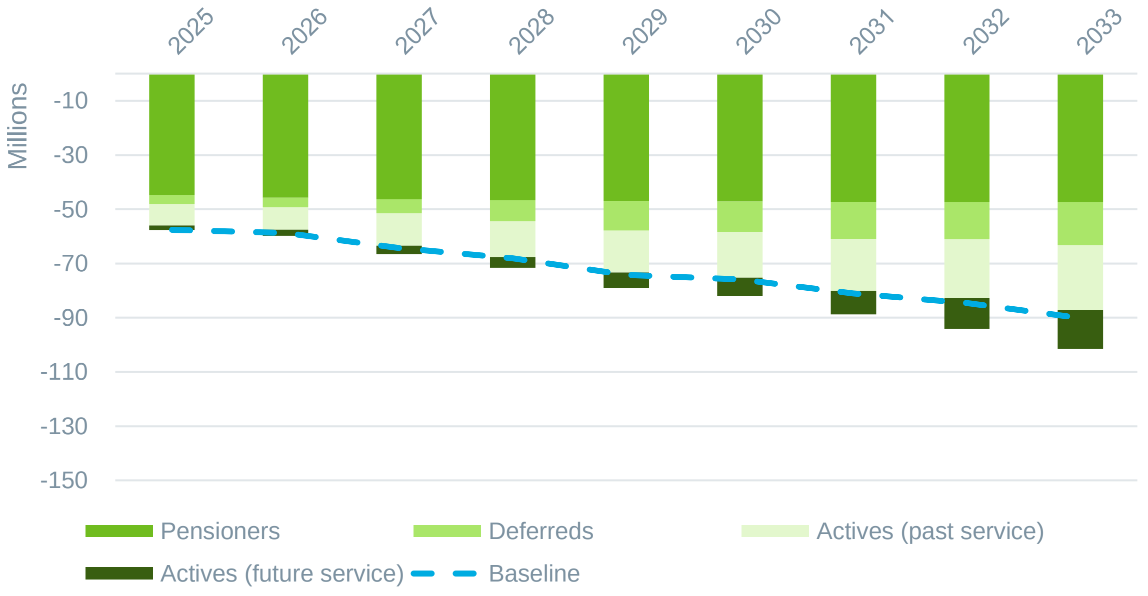
The Fund currently pays around £55m in benefit payments. This is expected to increase to around £90m by 2033.

Projected benefit outflows (alternative inflation scenarios)

Recession

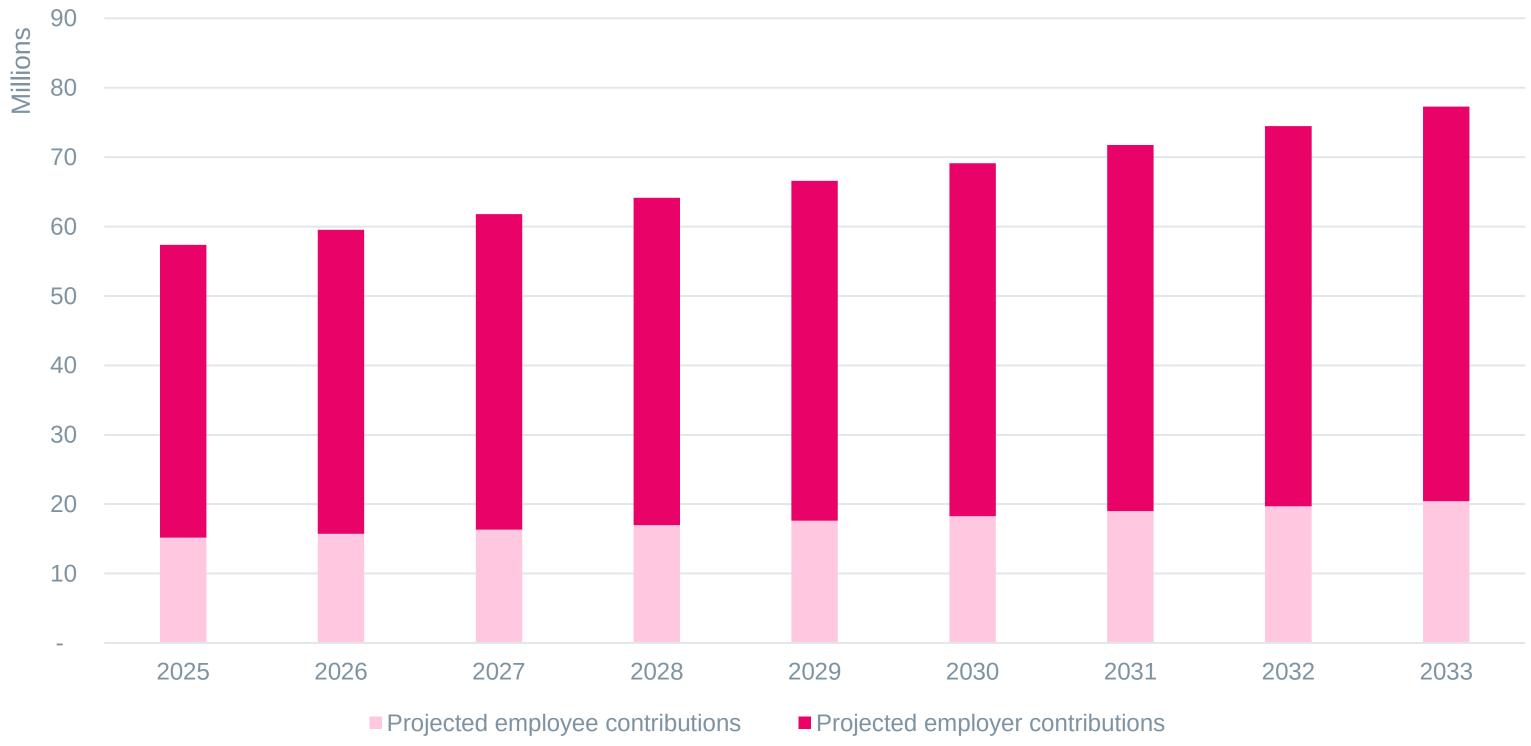


High Inflation



Scenario analysis helps understanding of the impact that inflation may have on future benefit payments
- a difference of c.£30m in annual benefit payment by 2033 (between the recession scenario and the high inflation scenario)

Projected contribution income (all inflation scenarios)



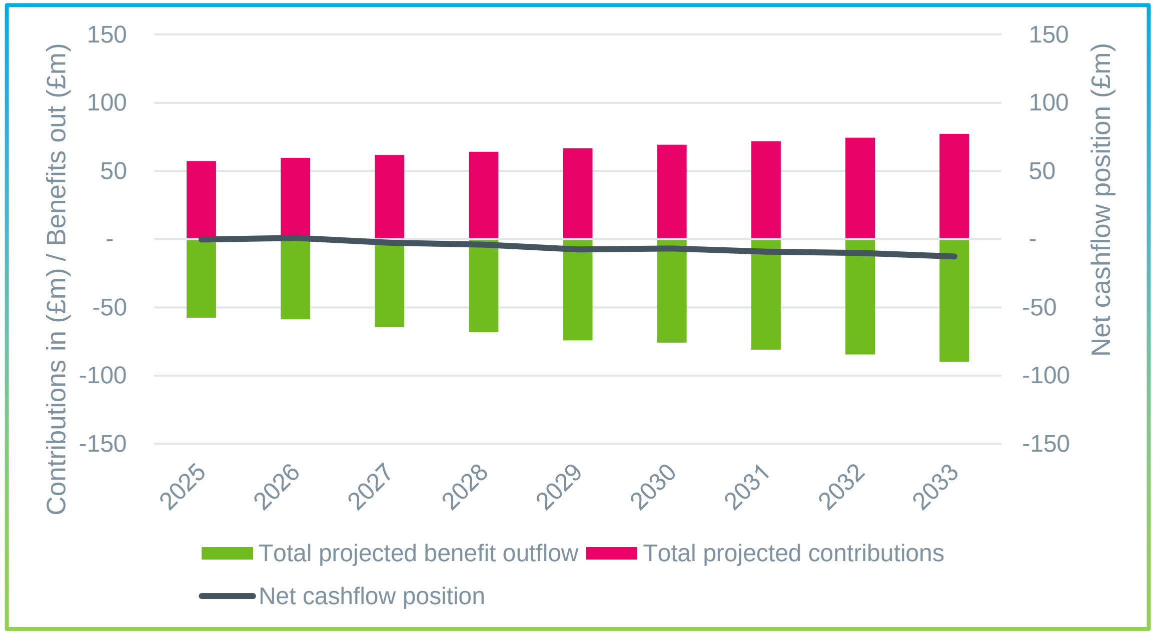
Notes

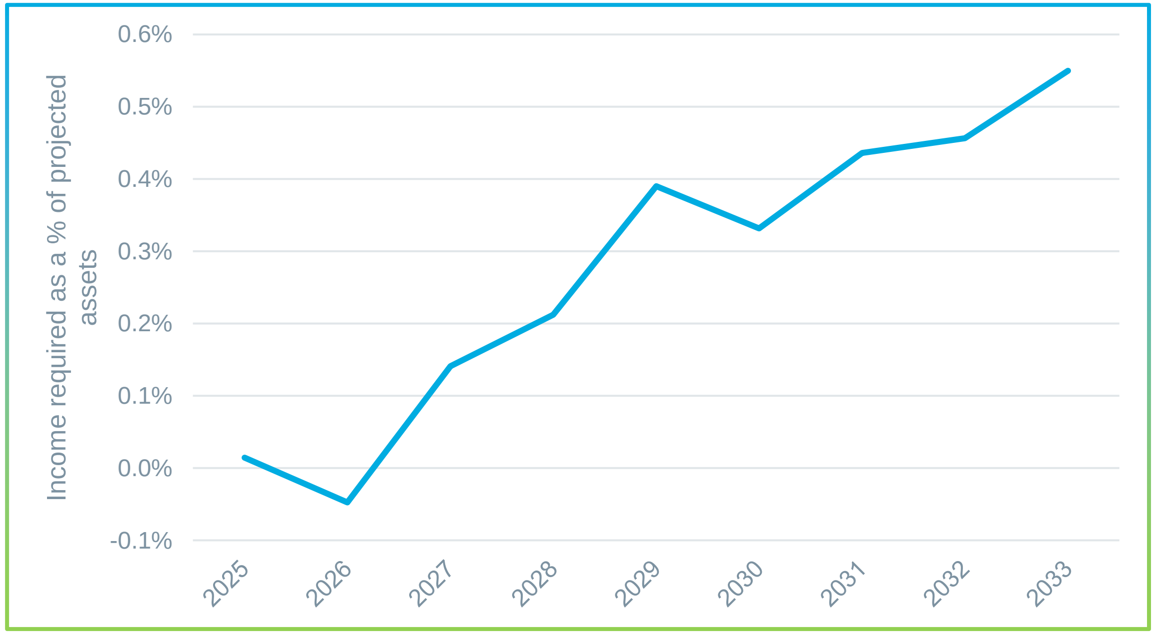
New entrants are assumed to replace leavers, and are implicitly allowed for in the income cashflow by assuming the payroll grows with inflation.

The years along the x-axis refer to the year-end i.e. 2025 means the 2024/25 financial year (from 1 April 2024 to 31 March 2025).

Payroll is assumed to grow at 3.8% pa (in line with the formal valuation), with an allowance for the higher pay award increase in 2023 and 2024.

Whole fund net cashflow (baseline scenario)

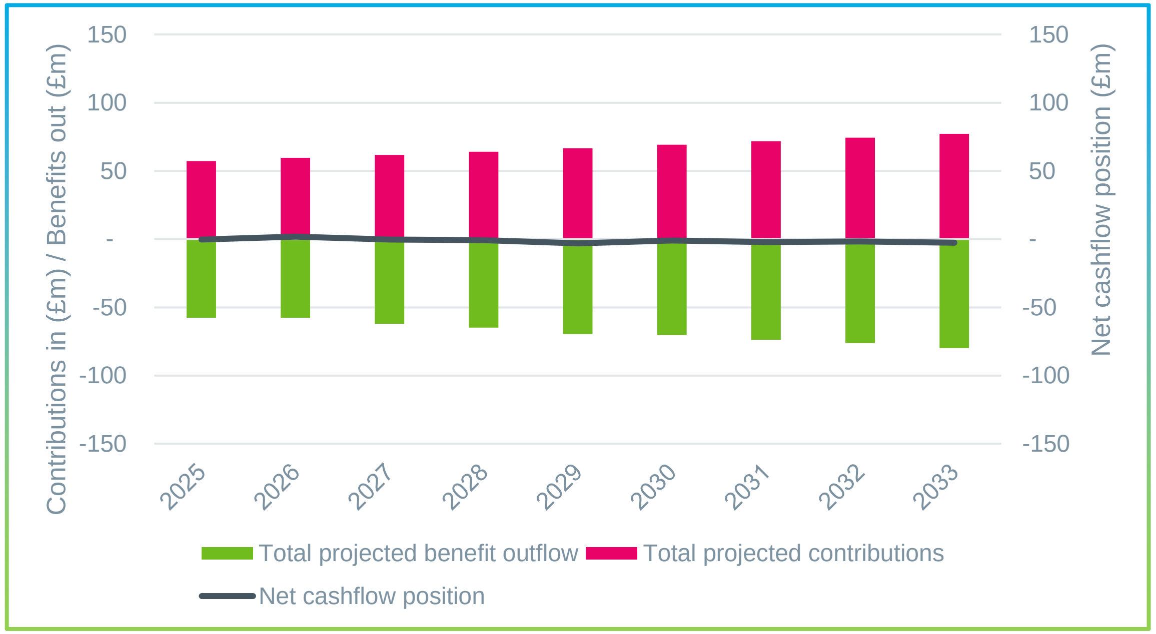


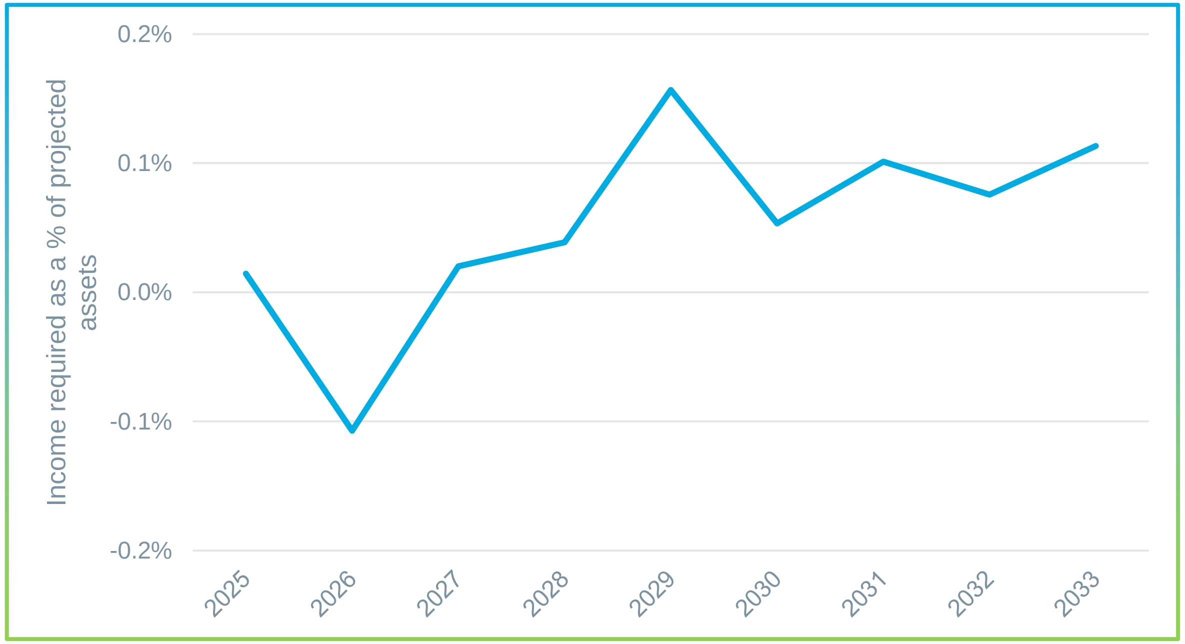


Benefit outflow is estimated to exceed contribution income in the immediate future.
The shortfall from contributions would require a c.0.6% pa from investment income to meet benefit payments.

Asset values are assumed to increase at 4.4% pa

Whole fund net cashflow (recession scenario)

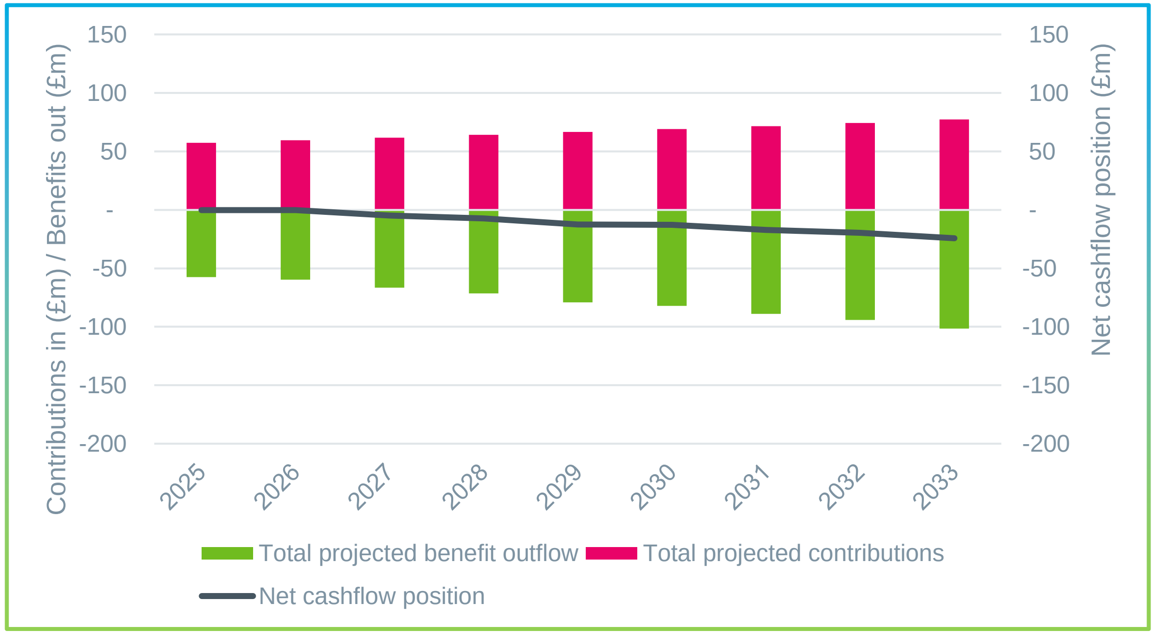


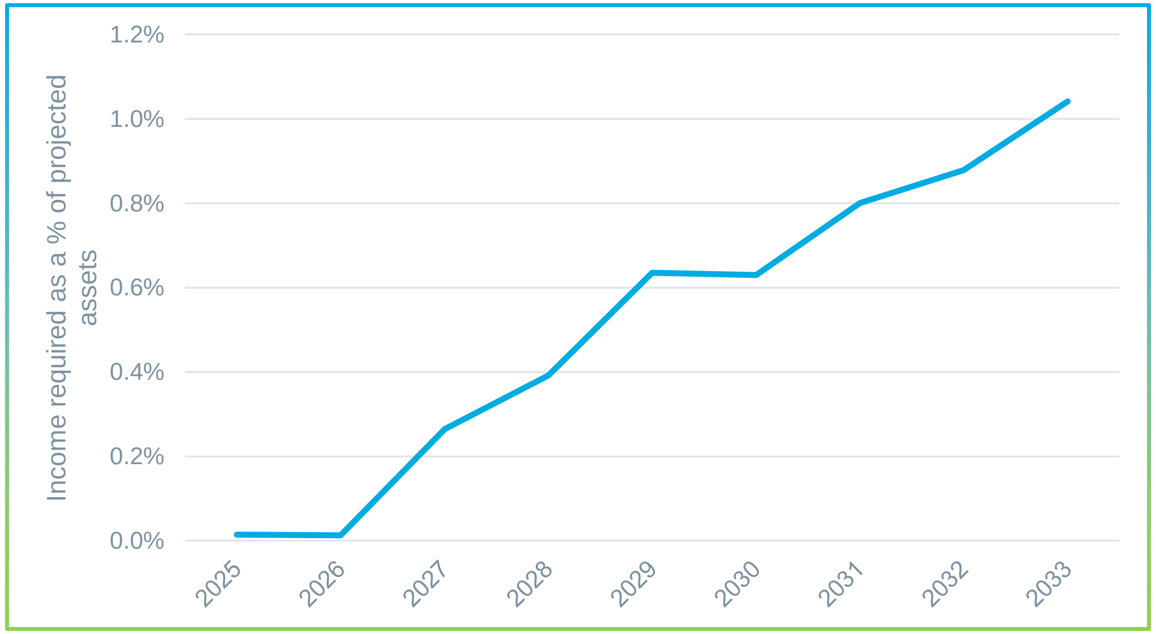


Relative to baseline, the Fund is still expected to be cashflow negative in the short term, however under a "hard landing" scenario the Fund's cashflow position would not be as bad over the longer-term. The cashflow negativity would require an income yield of c.0.2% pa.

Asset values are assumed to increase at 4.4% pa

Whole fund net cashflow (high inflation scenario)



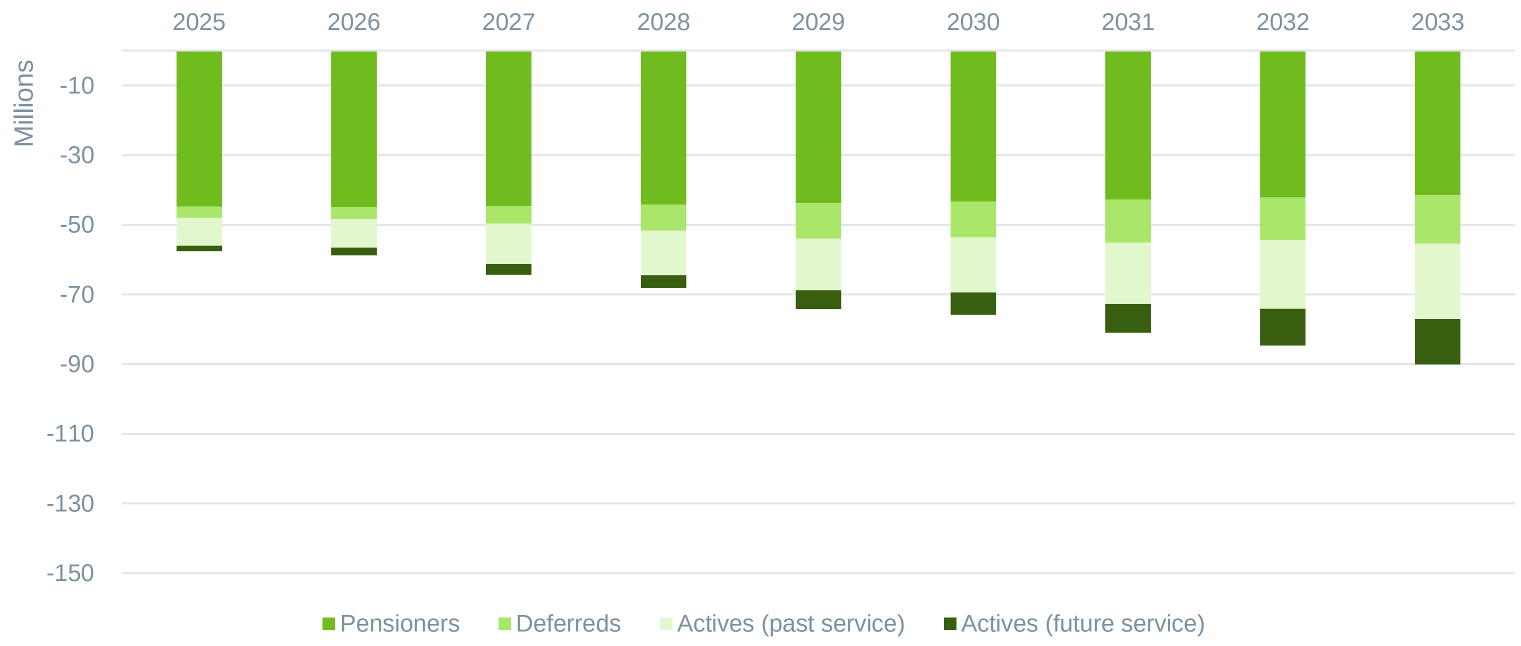


A high inflation scenario would result in cashflow negativity in the immediate future, with a substantial gap opening up in the longer-term. This would need to be managed by a higher level of income from the Fund's assets (c.1.0%).

Asset values are assumed to increase at 4.4% pa

Impact of contribution rate reductions

Projected benefit outflows (baseline scenario, consensus inflation)



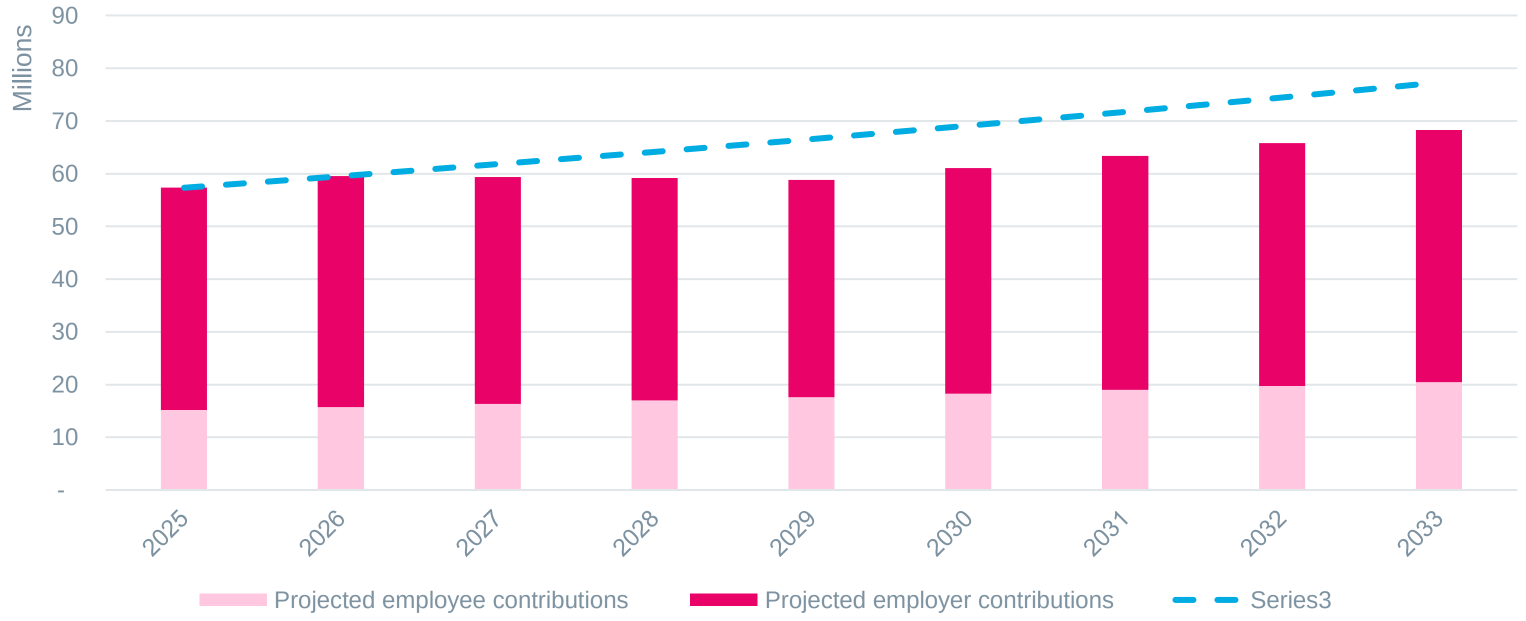
Notes

The years along the x-axis (horizontal) refer to the year-end i.e. 2025 means the 2024/25 financial year (from 1 April 2024 to 31 March 2025).

Our model retires all active members who were already past their assumed retirement age at the valuation date (2022) during the following year. However, in reality, the outflows for these members will commence across a longer period.

The Fund currently pays around £55m in benefit payments. This is expected to increase to around £90m by 2033.

Projected contribution income (1.0% pa contribution rate reduction)



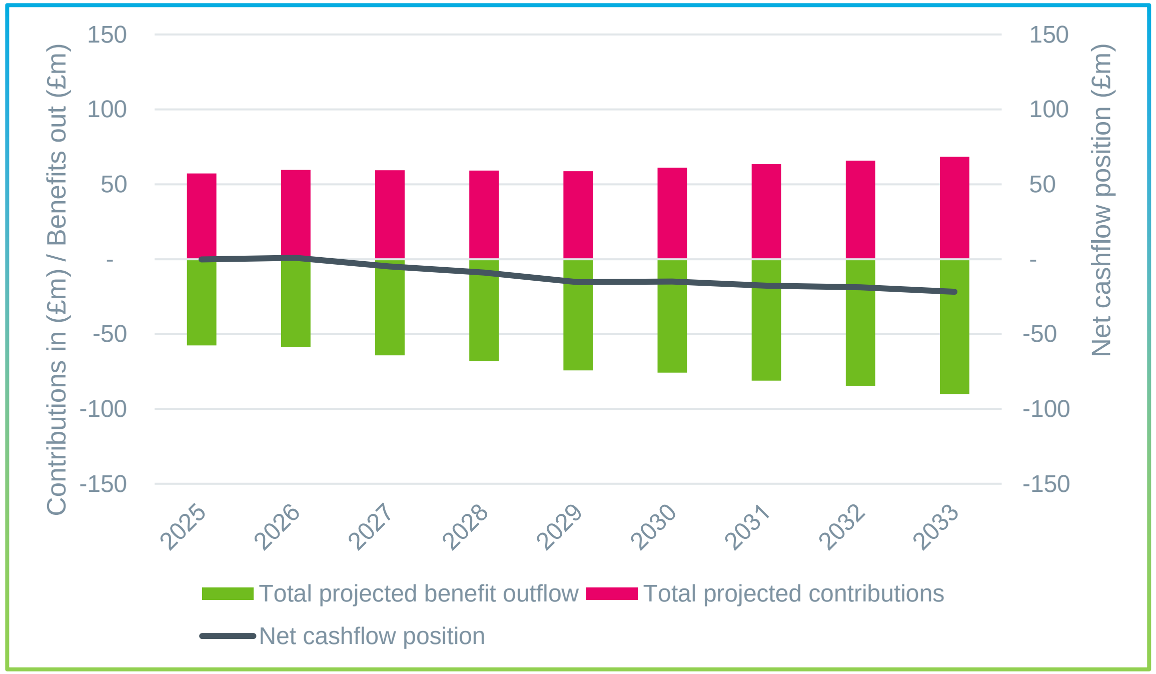
Notes

Contributions are assumed to be paid in line with the current Rates and Adjustments certificate until 31 March 2026.

Contributions are then assumed to reduce by 1.0% in each of the three years until 31 March 2029 to illustrate a gradual reduction in rates at the 2025 valuation. Thereafter, contribution rates are assumed to remain stable.

Reductions in employer contribution rates as part of the 2025 valuation would result in a lower level of projected contribution income in future years (vs baseline scenario of no reductions at the 2025 valuation).

Whole fund net cashflow (consensus inflation, 1.0% pa contribution rate reduction)



A reduction in contribution income would worsen the cashflow position in comparison to the baseline scenario. The level of investment income needed to meet benefit payments would be higher (c.1.0% yield).

Asset values are assumed to increase at 4.4% pa

Next steps

Next steps

1. Monitor membership changes and their impact on the cashflow position
2. Consider any factors (e.g. inflation or contribution reductions) that may affect the cashflow position
3. Consider the investment strategy in light of any future possible negative cashflow position
4. Consider evolving or developing new cashflow management and/or rebalancing policies with your investment advisor

Reliances and limitations

APPENDIX 1

Reliances and limitations

This paper is addressed to London Borough of Enfield as Administering Authority to the London Borough of Enfield Pension Fund. It has been prepared in our capacity as actuaries to the Fund and is solely for the purpose of projecting the expected cashflows of the Fund over a 10-year time horizon from the 2022 valuation. It has not been prepared for any other purpose and should not be used for any other purpose.

The cashflow projections are based on a specific set of deterministic assumptions, which are highly unlikely to be borne out exactly. We therefore do not claim that the future will exactly match the figures in this paper. The results should be used to give an indicative idea of the Fund's medium term cashflow requirements only.

Any party must accept full responsibility for establishing that the cashflows are appropriate for the purpose to which they want to put them and any decisions that are taken based on their analysis. We cannot be held responsible for any losses sustained as a result of third parties relying on the cashflows provided, or if the cashflows are used for any inappropriate purpose

The extent of the deviations from the assumptions underpinning the cashflow projections depends on uncertain economic events as well as other factors that are not known in advance such as members' decisions, variations in mortality rates, retirement rates and withdrawal rates, fluctuations and rates of salary increase, and the numbers and ages of future new entrants which cannot be accurately predicted. In addition, there could be changes in the regulatory environment and possible changes in retirement benefits. These other uncertainties are often not related to any particular investment and economic eventualities.

Three of the important uncertainties are the:
(a) Rate of pension increases, the vast majority of which increase at the annual increase in CPI inflation
(b) Extent to which members elect to exchange pension for cash at retirement
(c) Level of future payroll and contribution rates which will determine the amount of contributions paid into the Fund

The Administering Authority is the only user of this advice. Neither we nor Hymans Robertson LLP accept any liability to any party other than the Administering Authority unless we have expressly accepted such liability in writing.

This report may not be passed onto any other third party (such as including in the public part of the Pension Committee & Board's meeting papers) except as required by law or regulatory obligation, without prior written consent of Hymans Robertson LLP.

In circumstances where disclosure is permitted, the advice may only be released or otherwise disclosed in its entirety fully disclosing the basis upon which it has been produced (including any and all limitations, caveats or qualifications).

The following Technical Actuarial Standards are applicable in relation to this advice, and have been complied with where material and to a proportionate degree:

- TAS100
- TAS300.

Thank you