Treasury Management and Annual Investment Strategy 2023/24

1 Introduction

1.1 Treasury management is defined as:
'The management of the local authority's borrowing, investments and cash flows, its banking, money market and capital market transactions; the effective control of the risks associated with those activities; and the pursuit of optimum performance consistent with those risks'.

1.2 The strategy covers:

- Statutory and regulatory requirements
- Balanced budget requirement
- Prudential and treasury Indicators
- Borrowing requirement
- Current treasury position
- Prospects for interest rates
- Investment policy
- Creditworthiness policy
- Country, counterparty and group exposure limits
- Cash flow and core fund investment
- Medium and long term investment
- Year end investment report
- Policy on use of external service providers.

2 Statutory and regulatory requirements

2.1 The Local Government Act 2003 (the Act) and supporting regulations requires the Council to 'have regard to' the Chartered Institute of Public Finance (CIPFA) Prudential Code and the CIPFA Treasury Management Code of Practice to set Prudential and Treasury Indicators for the next three years to ensure that the Council's capital investment plans are affordable, prudent and sustainable.

2.2 The Act requires the Council to set out its Treasury Management Strategy for borrowing and to prepare an Annual Investment Strategy which sets out the Council's policies for managing its investments and for giving priority to the **security** and **liquidity** of those investments.

2.3 The Department for Levelling Up Housing and Communities, (DLUHC) issued revised Statutory Guidance on Local Government Investments (2018 Edition). CIPFA amended the Prudential Code for Capital Finance in Local Authorities (2017 Edition) and the Treasury Management in the Public Services: Code of Practice and Cross Sectorial Guidance Notes (2017 Edition). In December 2021 CIPFA published updates to the Treasury Management Code which has been taken into account in the 2023/24 Strategy.

2.4 Historically the scope of the statutory guidance and CIPFA codes was limited to the investment of an authority's cash surpluses and the management of borrowing undertaken to support its capital expenditure plans. The updated statutory guidance and codes broaden that scope to include expenditure on loans and the acquisition of non-financial assets (property) intended to generate a profit. The Council has not engaged in any commercial investments and has no material non-treasury investments.

2.5 The Council formally adopted the revised CIPFA Treasury Management Code of Practice (2017 Edition) on 30 October 2018 and in December 2021 CIPFA published updates to the Treasury Management Code. The primary requirements of the Code are as follows:

- Creation and maintenance of a Treasury Management Policy Statement which sets out the policies and objectives of the Council's treasury management activities.
- Creation and maintenance of Treasury Management Practices which set out the manner in which the Council will seek to achieve those policies and objectives.
- Receipt by the full Council of an Annual Treasury Management Strategy, including the Annual Investment Strategy, for the year ahead; a mid-year Review Report; and an Annual Report (stewardship report) covering activities during the previous year.
- Delegation by the Council of responsibilities for implementing and monitoring treasury management policies and practices and for the execution and administration of treasury management decisions.
- Delegation by the Council of the role of scrutiny of the Treasury Management Strategy and policies to a specific named body. For this Council, the delegated body is the Audit Committee.

2.6 The scheme of delegation and role of the Section 151 officer that give effect to these requirements are set out at **[Appendix 1]**.

3 Balanced budget requirement

3.1 It is a statutory requirement under Section 33 of the Local Government Finance Act 1992, for the Council to produce a balanced budget. In particular, Section 32 requires a local authority to calculate its budget requirement for each financial year to include the revenue costs that flow from capital financing decisions. This means that increases in capital expenditure must be limited to a level whereby increases in charges to revenue from:

- increases in interest charges caused by increased borrowing to finance additional capital expenditure, and
- any increases in running costs from new capital projects are limited to a level which is affordable within the projected income of the Council for the foreseeable future.

4 Prudential and treasury indicators

4.1 It is a statutory duty under Section 3 of the Act and supporting regulations, for the Council to determine and keep under review how much it can afford to borrow. The amount so determined is termed the ‘Affordable Borrowing Limit’. In England and Wales the Authorised Limit represents the legislative limit specified in the Act.

4.2 The Council must have regard to the Prudential Code when setting the ‘Authorised Limit’, which essentially requires it to ensure that total capital investment remains within sustainable limits and, in particular, that the impact upon its future council tax levels is ‘acceptable’.

4.3 Whilst termed an ‘Affordable Borrowing Limit’, the capital plans to be considered for inclusion may incorporate financing by both external borrowing and other forms of liability, such as credit arrangements. The ‘Authorised Limit’ is to be set, on a rolling basis, for the forthcoming financial year and two successive financial years.

4.4 Prudential and Treasury Indicators relevant to setting an integrated treasury management strategy are set out in **[Appendix 2]**.

5 Borrowing requirement

5.1 Other than for cash flow purposes and then within the limits set out at **[Appendix 2]** borrowing will not be necessary. All capital expenditure prior to 2029/30 is expected to be funded from the Revenue Reserve for Capital Schemes, grants, developer contributions and capital receipts arising from the sale of assets. This does not however, preclude a decision to borrow in order to fund in full or in part a capital investment opportunity that meets the Council's strategic priorities and objectives, achieves value for money and delivers a financial return. Each such opportunity to be considered on a case by case basis as appropriate.

5.2 The borrowing of monies purely to invest or on-lend and make a return is unlawful and this Council will not engage in such activity.

6 Current treasury position

6.1 The Council is debt free and as such the overall treasury position at 30 November 2022 comprised only investments. On that date the Council's cash flow and core fund investments totaled £61.9m and was invested in a mix of money market funds, bank notice accounts and time deposits with banks and building societies. The average duration to maturity of the portfolio was 62 days with a weighted average rate of return 2.97%. Returns in future years are expected to improve as Bank Rate increases are implemented. Income from investments forms part of the Council's ten-year medium term financial strategy (MTFS). An updated MTFS will be presented to Council in February 2023.

6.2 The Council held £5m in externally managed property fund investments at 30 November 2022. The property funds are expected to generate a stable income of 3.6% in 2023/24 and this level should continue in future years. Overtime, the rise in the value of each property funds' assets (capital appreciation) is expected to negate fund entry and exit costs.

6.3 The Council also held £4.25m in externally managed multi asset fund investments at 30 November 2022. The multi asset funds are expected to generate income of 3.6% in 2023/24 rising to 4% in future years. There are no exit costs associated with multi asset funds.

6.4 At present the Council has no material non-treasury investments (e.g. directly owned commercial property, shares in subsidiaries or loans to third parties). The procedures, practices and governance arrangements to enable the Council to meet the requirements of the Chartered Institute of Public Finance & Accountancy's Treasury Management and Prudential Codes of Practice 2017 and the 2018 Statutory Guidance on Local Government Investments relating to non-treasury investments are referred to in the reports to Audit Committee 1 October 2018 and 20 January 2020. The Audit Committee report of 18 January 2021 was endorsed by Council approving appropriate Non-treasury Management Practices.

7 Prospects for interest rates

7.1 The Council has appointed Link Asset Services as treasury advisor to the Council and part of their service is to assist the Council to formulate a view on interest rates. Link's current interest rate forecast is provided at **[Appendix 3]**. Link's expectation for Bank Rate, for each financial year ending March, are:

- 2023/ 2024 4.00%
- 2024/ 2025 3.00%
- 2025/ 2026 2.50%

7.2 The forecast may be overly optimistic (downside risks) dependent on:

- Labour and supply shortages prove more enduring and disruptive and depress economic activity (accepting that in the near-term this is also an upside risk to inflation and, thus, rising gilt yields).
- Bank of England acts too quickly, or too far, over the next year years to raise Bank Rate and causes UK economic growth, and increases in inflation, to be weaker than currently anticipated.
- UK / EU trade arrangements if there was a major impact on trade flows and financial services due to complications or lack of co-operation in sorting out significant remaining issues.
- Geopolitical risk, for example in Ukraine/Russia, China/Taiwan/US, Iran, North Korea and Middle Eastern countries, which could lead to increasing safe-haven flows.

7.3 The forecast may be overly pessimistic (upside risk) dependent on:

- The Bank of England is too slow in its pace and strength of increases in Bank Rate and, therefore, allows inflationary pressures to build up too strongly and for a longer period within the UK economy, which then necessitates Bank Rate staying higher for longer than we currently project or even necessitates a further series of increases in Bank Rate.
- The Government acts too quickly to cut taxes and/or increases expenditure in light of the cost-of-living squeeze.
- The pound weakens because of a lack of confidence in the UK Government's fiscal policies, resulting in investors pricing in a risk premium for holding UK sovereign debt.

- Longer term US treasury yields rise strongly and pull gilt yields up higher than currently forecast.
- Projected gilt issuance, inclusive of natural maturities and QT, could be too much for the markets to comfortably digest without higher yields consequently.

7.4 Link's more detailed view of the current economic background is included at **[Appendix 4]**.

8 Investment policy

8.1 The Council's investment policy has regard to the DLUHC's Guidance on Local Government Investments and the CIPFA Treasury Management in Public Services Code of Practice and Cross Sectoral Guidance Notes. The Council's investment priorities will be security first, liquidity second, and then yield.

8.2 In accordance with the above guidance from the DLUHC and CIPFA, and in order to minimise the risk to investments, the Council applies minimum acceptable credit criteria in order to generate a list of highly creditworthy counterparties. The key ratings used to monitor counterparties are the Short Term and Long Term ratings.

8.3 Ratings are not the sole determinant of the quality of an institution; it is important to continually assess and monitor the financial sector on both a micro and macro basis and in relation to the economic and political environments in which institutions operate. The assessment also takes account of information that reflects the opinion of the markets. To this end the Council engages with its advisors to maintain a monitor on market pricing such as 'credit default swaps' and overlay that information on top of the credit ratings.

8.4 Other information sources used includes the financial press, share price and other information relating to the banking sector in order to establish a robust scrutiny process on the suitability of potential investment counterparties.

8.5 Investment instruments identified for use are listed in **[Appendix 5]** under 'specified' and 'non-specified' investment categories. Counterparty limits are detailed in section 10 below.

9 Creditworthiness policy

9.1 The creditworthiness service provided by Link has been progressively enhanced over the last few years and now employs a sophisticated modelling approach using credit ratings from each of the three main credit rating agencies - Fitch, Moody’s and Standard and Poor’s. The credit ratings are supplemented using the following overlays:

- Credit watches and credit outlooks from credit rating agencies;
- Credit Default Swap (CDS) spreads to give early warning of likely changes in credit ratings; and
- Sovereign ratings to select counterparties from only the most creditworthy countries.

9.2 This modelling approach combines credit ratings, and any assigned credit watches and credit outlooks in a weighted scoring system which is then combined with an overlay of CDS spreads. The end product is a series of colour code bands which indicate the relative creditworthiness of counterparties. These colour coded bands are also used by the Council to inform the duration of an investment and are therefore referred to as durational bands. The Council is satisfied that this service now gives a much improved level of security for its investments.

9.3 The selection of counterparties with a high level of creditworthiness is achieved by selecting institutions down to a minimum durational band within Link’s weekly credit list of potential counterparties (worldwide). Subject to an appropriate sovereign and counterparty rating the Council uses counterparties within the following durational bands:

Yellow/Pink	5 years
Purple	2 years
Blue	1 year (UK nationalised Banks)
Orange	1 year
Red	6 months
Green	100 Days

9.4 The Council does not use the approach suggested by CIPFA of using the lowest rating from all three rating agencies to determine creditworthy counterparties. Moody’s tends to be more aggressive in giving low ratings than the other two agencies and adopting the CIPFA approach may leave the Council with too few banks on its approved lending list. The Link creditworthiness service uses a wider array of information than just primary ratings and in combination with a risk weighted scoring system undue preponderance is not given to any one agency’s ratings.

9.5 All credit ratings are reviewed weekly and monitored on a daily basis. The Council is alerted to changes to ratings of all three agencies through its use of the Link creditworthiness service.

- If a downgrade results in the counterparty no longer meeting the Council's minimum criteria its use for new investment is withdrawn immediately.
- In addition to the use of credit ratings the Council is advised of movements in Credit Default Swap data against the iTraxx European Financials benchmark and other market data on a daily basis. Extreme market movements may result in a scaling back of the duration assessment or removal from the Councils lending list altogether.

9.6 Sole reliance is not placed on the use of the Link service. In addition the Council uses market information including information on any external support for banks to assist the decision making process.

10 Country, counterparty and group exposure limits

10.1 The UK Sovereign debt rating has been placed on Negative Outlook by the three major rating agencies and it is possible the UK Sovereign debt rating will be downgraded. Accordingly, when setting minimum sovereign debt ratings, this Authority will not set a minimum rating for the UK and to be revisited at the Mid-Year Review.

10.2 The Council has determined that it will only use approved counterparties from the UK. Counterparties from other countries will be subject to a minimum sovereign credit rating of AA-. The minimum will be the lowest rating determined by Fitch, Moody's and Standard and Poor's. The list of countries that qualify using this credit criteria as at the date of this report are shown in **[Appendix 6]**. The list will be amended in accordance with this policy should ratings change.

10.3 Avoidance of a concentration of investments in too few counterparties or countries is a key to effective diversification and in this regard the limits set out below are thought to achieve a prudent balance between risk and practicality.

Country, Counterparty and Group exposure	Maximum Proportion of Portfolio
UK regulated institutions subject to UK Sovereign rating of A- or higher and the institution limits detailed below.	100%
Non-UK regulated institutions as an amount per sovereign rated AA- or higher and subject to the institution limits detailed below.	20%
Group of related institutions.	20%
Each financial institution rated Fitch A-, F1 or higher (green excluding CDS using Link's credit methodology) or each local authority.	20%
Each UK nationalised bank rated Fitch BBB, F2 or higher (green excluding CDS using Link's credit methodology).	20%
Each AAA rated multilateral / supranational bank.	20%
Each AAA rated CNAV, LVNAV or VNAV money market fund.	20%
Each AA or higher rated enhanced cash fund / government liquidity fund / gilt fund / ultra-short dated bond fund subject to a maximum 20% exposure to all such funds.	10%
Each housing association rated Fitch A- or higher and 20% for all housing association investment.	10%
Non-specified investments over 1 year duration.	60%
Each non-rated property fund used for long term investment subject to a maximum £3m (20% of expected long term balances) per fund and across all such funds. No cash limit applies to new resources made available from, or in anticipation of, the sale of existing property assets or other windfalls.	N/A
Each non-rated diversified income (multi-asset) fund and or short dated bond fund used for medium term investment subject to a maximum £3m (20% of expected long term balances) per fund and across all such funds. No cash limit applies to new resources made available from, or in anticipation of, the sale of existing property assets or other windfalls.	N/A

10.4 Cash flow balances vary depending on the timing of receipts and payments during the month and from month to month. The investment limits identified in paragraph 10.2 will be based on an estimate of the expected average daily cash flow balance at the start of the financial year augmented by core cash and other balances. Counterparty investments will be managed to ensure compliance with the limits at the start and end of each financial year when balances available for investment will be at a low point.

11 Cash flow and core fund investment

11.1 Funds available for investment are split between cash flow and core cash. Cash flow funds are generated from the collection of council tax, business rates and other income streams. They are consumed during the financial year to meet payments to precept authorities and government (NNDR contributions) and to meet service delivery costs (benefit payments, staff salaries and suppliers in general). The consumption of cash flow funds during the course of a financial year places a natural limit on the maximum duration of investments (up to one year). Core funds comprise monies set aside in the Council's revenue and capital reserves and are generally available to invest for durations in excess of one year.

11.2 **Cash flow investments**. The average daily cash flow balance throughout 2023/24 is expected to be £12.5m with a proportion available for longer than three months. Cash flow investments will be made with reference to cash flow requirements (liquidity) and the outlook for short-term interest rates i.e. rates for investments up to 12 months. Liquidity will be maintained by using bank deposit accounts and money markets funds. Where duration can be tolerated, additional yield will be generated by utilising term deposits with banks and building societies and enhanced cash and government liquidity funds. Investment in ultra-short dated bond funds will also be considered. Cash balances available for more than 3 months may be transferred to the core fund portfolio if a better overall return for the Council can be achieved by doing so.

11.3 In compiling the Council's estimates for 2023/24 a return on cash flow investments of 4.18% has been assumed.

11.4 **Core fund investments**. Historically the Council's core funds have been managed by an external fund manager. All core funds were returned to the Council for in-house management during 2014/15. The core fund balance is diminishing as a proportion is consumed each year (approximately £2m per annum) to support the Council's revenue budget and capital expenditure plans. The average core fund balance during 2023/24 is expected to be £13.3m.

11.5 The Council will avoid locking into longer term deals while investment rates continue their current low levels unless attractive rates are available with counterparties of particularly high creditworthiness which make longer term deals worthwhile and are within the risk parameters set by the Council.

11.6 In compiling the Council's estimates for 2023/24 a return on core fund investments of 4.28% has been assumed. Subject to the credit quality and exposure limits outlined in paragraph 10.2, liquidity and yield will be achieved by a mix of investments using predominantly fixed term deposits and certificates of deposit. Notice accounts, enhanced cash and government liquidity funds and ultra-short dated bond funds will also be used if these offer favourable returns relative to term deposits. Investment with housing associations and other local authorities will also be considered.

12 Medium and long term investment

12.1 The strategy includes provision (paragraph 10.2 and detailed in Appendix 5) to undertake medium term investment in either short dated bond funds and or diversified income funds (a mix of cash, bonds, equity and property) through externally managed collective investment schemes. Investment in such schemes typically implies a three to five year commitment to recoup entry and exit fees and mitigate the potential for a fall in the value of assets under management.

12.2 A detailed evaluation of a funds asset quality, market risk, redemption constraints, management and governance arrangements will be undertaken in advance of any investment taking place. Support to identify and select the most appropriate fund(s) will be sought from the Council's treasury advisor. Any sums invested will be reported at regular intervals with income received and changes in capital value separately identified. The strategy places an upper limit on exposure to such funds of 20% of expected long term cash balances, circa £3m.

12.3 The strategy includes provision (paragraph 10.2 and detailed in Appendix 5) to undertake long term investment in property through an externally managed collective investment scheme (fund). Investment in such schemes typically implies a 10 year commitment to recoup entry and exit fees. To mitigate the risk that capital values may fall due to changes in economic activity, investment duration cannot be determined with certainty at the time the investment commences. As a consequence any cash balances applied to such an investment must be available for the long term and there must be flexibility over the timing of redemption(s) in the future. Sums invested will be reported at regular intervals with income received and changes in capital value separately identified. The strategy places an upper limit on exposure to such funds from existing resources of 20% of expected long term cash balances, circa £3m. No limit applies to new resources made available from the sale of existing assets or other windfalls.

13 Year end investment report

13.1 At the end of the financial year, the Council will report on its investment activity as part of its Annual Treasury Report.

14 Policy on the use of external service providers

14.1 The Council uses Link Asset Services as its external treasury management advisors.

14.2 The Council recognises that responsibility for treasury management decisions remains with the Council at all times and will ensure that undue reliance is not placed upon our external service providers.

14.3 It also recognises that there is value in employing external providers of treasury management services in order to acquire access to specialist skills and resources. The Council will ensure that the terms of their appointment and the methods by which their value will be assessed are properly agreed and documented, and subjected to regular review.

Financial Services
January 2023

Appendices

1. Treasury management scheme of delegation
2. Prudential and treasury indicators
3. Interest rate forecasts
4. Economic background provided by Link Asset Services
5. Credit and counterparty risk management (TMP1)
6. Approved countries for investments

Appendix 1 Treasury management scheme of delegation

Full Council

- Budget approval.
- Approval of treasury management policy.
- Approval of the annual treasury management and investment strategy.
- Approval of amendments to the Council's adopted clauses, treasury management policy and annual treasury management and investment strategy.
- Approval of the treasury management outturn and mid-year reports.

Cabinet

- Budget consideration.
- Approval of the division of responsibilities.
- Approval of the selection of external service providers and agreeing terms of appointment.
- Acting on recommendations in connection with monitoring reports.

Audit Committee

- Reviewing the annual treasury management and investment strategy and making recommendations to Cabinet and Council.
- Receive reports on treasury activity at regular intervals during the year and making recommendations to Cabinet.
- Reviewing treasury management policy, practices and procedures and making recommendations to Cabinet and Council.

Finance, Regeneration and Property Select Scrutiny Committee

- Receiving budgetary control reports at regular intervals that include treasury management performance.

The S151 (responsible) officer

- Recommending clauses, treasury management policy/practices for approval, reviewing the same regularly, and monitoring compliance.
- Submitting regular treasury management policy reports.
- Submitting budgets and budget variations.
- Receiving and reviewing management information reports.
- Reviewing the performance of the treasury management function.
- Ensuring the adequacy of treasury management resources and skills, and the effective division of responsibilities within the treasury management function.
- Prepare and maintain effective treasury management practices (TMPs).
- Ensuring the adequacy of internal audit, and liaising with external audit.
- Recommending the appointment of external service providers.
- Preparation of a Capital Strategy and for ensuring the strategy is sustainable, affordable and prudent in the long term and that due diligence has been carried out to support each investment decision and those decisions are in accordance with the risk appetite of the authority.

Appendix 2 Prudential and treasury indicators

The prudential indicators relating to capital expenditure cannot be set until the capital programme is finally determined and will as a consequence be reported as part of the Setting the Budget for 2023/24 report that is to be submitted to Cabinet on 14 February 2023.

The treasury management indicators are as set out in the table below:

TREASURY MANAGEMENT INDICATORS	2021/22	2022/23	2023/24	2024/25	2025/26
	Actual	Estimate	Estimate	Estimate	Estimate
	£'000	£'000	£'000	£'000	£'000
Authorised Limit for external debt :					
borrowing	nil	7,000	7,000	7,000	7,000
other long term liabilities	nil	nil	nil	nil	nil
TOTAL	nil	7,000	7,000	7,000	7,000
Operational Boundary for external debt:-					
borrowing	nil	4,000	4,000	4,000	4,000
other long term liabilities	nil	nil	nil	nil	nil
TOTAL	nil	4,000	4,000	4,000	4,000
Actual external debt	nil	nil	nil	nil	nil
Upper limit for fixed interest rate exposure > 1 year at year end	nil	It is anticipated that exposure will range between 0% to 60%			
Upper limit for variable rate exposure < 1 year at year end	22,131 (40%)	It is anticipated that exposure will range between 40% to 100%			
Upper limit for total principal sums invested for over 365 days at year end	9,250 (16.7%)	60% of funds			

Maturity structure of fixed rate borrowing during 2022/23 – 2025/26	upper limit	lower limit
under 12 months	100 %	0 %
Over 12 months	0 %	0 %

A new Liability Benchmark indicator has been introduced in 2023/24. Whilst consideration has been given to the Liability Benchmark, this Council is debt free and therefore there is no debt maturity profile to report. The forecast net investment requirement for the next three years (excluding the liquidity allowance) is: 2023/24 £34.3m, 2024/25 £25.6m and 2025/26 £18.8m.

Appendix 3 Interest rate forecasts – December 2022

Link Group Interest Rate View 19.12.22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25	Sep-25	Dec-25
BANK RATE	3.50	4.25	4.50	4.50	4.50	4.00	3.75	3.50	3.25	3.00	2.75	2.50	2.50
3 mth ave earnings	3.60	4.30	4.50	4.50	4.50	4.00	3.80	3.30	3.00	3.00	2.80	2.50	2.50
6 mth ave earnings	4.20	4.50	4.60	4.50	4.20	4.10	3.90	3.40	3.10	3.00	2.90	2.60	2.60
12 mth ave earnings	4.70	4.70	4.70	4.50	4.30	4.20	4.00	3.50	3.20	3.10	3.00	2.70	2.70
5yr PWLB	4.20	4.20	4.20	4.10	4.00	3.90	3.80	3.60	3.50	3.40	3.30	3.20	3.10
10yr PWLB	4.30	4.40	4.40	4.30	4.10	4.00	3.90	3.80	3.60	3.50	3.40	3.30	3.30
25yr PWLB	4.60	4.60	4.60	4.50	4.40	4.20	4.10	4.00	3.90	3.70	3.60	3.50	3.50
50yr PWLB	4.30	4.30	4.30	4.20	4.10	3.90	3.80	3.70	3.60	3.50	3.30	3.20	3.20
Bank Rate													
Link	3.50	4.25	4.50	4.50	4.50	4.00	3.75	3.50	3.25	3.00	2.75	2.50	2.50
Capital Economics	3.50	4.50	4.50	4.50	4.50	4.25	4.00	3.50	--	--	--	--	--
5yr PWLB Rate													
Link	4.20	4.20	4.20	4.10	4.00	3.90	3.80	3.60	3.50	3.40	3.30	3.20	3.10
Capital Economics	4.10	4.00	3.80	3.70	3.50	3.50	3.40	3.30	--	--	--	--	--
10yr PWLB Rate													
Link	4.30	4.40	4.40	4.30	4.10	4.00	3.90	3.80	3.60	3.50	3.40	3.30	3.30
Capital Economics	4.10	4.00	3.80	3.70	3.60	3.50	3.40	3.40	--	--	--	--	--
25yr PWLB Rate													
Link	4.60	4.60	4.60	4.50	4.40	4.20	4.10	4.00	3.90	3.70	3.60	3.50	3.50
Capital Economics	4.60	4.40	4.20	4.00	3.80	3.80	3.70	3.60	--	--	--	--	--
50yr PWLB Rate													
Link	4.30	4.30	4.30	4.20	4.10	3.90	3.80	3.70	3.60	3.50	3.30	3.20	3.20
Capital Economics	4.20	4.10	4.00	3.90	3.80	3.80	3.70	3.60	--	--	--	--	--

Appendix 4 Economic background based on text provided by Link Asset Services

1 **UK**. Against a backdrop of stubborn inflationary pressures, the easing of Covid restrictions in most developed economies, the Russian invasion of Ukraine, and a range of different UK Government policies, the UK interest rates have been volatile right across the curve, from Bank Rate through to 50-year gilt yields, for all of 2022.

2 Market commentators' misplaced optimism around inflation has been the root cause of the rout in the bond markets with, for example, UK, EZ and US 10-year yields all rising by over 200bps since the turn of the year. The table below provides a snapshot of the conundrum facing central banks: inflation is elevated but labour markets are extra-ordinarily tight, making it an issue of fine judgment as to how far monetary policy needs to tighten.

	UK	**Eurozone**	**US**
Bank Rate	3.5%	2.0%	4.25%-4.50%
GDP	-0.2%q/q Q3 (2.4%y/y)	+0.2%q/q Q3 (2.1%y/y)	2.6% Q3 Annualised
Inflation	10.7%y/y (Nov)	10.1%y/y (Nov)	7.1%y/y (Nov)
Unemployment Rate	3.7% (Oct)	6.5% (Oct)	3.7% (Nov)

3 Q2 of 2022 saw UK GDP revised upwards to +0.2% q/q. This was quickly reversed in the third quarter, albeit some of the fall in GDP can be placed at the foot of the extra Bank Holiday in the wake of the Queen's passing. CPI inflation has picked up to what is expected to be a peak reading of 11.1% in October, although with further increases in the gas and electricity price caps pencilled in for April 2023, and the cap potentially rising from an average of £2,500 to £3,000 per household, there is still a possibility that inflation will spike higher again before dropping back slowly through 2023.

4 The UK unemployment rate fell to a 48-year low of 3.6%, and this despite a net migration increase of circa 500k. The fact is that with many economic participants registered as long-term sick, the UK labour force has shrunk by circa 500k in the year to June. Without an increase in the labour force participation rate, it will be difficult for the UK economy to grow its way to prosperity. Average wage increases are running at over 6% is likely to give the MPC concern that wage inflation will prove just as difficult to manage as the major supply-side shocks to food and energy that have endured since Russia's invasion of Ukraine on 22nd February 2022.

5 Throughout Q3 Bank Rate increased, finishing the quarter at 2.25% (an increase of 1%). Q4 has seen rates rise to 3.5% in December and the market expects Bank Rate to hit 4.5% by May 2023.

6 Globally, all the major economies are expected to struggle in the near term. The fall below 50 in the composite Purchasing Manager Indices for the UK, US, EZ and China all point to at least one, if not more, quarters of GDP contraction.

7 In November, the MPC projected eight quarters of negative growth for the UK lasting throughout 2023 and 2024, but with Bank Rate set to peak at lower levels than previously priced in by the markets and the fiscal tightening deferred to some extent, it is not clear that things will be as bad as first anticipated by the Bank.

8 The pound has strengthened, recovering from a record low of £1.035, to £1.22. Notwithstanding the pound's better run of late, 2023 is likely to see a housing correction of some magnitude as fixed-rate mortgages have moved above 5% and affordability has been squeezed despite proposed Stamp Duty cuts remaining in place.

9 **Central Bank Concerns.** In December, the Fed decided to push up US rates by 0.5% to a range of 4.25% to 4.5%, whilst the MPC followed by raising Bank Rate from 3% to 3.5%, in line with market expectations. EZ rates have also increased to 2% with further tightening in the pipeline.

10 The sentiment expressed in the press conferences in the US and the UK were very different. In the US, Fed Chair, Jerome Powell, stated that rates will be elevated and stay higher for longer than markets had expected. Governor Bailey, here in the UK, said the opposite and explained that the two economies are positioned very differently so you should not, therefore, expect the same policy or messaging.

11 Regarding UK market expectations, although they now expect Bank Rate to peak within a lower range of 4.5% - 4.75%, caution is advised as the Bank of England Quarterly Monetary Policy Reports have carried a dovish message over the course of the last year, only for the Bank to have to play catch-up as the inflationary data has proven stronger than expected.

12 The Bank's central message that GDP will fall for eight quarters starting with Q3 2022 may prove to be a little pessimistic. Households have accumulated excess savings of circa £160bn through the Covid lockdowns which may provide a spending buffer for the economy. Ultimately, however, it will not only be inflation data but also employment data that will mostly impact the decision-making process, although any softening / tightening in the interest rate outlook in the US may also have an effect.

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Appendix 5 Credit and counterparty risk management (TMP1)

All specified and non-specified Investments will be:

Subject to the sovereign, counterparty and group exposure limits identified in the Annual Investment Strategy (Section 10).

Subject to the duration limit ***where applicable*** suggested by Link (+6 months for UK institutions) at the time each investment is placed.

Subject to a maximum of 60% of funds being held in non-specified investments at any one time.

Sterling denominated.

Specified Investments (maturities up to 1 year):

investment	Minimum Credit Criteria
UK Debt Management Agency Deposit Facility	UK Sovereign A-
Term deposits - UK local authorities	UK Sovereign A-
Term deposits - UK nationalised banks	UK Sovereign A- Counterparty BBB, F2 or Green excluding CDS
Term deposits – all other banks and building societies	UK Sovereign A- / Non-UK Sovereign AA- Counterparty A-, F1 or Green excluding CDS
Certificates of deposit - UK nationalised banks	UK Sovereign A- Counterparty BBB, F2 or Green excluding CDS
Certificates of deposit – all other banks and building societies	UK Sovereign A- / Non-UK Sovereign AA-. Counterparty A-, F1,or Green excluding CDS
UK Treasury Bills	UK Sovereign A-
UK Government Gilts	UK Sovereign A-
Bonds issued by multi-lateral development banks	AAA
Sovereign bond issues (other than the UK Gov't)	AAA
Money market funds (CNAV, LVNAV or VNAV)	AAA
Enhanced cash / Government liquidity / ***Ultra-short dated bond funds***	***AA***

Non-specified Investments (maturities in excess of 1 year and any maturity if not included above):

Investment	Minimum Credit Criteria	Max duration to maturity
Fixed term deposits with variable rate and variable maturities (structured deposits) - UK nationalised banks	UK Sovereign A- Counterparty BBB,F2 (Green)	2 years
Fixed term deposits with variable rate and variable maturities (structured deposits) - banks and building societies	UK sovereign A- / Non-UK Sovereign AA-. Counterparty A-, F1 (Green)	2 years
Term deposits - local authorities	UK Sovereign A-	3 years
Term deposits - UK nationalised banks	UK Sovereign A- Counterparty BBB,F2 (Green)	2 years
Term deposits - banks, building societies	UK Sovereign A- / Non-UK Sovereign AA-. Counterparty A-, F1 (Green)	2 years
Term deposits – housing associations	UK Sovereign A- Counterparty A-	2 years
Certificates of deposit - UK nationalised banks	UK Sovereign A- Counterparty BBB,F2 (Green)	2 years
Certificates of deposit - banks and building societies	UK Sovereign A- / Non-UK Sovereign AA-. Counterparty A-, F1 (Green)	2 years
Commercial paper - UK nationalised banks	UK Sovereign A- Counterparty BBB,F2 (Green)	2 years
Commercial paper - banks and building societies	UK Sovereign A- / Non-UK Sovereign AA-. Counterparty A-, F1 (Green)	2 years
Floating rate notes issued by multilateral development banks	AAA	2 years
Bonds issued by multilateral development banks	AAA	2 years
Sovereign bonds (other than the UK Government)	AAA	2 years
UK Government Gilts	UK Sovereign A-	5 years
Property funds	N/A	N/A
Diversified income ***and or short dated bond*** funds	N/A	N/A

Accounting treatment of investments. The accounting treatment may differ from the underlying cash transactions arising from investment decisions made. To ensure that the Council is protected from any adverse revenue impact, which may arise from these differences, we will review the accounting implications of new transactions before they are undertaken.

Appendix 6 Approved countries for investments

Each financial institution must meet the minimum credit criteria specified in the Annual Investment Strategy (Section 10). For non-UK regulated institutions the institutions sovereign must be rated AA- or higher by each of the three rating agencies - Fitch, Moody's and Standard and Poor's.

This list will be reviewed and amended if appropriate on a weekly basis by the Director of Finance and Transformation.

As of 19 December 2022 sovereigns meeting the above requirement which also (except for Hong Kong and Luxembourg) have banks operating in sterling markets with credit ratings of green or above on the Link Asset Services' Credit Worthiness List were:

AAA	Australia
	Denmark
	Germany
	Netherlands
	Norway
	Singapore
	Sweden
	Switzerland
AA+	Canada
	Finland
	USA
AA	Abu Dhabi (UAE)
	France
AA-	Belgium
	Qatar
	UK

At 19 December 2022 the UK received a credit rating of AA-