TREASURY MANAGEMENT STRATEGY STATEMENT 2019/20

1. Introduction

Treasury management is the management of the Authority's cash flows, borrowing and investments, and the associated risks. The Authority has borrowed and invested substantial sums of money and is therefore exposed to financial risks including the loss of invested funds and the revenue effect of changing interest rates. The successful identification, monitoring and control of financial risk are therefore central to the Authority's prudent financial management.

Treasury risk management at the Authority is conducted within the framework of the Chartered Institute of Public Finance and Accountancy's Treasury Management in the Public Services: Code of Practice 2017 Edition (the CIPFA Code) which requires the Authority to approve a treasury management strategy before the start of each financial year. This report fulfils the Authority's legal obligation under the Local Government Act 2003 to have regard to the CIPFA Code.

Investments held for service purposes or for commercial profit are considered in a different report, the Investment Strategy.

2. Economic Background

The UK's progress negotiating its exit from the European Union, together with its future trading arrangements, will continue to be a major influence on the Authority's treasury management strategy for 2019/20.

The UK economic environment appears relatively soft, despite seemingly strong labour market data. Uncertainty surrounding Brexit and global growth is damaging consumer and business sentiment. GDP growth slowed markedly in Q4 2018 and has not recovered in Q1 2019. Arlingclose's view is that the UK economy faces a challenging outlook as the country exits the European Union and Eurozone/global economic growth softens, notwithstanding a possible short-term bounce in activity should a Brexit deal be agreed.

Domestic cost pressures have eased over the past few months due to a fall in oil prices. Wage growth has picked up in recent months

Following the Bank of England's decision to increase Bank Rate to 0.75% in August 2018, no change to monetary policy has been made since. The Bank's Monetary Policy Committee's bias towards tighter monetary policy remains, but appears to have eased a little on the back of slower global and UK growth/inflation expectations. Policymakers are unlikely to raise Bank Rate unless there is a withdrawal arrangement and the prospect of a transitionary period.

While US growth has slowed over 2018, the economy continues to perform robustly. The US Federal Reserve continued its tightening bias throughout 2018, pushing rates to the current 2%-2.25% in September. Markets continue to expect one more rate rise in December, but expectations are fading that the further hikes previously expected in 2019 will materialise as concerns over trade wars drag on economic activity.

3. Credit outlook

The big four UK banking groups have now divided their retail and investment banking divisions into separate legal entities under ringfencing legislation. Bank of Scotland, Barclays Bank UK, HSBC UK Bank, Lloyds Bank, National Westminster Bank, Royal Bank of Scotland and Ulster Bank are the ringfenced banks that now only conduct lower risk retail banking activities. Barclays Bank, HSBC Bank, Lloyds Bank Corporate Markets and NatWest Markets are the investment banks. Credit rating agencies have adjusted the ratings of some of these banks with the ringfenced banks generally being better rated than their non-ringfenced counterparts.

The Bank of England released its latest report on bank stress testing, illustrating that all entities included in the analysis were deemed to have passed the test once the levels of capital and potential mitigating actions presumed to be taken by management were factored in. The Bank of England did not require any bank to raise additional capital.

European banks are considering their approach to Brexit, with some looking to create new UK subsidiaries to ensure they can continue trading here. The credit strength of these new banks remains unknown, although the chance of parental support is assumed to be very high if ever needed. The uncertainty caused by protracted negotiations between the UK and EU is weighing on the creditworthiness of both UK and European banks with substantial operations in both jurisdictions.

4. Interest rate forecast

The Bank of England's Monetary Policy Committee has maintained expectations of a slow rise in interest rates over the forecast horizon from the current level of 0.75%. Arlingclose's central case incorporates the likelihood of the MPC raising rates in the last quarter of 2019 after an extended period of uncertainty or a delay to Brexit.

Following the increase in Bank Rate to 0.75% in August 2018, the Authority's treasury management adviser Arlingclose is forecasting two more 0.25% hikes during the end of 2019 to take official UK interest rates to 1.25%. The Bank of England's MPC has maintained expectations for slow and steady rate rises over the forecast horizon. The MPC continues to have a bias towards tighter monetary policy but is reluctant to push interest rate expectations too strongly. Arlingclose believes that MPC members consider both that ultra-low interest rates result in other economic problems, and that higher Bank Rate will be a more effective policy weapon should downside Brexit risks crystallise when rate cuts will be required.

The UK economic environment remains relatively soft, despite seemingly strong labour market data. Arlingclose's view is that the economy still faces a challenging outlook as it exits the European Union and Eurozone growth softens. The possibility of a "no deal" Brexit still hangs over economic activity *(at the time of writing this commentary in mid-March).* As such, the risks to the interest rate forecast are considered firmly to the downside.

5. Balances

On 31st December 2018, the council held £112.886m of borrowing and £16.467m of investments. This is set out in further detail at Appendix 2. Forecast changes in these sums are shown in the balance sheet analysis in the table below.

Table 1: Balance sheet summary and forecast

	31.3.18 Actual £m	31.3.19 Estimate £m	31.3.20 Forecast £m	31.3.21 Forecast £m	31.3.22 Forecast £m
General Fund CFR	30,962	79.632	121.764	119.391	117.073
HRA CFR	56.439	56.789	56.789	63.288	65.019
Total CFR	**87.401**	**136.421**	**178.553**	**182.679**	**182.092**
Less: External borrowing	(71,642)	(112.709)	(162.065)	(159.403)	(158.092)
Internal borrowing	**15.759**	**14.712**	**16.488**	**23.276**	**24.000**
Less: Usable reserves	(32.118)	(24.540)	(23.085)	(22.487)	(23.472)
Less: Working capital	(1.244)	(8.986)	(12.213)	(18.719)	(16.574)
Investments	**17.603**	**18.814**	**18.810**	**17.930**	**16.046**

The underlying need to borrow for capital purposes is measured by the Capital Financing Requirement (CFR), while usable reserves and working capital are the underlying resources available for investment. The Authority's current strategy is to maintain borrowing and investments below their underlying levels, sometimes known as internal borrowing. The Authority has an increasing CFR due to the capital programme, but minimal investments and will therefore be required to borrow up to £44m over the forecast period.

CIPFA's Prudential Code for Capital Finance in Local Authorities recommends that the Authority's total debt should be lower than its highest forecast CFR over the next three years. Table 1 shows that the Authority expects to comply with this recommendation during 2019/20.

6. Borrowing Strategy

6.1 The Authority currently holds £112.886m of loans, an increase on the previous year, as part of its strategy for funding previous year's capital programmes by PWLB loans. The balance sheet forecast in table 1 shows that the Authority expects to borrow up to £44m in 2019/20 in respect of asset purchases . The Authority may also borrow additional sums to pre-fund future years' requirements, providing this does not exceed the authorised limit for borrowing of £217m for 2019/20.

The Authority's chief objective when borrowing money is to strike an appropriately low risk balance between securing low interest costs and achieving certainty of those costs over the period for which funds are required. The flexibility to renegotiate loans should the Authority's long-term plans change is a secondary objective.

Given the significant cuts to public expenditure and in particular to local government funding, the Authority's borrowing strategy continues to address the key issue of affordability without compromising the longer-term stability of the debt portfolio. With short-term interest rates currently much lower than long-term rates, it is likely to be more cost effective in the short-term to either use internal resources, or to borrow short-term loans instead.

By doing so, the Authority is able to reduce net borrowing costs (despite foregone investment income) and reduce overall treasury risk. The benefits of internal or short-term borrowing will be monitored regularly against the potential for incurring additional costs by deferring borrowing into future years when long-term borrowing rates are forecast to rise modestly. Arlingclose will assist the Authority with this 'cost of carry' and breakeven analysis. Its output may determine whether the Authority borrows additional sums at long-term fixed rates in 2019/20 with a view to keeping future interest costs low, even if this causes additional cost in the short-term.

Alternatively, the Authority may arrange forward starting loans during 2019/20, where the interest rate is fixed in advance, but the cash is received in later years. This would enable certainty of cost to be achieved without suffering a cost of carry in the intervening period.

In addition, the Authority may borrow short-term loans to cover unplanned cash flow shortages.

6.2 Sources of borrowing:

The approved sources of long-term and short-term borrowing are:

- Public Works Loan Board (PWLB) and any successor body
- any institution approved for investments (see below)
- any other bank or building society authorised to operate in the UK
- UK public and private sector pension funds (except our local) Pension Fund
- capital market bond investors
- UK Municipal Bonds Agency plc and other special purpose companies created to enable local authority bond issues

In addition, capital finance may be raised by the following methods that are not borrowing, but may be classed as other debt liabilities:

- leasing
- hire purchase
- Private Finance Initiative
- sale and leaseback

The Authority has previously raised the majority of its long-term borrowing from the PWLB but it continues to investigate other sources of finance, such as local authority loans and bank loans, that may be available at more favourable rates.

Municipal Bonds Agency: UK Municipal Bonds Agency plc was established in 2014 by the Local Government Association as an alternative to the PWLB. It plans to issue bonds on the capital markets and lend the proceeds to local authorities. This will be a more complicated source of finance than the PWLB for two reasons: borrowing authorities will be required to provide bond investors with a joint and several guarantee to refund their investment in the event that the agency is unable to for any reason; and there will be a lead time of several months between committing to borrow and knowing the interest rate payable. Any decision to borrow from the Agency will therefore be the subject of a separate report to full Council.

LOBOs: The Authority holds £7m of LOBO (Lender's Option Borrower's Option) loans where the lender has the option to propose an increase in the interest rate at set dates, following which the Authority has the option to either accept the new rate or to repay the loan at no additional cost. £2m of these LOBOS have options during 2019/20, and although the Authority understands that lenders are unlikely to exercise their options in the current low interest rate environment, there remains an element of refinancing risk. The Authority will take the option to repay LOBO loans at no cost if it has the opportunity to do so

Short-term and variable rate loans: These loans leave the Authority exposed to the risk of short-term interest rate rises and are therefore subject to the limit on the net exposure to variable interest rates in the treasury management indicators.

Debt rescheduling: The PWLB allows authorities to repay loans before maturity and either pay a premium or receive a discount according to a set formula based on current interest rates. Other lenders may also be prepared to negotiate premature redemption terms. The Authority may take advantage of this and replace some loans with new loans, or repay loans without replacement, where this is expected to lead to an overall cost saving or a reduction in risk.

7. <u>Investment Strategy</u>

7.1 Introduction

The Authority holds significant invested funds, representing income received in advance of expenditure plus balances and reserves held. In the past 12 months, the Authority's investment balance has averaged £26m, and levels at around £24m are expected to be maintained in the forthcoming year

7.2 Objectives

Both the CIPFA Code requires the Authority to invest its funds prudently, and to have regard to the security and liquidity of its investments before seeking the highest rate of return, or yield. The Authority's objective when investing money is to strike an appropriate balance between risk and return, minimising the risk of incurring losses from defaults and the risk of receiving unsuitably low investment income. Where balances are expected to be invested for more than one year, the Authority will aim to achieve a total return that is equal or higher than the prevailing rate of inflation, in order to maintain the spending power of the sum invested.

7.3 Negative interest rates

If the UK enters into a recession in 2019/20, there is a small chance that the Bank of England could set its Bank Rate at or below zero, which is likely to feed through to negative interest rates on all low risk, short-term investment options. This situation already exists in many other European countries. In this event, security will be measured as receiving the contractually agreed amount at maturity, even though this may be less than the amount originally invested.

Given the increasing risk and low returns from short-term unsecured bank investments, the Authority aims to remain with a diversified investment portfolio. This is especially the case for the estimated £8m that is available for longer-term investment. The majority of the Authority's surplus cash is currently invested in short-term unsecured bank deposits, certificates of deposit, money market funds and Pooled Funds. This diversification will represent a continuation of the strategy over the coming year.

Approved counterparties: The Authority may invest its surplus funds with any of the counterparty types in table 2 below, subject to the cash limits (per counterparty) and the time limits shown.

Table 2: Approved investment counterparties and limits

Credit rating	Banks unsecured	Banks secured	Government	Corporates	Registered Providers
UK Govt	n/a	n/a	£ Unlimited 50 years	n/a	n/a
AAA	£7m 5 years	£7m 20 years	£7m 50 years	£5m 20 years	£5m 20 years
AA+	£7m 5 years	£7m 10 years	£5m 25 years	£4m 10 years	£5m 10 years
AA	£7m 4 years	£7m 5 years	£5m 15 years	£4m 5 years	£5m 10 years
AA-	£7m 3 years	£7m 4 years	£5m 10 years	£3m 4 years	£5m 10 years
A+	£7m 2 years	£7m 3 years	£5m 5 years	£3m 3 years	£5m 5 years
A	£7m 13 months	£7m 2 years	£5m 5 years	£3m 2 years	£3m 5 years

A-	£7m 6 months	£7m 13 months	£5m 5 years	£2m 13 months	£3m 3 years
None	£2m 6 months	£2m 6 months	n/a	n/a	n/a
MMF Pooled funds	£3m per fund				

7.4 Credit rating

Investment limits are set by reference to the lowest published long-term credit rating from Fitch, Moody's or Standard & Poor's. Where available, the credit rating relevant to the specific investment or class of investment is used, otherwise the counterparty credit rating is used. However, investment decisions are never made solely based on credit ratings, and all other relevant factors including external advice will be taken into account.

Banks unsecured: Accounts, deposits, certificates of deposit and senior unsecured bonds with banks and building societies, other than multilateral development banks. These investments are subject to the risk of credit loss via a bail-in should the regulator determine that the bank is failing or likely to fail.

Banks secured: Covered bonds, reverse repurchase agreements and other collateralised arrangements with banks and building societies. These investments are secured on the bank's assets, which limits the potential losses in the unlikely event of insolvency, and means that they are exempt from bail-in. Where there is no investment specific credit rating, but the collateral upon which the investment is secured has a credit rating, the higher of the collateral credit rating and the counterparty credit rating will be used to determine cash and time limits. The combined secured and unsecured investments in any one bank will not exceed the cash limit for secured investments.

Government: Loans, bonds and bills issued or guaranteed by national governments, regional and local authorities and multilateral development banks. These investments are not subject to bail-in, and there is an insignificant risk of insolvency. Investments with the UK Central Government may be made in unlimited amounts for up to 50 years.

Corporates: Loans, bonds and commercial paper issued by companies other than banks and registered providers. These investments are not subject to bail-in, but are exposed to the risk of the company going insolvent. Loans to unrated companies will only be made either following an external credit assessment as part of a diversified pool in order to spread the risk widely.

Registered providers: Loans and bonds issued by, guaranteed by or secured on the assets of registered providers of social housing, formerly known as housing associations. These bodies are tightly regulated by the Homes and Communities Agency and, as providers of public services; they retain the likelihood of receiving government support if needed.

Pooled funds: Shares in diversified investment vehicles consisting of the any of the above investment types, plus equity shares and property. These funds have the advantage of providing wide diversification of investment risks, coupled with the services of a professional fund manager in return for a fee. Short-term Money Market Funds that offer same-day liquidity and very low or no volatility will be used as an alternative to instant access bank accounts, while pooled funds whose value changes with market prices and/or have a notice period will be used for longer investment periods.

Bond, equity and property funds offer enhanced returns over the longer term, but are more volatile in the short term. These allow the Authority to diversify into asset classes other than cash without the need to own and manage the underlying investments. Because these funds have no defined maturity date, but are available for withdrawal after a notice period, their performance and continued suitability in meeting the Authority's investment objectives will be monitored regularly.

Operational bank accounts
The Council banks with Lloyds (Lloyds Banking Group). On adoption of this Strategy, it will meet the minimum credit criteria of A- (or equivalent) long term. It is the Councils intention that even if the credit rating of Lloyds Bank falls below the minimum criteria A- the bank will continue to be used for short term liquidity requirements (overnight and weekend investments) and business continuity arrangements.

Policy investments
Over the years the Authority has provided cash-flow cover for a number of third-party organisations linked to the Authority. The following limits are set for 2018/19:

- Cheltenham Festivals — £100k up to one year duration
- Gloucestershire Everyman Theatre — £100k up to one year duration
- Ubico Limited — £500k up to one year duration
- The Cheltenham Trust — £100k up to one year duration
- Publica Group — £100k up to one year duration
- Cheltenham Borough Homes — £27m Non-specified duration
- Cheltenham Borough Homes — £500k up to one year
- Gloucestershire Airport Limited — £1.75m Non-specified duration

Renewable Energy investments
Over recent years significant investments from Local Authorities in the Renewable Energy markets has occurred by way of investing in an energy bond. Currently the

council has approved the use of Corporate Bonds and has used them on a regular basis but only for a maximum of two years previously. To be able to potentially invest in Green Renewable energy recommendation was made following consultation with members of the Treasury Management Panel on the 5th June 2017 and approved by Council on 24th July 2017 that up to £2m in relation to Green Investment bonds can be invested up to 5 years.

7.5 Risk assessment and credit ratings

Credit ratings are obtained and monitored by the Authority's treasury advisers, who will notify changes in ratings as they occur. Where an entity has its credit rating downgraded so that it fails to meet the approved investment criteria then:

- no new investments will be made,
- any existing investments that can be recalled or sold at no cost will be, and
- full consideration will be given to the recall or sale of all other existing investments with the affected counterparty.

Where a credit rating agency announces that a credit rating is on review for possible downgrade (also known as "rating watch negative" or "credit watch negative") so that it may fall below the approved rating criteria, then only investments that can be withdrawn will be made with that organisation until the outcome of the review is announced. This policy will not apply to negative outlooks, which indicate a long-term direction of travel rather than an imminent change of rating.

7.6 Other information on the security of investments

The Authority understands that credit ratings are good, but not perfect, predictors of investment default. Full regard will therefore be given to other available information on the credit quality of the organisations, in which it invests, including credit default swap prices, financial statements, information on potential government support and reports in the quality financial press. No investments will be made with an organisation if there are substantive doubts about its credit quality, even though it may meet the credit rating criteria.

When deteriorating financial market conditions affect the creditworthiness of all organisations, as happened in 2008 and 2011, this is not generally reflected in credit ratings, but can be seen in other market measures. In these circumstances, the Authority will restrict its investments to those organisations of higher credit quality and reduce the maximum duration of its investments to maintain the required level of security. The extent of these restrictions will be in line with prevailing financial market conditions. If these restrictions mean that insufficient commercial organisations of high credit quality are available to invest the Authority's cash balances, then the surplus will be deposited with the UK Government, via the Debt Management Office or invested in government treasury bills for example, or with other local authorities. This will cause a reduction in the level of investment income earned, but will protect the principal sum invested.

7.7 Specified investments

The CLG Guidance defines specified investments as those:

- denominated in pound sterling,
- due to be repaid within 12 months of arrangement,
- not defined as capital expenditure by legislation, and
- invested with one of:
  - the UK Government,
  - a UK local authority, parish council or community council, or
  - a body or investment scheme of “high credit quality”.

The Authority defines “high credit quality” organisations and securities as those having a credit rating of A- or higher that are domiciled in the UK or a foreign country with a sovereign rating of AA+ or higher. For money market funds and other pooled funds “high credit quality” is defined as those having a credit rating of A- or higher.

7.8 Non-specified investments

Any investment not meeting the definition of a specified investment is classed as non-specified. The Authority does not intend to make any investments denominated in foreign currencies, nor any that are defined as capital expenditure by legislation, such as company shares. Non-specified investments will therefore be limited to long-term investments, i.e. those that are due to mature 12 months or longer from the date of arrangement, and investments with bodies and schemes not meeting the definition on high credit quality. Limits on non-specified investments are shown in table 3 below.

Table 3: Non-specified investment limits

	Cash limit
Total long-term investments	£15m
Total investments without credit ratings or rated below A- (except UK Government and local authorities)	£10m
Total investments (except pooled funds) with institutions domiciled in foreign countries rated below AA+	£10m

7.9 Investment limits

The Authority’s revenue reserves available to cover investment losses are forecast to be £30.15 million on 31st March 2018. In order that no more than 25% of available reserves will be put at risk in the case of a single default, the maximum that will be lent to any one organisation (other than the UK Government) will be £7 million. A group of banks under the same ownership will be treated as a single organisation for limit purposes. Limits will also be placed on fund managers, investments in brokers' nominee accounts, foreign countries and industry sectors as below. Investments in pooled funds and multilateral development banks do not count against the limit for any single foreign country, since the risk is diversified over many countries.

Table 4: Investment limits

	Cash limit
Any single organisation, except the UK Central Government	£7m each
UK Central Government	unlimited
Any group of organisations under the same ownership	£7m per group
Any group of pooled funds under the same management	£5m per manager
Foreign countries	£4m per country
Registered providers	£5m in total
Unsecured investments with building societies	£5m in total
Loans to unrated corporates – Renewable Energy	£5m in total
Money Market Funds	£10m in total

7.10 Liquidity management

The Authority uses purpose-built cash flow forecasting to determine the maximum period for which funds may prudently be committed. The forecast is compiled on a prudent basis to minimise the risk of the Authority being forced to borrow on unfavourable terms to meet its financial commitments. Limits on long-term investments are set by reference to the Authority's medium term financial plan and cash flow forecast.

8 Non-Treasury Investments

Although not classed as treasury management activities and therefore not covered by the CIPFA Code or the CLG Guidance, the Authority may also purchase property for investment purposes and may also make loans and investments for service purposes. Such loans and investments will be subject to the Authority's normal approval processes for revenue and capital expenditure and need not comply with this treasury management strategy.

9. Treasury Management Indicators

The Authority measures and manages its exposures to treasury management risks using the following indicators.

9.1 Security

The Authority has adopted a voluntary measure of its exposure to credit risk by monitoring the value-weighted average credit rating of its investment portfolio. This is calculated by applying a score to each investment (AAA=1, AA+=2, etc.) and taking the arithmetic average, weighted by the size of each investment. Unrated investments are assigned a score based on their perceived risk.

	Target
Portfolio average credit rating	***A***

Interest rate exposures: This indicator is set to control the Authority's exposure to interest rate risk. The upper limits on fixed and variable rate interest rate exposures, expressed as the proportion of net principal borrowed will be:

	2018/19	**2019/20**	**2020/21**
Upper limit on fixed interest rate exposure	100%	100%	100%
Upper limit on variable interest rate exposure	100%	100%	100%

Fixed rate investments and borrowings are those where the rate of interest is fixed for at least 12 months, measured from the start of the financial year or the transaction date if later. All other instruments are classed as variable rate.

Maturity structure of borrowing: This indicator is set to control the Authority's exposure to refinancing risk. The upper and lower limits on the maturity structure of fixed rate borrowing will be:

	Upper	**Lower**
Under 12 months	50%	0%
12 months and within 24 months	50%	0%
24 months and within 5 years	100%	0%
5 years and within 10 years	100%	0%
10 years and within 20 years	100%	0%
20 years and within 30 years	100%	0%
30 years and within 40 years	100%	0%
40 years and above	100%	0%

Time periods start on the first day of each financial year. The maturity date of borrowing is the earliest date on which the lender can demand repayment.

Principal sums invested for periods longer than 364 days: The purpose of this indicator is to control the Authority's exposure to the risk of incurring losses by seeking early repayment of its investments. The limits on the long-term principal sum invested to final maturities beyond the period end will be:

	2018/19	2019/20	2020/21
Limit on principal invested beyond year end	£10m	£10m	£10m

10. Other Items

There are a number of additional items that the Authority is obliged by CIPFA or MHCLG to include in its Treasury Management Strategy.

10.1 Policy on the use of financial derivatives

Local authorities have previously made use of financial derivatives embedded into loans and investments both to reduce interest rate risk (e.g. interest rate collars and forward deals) and to reduce costs or increase income at the expense of greater risk (e.g. LOBO loans and callable deposits). The general power of competence in Section 1 of the *Localism Act 2011* removes much of the uncertainty over local authorities' use of standalone financial derivatives (i.e. those that are not embedded into a loan or investment).

The Authority will only use standalone financial derivatives (such as swaps, forwards, futures and options) where they can be clearly demonstrated to reduce the overall level of the financial risks that the Authority is exposed to. Additional risks presented, such as credit exposure to derivative counterparties, will be taken into account when determining the overall level of risk. Embedded derivatives, including those present in pooled funds and forward starting transactions, will not be subject to this policy, although the risks they present will be managed in line with the overall treasury risk management strategy.

Financial derivative transactions may be arranged with any organisation that meets the approved investment criteria. The current value of any amount due from a derivative counterparty will count against the counterparty credit limit and the relevant foreign country limit.

10.2 Policy on apportioning interest to the HRA

On 1st April 2012, the Authority notionally split each of its existing long-term loans into General Fund and HRA pools. In the future, new long-term loans borrowed will be assigned in their entirety to one pool or the other. Interest payable and other costs/income arising from long-term loans (e.g. premiums and discounts on early redemption) will be charged/ credited to the respective revenue account. Differences between the value of the HRA loans pool and the HRA's underlying need to borrow (adjusted for HRA balance sheet resources available for investment) will result in a notional cash balance which may be positive or negative. This balance will be measured each year and interest transferred between the General Fund and HRA at the Authority's average interest rate on investments, adjusted for credit risk.

10.3 Markets in Financial Instruments Directive

The Authority has opted up to professional client status status with its providers of financial services, including advisers, banks, brokers and fund managers, allowing it access to a greater range of services but without the greater regulatory protections afforded to individuals and small companies. Given the size and range of the Authority's treasury management activities, the Chief Financial Officer believes this to be the most appropriate status.

10.4 Investment training

The needs of the Authority's treasury management staff for training in investment management are assessed as part of the staff appraisal process, and additionally when the responsibilities of individual members of staff change.

Officers regularly attend training courses, seminars and conferences provided by Arlingclose and CIPFA.

10.5 Investment advisers

The Authority appointed Arlingclose Limited as treasury management advisers for three years plus the option for a further two years after a joint tender with Gloucestershire County Council, South Gloucestershire Council and the Forest of Dean District Council back in December 2017. The Authority receives specific advice on investment, debt and capital finance issues.

10.6 Investment of money borrowed in advance of need

The Authority may, from time to time, borrow in advance of need, where this is expected to provide the best long-term value for money. Since amounts borrowed will be invested until spent, the Authority is aware that it will be exposed to the risk of loss of the borrowed sums, and the risk that investment and borrowing interest rates may change in the intervening period. These risks will be managed as part of the Authority's overall management of its treasury risks.

The total amount borrowed will not exceed the authorised borrowing limit of £217m. The maximum period between borrowing and expenditure is expected to be two years, although the Authority is not required to link particular loans with particular items of expenditure.

10.7 Financial Implications

The budget for investment income in 2019/20 is £472k, based on an average investment portfolio of £23 million at an interest rate of 2.05%. On top of this interest received on third parties loans amounts to £278,200.The budget for debt interest to be paid in 2019/20 is £3.694 million, based on an average debt portfolio of £115.258 million at an average interest rate of 3.21%.The HRA will reimburse the General Fund £1.571m for its share of the debt it holds as at 1st April 2019. If actual levels of investments and borrowing, and actual interest rates differ from those forecast, performance against budget will be correspondingly different.

10.8 Alternative options

The CIPFA Code does not prescribe any particular treasury management strategy for local authorities to adopt. The Chief Financial Officer**,** having consulted the Cabinet Member for Finance, believes that the above strategy represents an appropriate balance between risk management and cost effectiveness. Some alternative strategies, with their financial and risk management implications, are listed below.

Alternative	Impact on income and expenditure	Impact on risk management
Invest in a narrower range of counterparties and/or for shorter times	Interest income will be lower	Lower chance of losses from credit related defaults, but any such losses may be greater
Invest in a wider range of counterparties and/or for longer times	Interest income will be higher	Increased risk of losses from credit related defaults, but any such losses may be smaller
Borrow additional sums at long-term fixed interest rates	Debt interest costs will rise; this is unlikely to be offset by higher investment income	Higher investment balance leading to a higher impact in the event of a default; however long-term interest costs may be more certain
Borrow short-term or variable loans instead of long-term fixed rates	Debt interest costs will initially be lower	Increases in debt interest costs will be broadly offset by rising investment income in the medium term, but long-term costs may be less certain
Reduce level of borrowing	Saving on debt interest is likely to exceed lost investment income	Reduced investment balance leading to a lower impact in the event of a default; however long-term interest costs may be less certain

Annex A – Arlingclose Limited Economic & Interest Rate Forecast February 2019

Underlying assumptions:

- The uncertain political situation surrounding Brexit has produced the prospect of divergent paths for UK monetary policy.

- Recent political manoeuvrings appear aimed at avoiding the worst-case Brexit scenarios, which may suggest reduced downside risks to the economic outlook and the interest rate forecast, although it is too soon to reflect this in the Arlingclose forecast.

- The MPC bias towards tighter monetary policy remains, but appears to have eased a little on the back of slower global and UK growth/inflation expectations. Policymakers are unlikely to raise Bank Rate unless there is a withdrawal arrangement and the prospect of a transitionary period.

- Both our projected outlook and the increase in the magnitude of political and economic risks facing the UK economy means we maintain the significant downside risks to our forecasts, despite the potential for stronger growth following an extension to Article 50 or a withdrawal agreement as business investment/general confidence recovers. The potential for severe economic outcomes in the short term is uncomfortably higher than it should be. We expect the Bank of England to hold at or reduce interest rates from current levels if Brexit risks materialise.

- The UK economic environment appears relatively soft, despite seemingly strong labour market data. Uncertainty surrounding Brexit and global growth is damaging consumer and business sentiment. GDP growth slowed markedly in Q4 2018 and has not recovered in Q1 2019. Our view is that the UK economy faces a challenging outlook as the country exits the European Union and Eurozone/global economic growth softens, notwithstanding a possible short term bounce in activity should a Brexit deal be agreed.

- Cost pressures have eased due to a fall in oil prices. The apparent tight labour market risks longer term domestically-driven inflationary pressure whatever the external inflation effects. Wage growth has picked up in recent months.

- Global economic growth has eased and the economic/political outlook has prompted central banks to reduce expectations for on-going monetary tightening. Central bank actions and geopolitical risks will continue to produce significant volatility in financial markets, including bond markets.

Forecast:

- The MPC has maintained expectations of a slow rise in interest rates over the forecast horizon. Our central case incorporates the likelihood of the MPC raising rates in the last quarter of 2019 after an extended period of uncertainty or a delay to Brexit.

- Gilt yields have remained at low levels. We expect some upward movement from current levels based on a Brexit transitionary period. However, our projected weak economic outlook and volatility arising from both economic and political events will continue to offer borrowing opportunities.

	Mar-19	Jun-19	Sep-19	Dec-19	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Average
Official Bank Rate														
Upside risk	0.00	0.25	0.25	0.25	0.25	0.25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.37
Arlingclose Central	0.75	0.75	0.75	1.00	1.00	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.10
Downside risk	0.50	0.50	0.50	0.75	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.85
3-mth money marke														
Upside risk	0.10	0.25	0.25	0.25	0.25	0.25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.37
Arlingclose Central	0.90	0.90	0.95	1.20	1.25	1.35	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.26
Downside risk	0.50	0.55	0.60	0.85	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.87
1-yr money market														
Upside risk	0.10	0.30	0.35	0.35	0.35	0.35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.41
Arlingclose Central	1.20	1.20	1.25	1.50	1.60	1.75	1.75	1.70	1.70	1.70	1.70	1.70	1.70	1.57
Downside risk	0.50	0.60	0.60	0.80	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.88
5-yr gilt yield														
Upside risk	0.30	0.30	0.35	0.35	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.43
Arlingclose Central	0.95	0.95	1.00	1.25	1.30	1.45	1.45	1.40	1.40	1.40	1.40	1.40	1.40	1.29
Downside risk	0.45	0.45	0.50	0.75	0.80	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.79
10-yr gilt yield														
Upside risk	0.30	0.30	0.35	0.35	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.43
Arlingclose Central	1.30	1.35	1.40	1.65	1.75	1.90	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.72
Downside risk	0.60	0.65	0.70	0.95	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92
20-yr gilt yield														
Upside risk	0.30	0.30	0.35	0.35	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.43
Arlingclose Central	1.70	1.75	1.80	2.00	2.05	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.07
Downside risk	0.60	0.65	0.70	0.95	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92
50-yr gilt yield														
Upside risk	0.30	0.30	0.35	0.35	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.43
Arlingclose Central	1.65	1.70	1.75	1.95	2.00	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.02
Downside risk	0.60	0.65	0.70	0.95	1.00	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.92