

COTSWOLD DISTRICT COUNCIL

TREASURY MANAGEMENT STRATEGY STATEMENT

2019/2020

1. Introduction

Treasury Management is the management of the Authority's cash flows, borrowing and investments, and the associated risks. The Authority has substantial invested 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 2019/20.

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.

UK Consumer Price Inflation (CPI) for October was up 2.4% year/year, slightly below the consensus forecast and broadly in line with the Bank of England's November Inflation Report. The most recent labour market data for October 2018 showed the unemployment rate edged up slightly to 4.1% while the employment rate of 75.7% was the joint highest on record. The 3-month average annual growth rate for pay excluding bonuses was 3.3% as wages continue to rise steadily and provide some pull on general inflation. Adjusted for inflation, real wages grew by 1.0%, a level still likely to have little effect on consumer spending.

The rise in quarterly GDP growth to 0.6% in Q3 from 0.4% in the previous quarter was due to weather-related factors boosting overall household consumption and construction activity over the summer following the weather-related weakness in Q1. At 1.5%, annual GDP growth continues to remain below trend. Looking ahead, the BoE, in its November Inflation Report, expects GDP growth to average around 1.75% over the forecast horizon, providing the UK's exit from the EU is relatively smooth.

Following the Bank of England's decision to increase Bank Rate to 0.75% in August, no changes to monetary policy have been made since. However, the Bank expects that should the economy continue to evolve in line with its November forecast, further increases in Bank Rate will be required to return inflation to the 2% target. The Monetary Policy Committee continues to reiterate that any further increases will be at a gradual pace and limited in extent.

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 ring-fencing legislation. Bank of Scotland, Barclays Bank UK, HSBC UK Bank, Lloyds Bank, National Westminster Bank, Royal Bank of Scotland and Ulster Bank are the ring-fenced 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 ring-fenced banks generally being better rated than their non-ring fenced 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 BoE 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

Following the increase in Bank Rate to 0.75% in August 2018, the council's treasury management advisers Arlingclose is forecasting two more 0.25% hikes during 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. Whilst assumptions are that a Brexit deal is struck and some agreement reached on transition and future trading arrangements before the UK leaves the EU, the possibility of a "no deal" Brexit still hangs over economic activity (*at the time of writing this commentary in mid-December*). As such, the risks to the interest rate forecast are considered firmly to the downside.

A more detailed economic and interest rate forecast provided by Arlingclose is attached at Appendix A.

5. Balances

On 31st December 2018, the Authority held £41.654m of investments. This is set out in further detail at Appendix B. Forecast changes in these sums are shown in the balance sheet analysis in table 1 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	0	0	5.8	12.4	11.7
Internal borrowing	0	0	0	0	0
Less: Usable reserves	(24.7)	(22.7)	(19.4)	(9.0)	(6.8)
Less: Working capital	(3.5)	(12.5)	(12.5)	(12.5)	(12.5)
Investments	(28.2)	(35.2)	(31.9)	(21.5)	(19.3)

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 is currently debt free however, the Council's capital expenditure plans will require funding from external borrowing resulting in a positive Capital Financing Requirement.

CIPFA's Prudential Code for Capital Finance in Local Authorities recommends that the Authority's total debt should be no higher 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 and the subsequent years following.

6. Borrowing Strategy

The Authority currently does not hold any loans. The Authority may however borrow to pre-fund future years' requirements, providing this does not exceed the authorised limit for borrowing of £10.8 million.

The treasury management function ensures that the Council's cash is organised in accordance with the relevant professional codes, so that sufficient cash is available to meet this service activity. This will involve both the organisation of the cash flow and, where capital plans require, the organisation of appropriate borrowing facilities.

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.

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
- any other UK public sector body
- UK public and private sector pension funds (except Gloucestershire County Council Pension Fund)
- capital market bond investors
- UK Municipal Bonds Agency plc and other special purpose companies created to enable local authority bond issues

Other sources of debt finance: 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

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.

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 below.

7. Investment Strategy

The Authority holds 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 ranged between £24.7 and £43.1 million, levels are expected to fall in the forthcoming year as the Council funds significant capital expenditure from capital receipts and earmarked reserves. The forecast average investment balance for 2019/20 is £31.8 million and the forecast year-end investment balance is £26.3 million.

Objectives

Both the CIPFA Code and the CLG Guidance require 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.

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.

Strategy

Given the increasing risk and very low returns from short-term unsecured bank investments, the Authority aims to diversify funds into more secure and/or higher yielding asset classes during 2019/20. The majority of the Authority's surplus cash is currently invested in short-term unsecured bank deposits, certificates of deposit and money market funds. This diversification will represent a continuation of the new strategy adopted in 2018/19.

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	£10m 50 years	£5m 20 years	£5m 20 years
AA+	£7m 5 years	£7m 10 years	£10m 25 years	£4m 10 years	£5m 10 years
AA	£7m 4 years	£7m 5 years	£7m 15 years	£4m 5 years	£5m 10 years
AA-	£7m 3 years	£7m 4 years	£7m 10 years	£3m 4 years	£5m 10 years
A+	£7m 2 years	£7m 3 years	£7m 5 years	£3m 3 years	£5m 5 years
A	£7m 13 months	£7m 2 years	£7m 5 years	£3m 2 years	£3m 5 years
A-	£7m 6 months	£7m 13 months	£7m 5 years	£2m 13 months	£3m 5 years
None	£5m 6 months	£7m 6 months	n/a	n/a	Through Due Diligence Checks
Pooled funds	£5m per fund				

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. See below for arrangements relating to operational bank accounts.

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 generally a lower risk of insolvency, although they are not zero risk. 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 and registered social landlords, formerly known as housing associations. These bodies are tightly regulated by the Regulator of Social Housing (in England). As providers of public services, they retain the likelihood of receiving government support if needed. If the Registered Providers has no credit rating then due diligence checks through Arlingclose will be carried out beforehand.

Pooled funds: Shares or units 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: The Authority will provide cash-flow cover for a third-party organisations linked to the Authority. The following limit is set for 2019/20:-

- Publica Group - £500k up to one year duration
- Ubico - £500k up to one year duration

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 on the next working day 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.

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 and analysis and advice from the Authority's treasury management adviser. No investments will be made with an organisation if there are substantive doubts about its credit quality, even though it may otherwise 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.

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.

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	£20m
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

Investment limits: The Authority's revenue reserves available to cover investment losses are forecast to be £4.8 million on 31st March 2019. 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 per BS
Money Market Funds	£20m in total

Liquidity management: The Authority uses purpose-built cash flow forecasting software, Logotech, 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.

Treasury Management Indicators

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

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	50%	50%	50%

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.

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:

	2019/20	2020/21	2021/22
Limit on principal invested beyond year end	£20m	£20m	£20m

Limits to borrowing activity

The operational boundary: This is the limit beyond which external debt is not normally expected to exceed. In most cases, this would be a similar figure to the CFR, but may be lower or higher depending on the levels of actual debt.

Operational boundary	2018/19 Revised £ million	2019/20 Estimate £ million	2020/21 Estimate £ million	2021/22 Estimate £ million
Total	2.0	7.8	14.4	13.7

The authorised limit for external debt: A further key prudential indicator represents a control on the maximum level of borrowing. This represents a limit beyond which external debt is prohibited, and this limit needs to be set or revised by the full Council. It reflects the level of external debt which, while not desired, could be afforded in the short term, but is not sustainable in the longer term.

This is the statutory limit determined under section 3 (1) of the Local Government Act 2003. The Government retains an option to control either the total of all councils' plans, or those of a specific council, although this power has not yet been exercised.

The Council is asked to approve the following authorised limit:

Authorised Limit	2018/19 Revised £ million	2019/20 Estimate £ million	2020/21 Estimate £ million	2021/22 Estimate £ million
Total	5.0	10.8	17.4	16.7

Other Items

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

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.

Investment training: The needs of the Authority's treasury management staff for training in investment management are assessed annually as part of the staff appraisal process, and additionally when the responsibilities of individual members of staff change. Staff will regularly attend training courses, seminars and conferences provided by Arlingclose, CIPFA and other such organisations.

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

Financial Implications

The budget for investment income in 2019/20 is £575,000 based on an average investment portfolio of £12.5 million in long-term pooled investments at an interest rate of 3.0% and an average investment portfolio of £19.3 million in shorter-term investments at an interest rate of 1% . If actual levels of investments and actual interest rates differ from those forecast, performance against budget will be correspondingly different.

Appendix A - Arlingclose Economic & Interest Rate Forecast December 2018

Underlying assumptions:

- Our central interest rate forecasts are predicated on there being a transitional period following the UK's official exit from the EU.
- The MPC has a bias towards tighter monetary policy but is reluctant to push interest rate expectations too strongly. We believe that MPC members consider that: 1) tight labour markets will prompt inflationary pressure in the future, 2) ultra-low interest rates result in other economic problems, and 3) higher Bank Rate will be a more effective policy weapon if downside risks to growth crystallise.
- 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 slightly stronger growth next year as business investment rebounds should the EU Withdrawal Agreement be approved. The potential for severe economic outcomes has increased following the poor reception of the Withdrawal Agreement by MPs. We expect the Bank of England to hold at or reduce interest rates from current levels if Brexit risks materialise.
- The UK economic environment is relatively soft, despite seemingly strong labour market data. GDP growth recovered somewhat in the middle quarters of 2018, but more recent data suggests the economy slowed markedly in Q4. Our view is that the UK economy still faces a challenging outlook as the country exits the European Union and Eurozone economic growth softens.
- Cost pressures are easing but inflation is forecast to remain above the Bank's 2% target through most of the forecast period. Lower oil prices have reduced inflationary pressure, but the tight labour market and decline in the value of sterling means inflation may remain above target for longer than expected.
- Global economic growth is slowing. Despite slower growth, the European Central Bank is conditioning markets for the end of QE, the timing of the first rate hike (2019) and their path thereafter. More recent US data has placed pressure on the Federal Reserve to reduce the pace of monetary tightening - previous hikes and heightened expectations will, however, slow economic growth.
- Central bank actions and geopolitical risks have and 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, but recent events around Brexit have dampened interest rate expectations. Our central case is for Bank Rate to rise twice in 2019, after the UK exits the EU. The risks are weighted to the downside.
- Gilt yields have remained at low levels. We expect some upward movement from current levels based on our central case that the UK will enter a transitional period following its EU exit in March 2019. However, our projected weak economic outlook and volatility arising from both economic and political events will continue to offer borrowing opportunities.

	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19	Mar-20	Jun-20	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Average
Official Bank Rate														
Upside risk	0.00	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.17
Arlingclose Central Case	0.75	0.75	1.00	1.00	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.13
Downside risk	0.00	-0.50	-0.75	-0.75	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-0.85
3-mth money market rate														
Upside risk	0.10	0.10	0.10	0.10	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.17
Arlingclose Central Case	0.90	0.95	1.10	1.30	1.40	1.40	1.40	1.35	1.35	1.35	1.35	1.35	1.35	1.27
Downside risk	-0.20	-0.45	-0.60	-0.80	-0.90	-0.90	-0.90	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.76
1-yr money market rate														
Upside risk	0.20	0.30	0.30	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.33
Arlingclose Central Case	1.15	1.25	1.35	1.50	1.70	1.60	1.50	1.40	1.35	1.35	1.35	1.35	1.35	1.40
Downside risk	-0.35	-0.50	-0.60	-0.80	-0.90	-0.90	-0.90	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.77
5-yr gilt yield														
Upside risk	0.25	0.30	0.30	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.37
Arlingclose Central Case	1.15	1.25	1.35	1.50	1.50	1.40	1.35	1.35	1.30	1.30	1.30	1.30	1.30	1.33
Downside risk	-0.50	-0.60	-0.65	-0.80	-0.80	-0.70	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.66
10-yr gilt yield														
Upside risk	0.25	0.30	0.30	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.37
Arlingclose Central Case	1.50	1.65	1.70	1.80	1.80	1.75	1.75	1.70	1.70	1.70	1.70	1.70	1.70	1.70
Downside risk	-0.55	-0.70	-0.70	-0.80	-0.80	-0.75	-0.75	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.71
20-yr gilt yield														
Upside risk	0.25	0.30	0.30	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.37
Arlingclose Central Case	2.00	2.10	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.18
Downside risk	-0.60	-0.70	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.73
50-yr gilt yield														
Upside risk	0.25	0.30	0.30	0.35	0.35	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.37
Arlingclose Central Case	1.90	1.95	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99
Downside risk	-0.60	-0.70	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.73

PWLB Certainty Rate (Maturity Loans) = Gilt yield + 0.80%

PWLB Infrastructure Rate (Maturity Loans) = Gilt yield + 0.60%

Appendix B – Existing Investment Position

	31 st December 2018 Actual Portfolio £m	31 st December 2018 Average Rate %
Treasury investments:		
Banks & building societies (unsecured)	15.094	0.87
Government (incl. local authorities)	5.000	0.90
Money Market Funds	13.060	0.58
Other pooled funds		
CCLA Property Fund	2.500	3.57
CCLA Diversified Income Fund	1.000	4.33
Schroders Income Maximiser Fund	1.000	7.90
M&G UK Income Distribution Fund	2.000	4.00(est)
Investec Diversified Income Fund	2.000	3.00(est)
Total treasury investments	41.654	1.21
Net Investment	41.654	