

Treasury Management Strategy Statement 2021 / 22

Maldon District Council

Introduction

Treasury management is the management of the Authority's cash flows, borrowing and investments, and the associated risks. The Authority has 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 are considered in the Capital and Investment Strategy Report.

External Context

Economic background: The impact on the UK from coronavirus, together with its exit from the European Union and future trading arrangements with the bloc, will remain a major influence on the Authority's treasury management strategy for 2021/22.

The Bank of England (BoE) maintained Bank Rate at 0.10% in November 2020 and also extended its Quantitative Easing programme by £150 billion to £895 billion. The Monetary Policy Committee voted unanimously for both, but no mention was made of the potential future use of negative interest rates. Within the latest forecasts, the Bank expects the UK economy to shrink -2% in Q4 2020 before growing by 7.25% in 2021, lower than the previous forecast of 9%. The BoE also forecasts the economy will now take until Q1 2022 to reach its pre-pandemic level rather than the end of 2021 as previously forecast.

UK Consumer Price Inflation (CPI) for October 2020 registered 0.7% year on year, up from 0.2% in the previous month. Core inflation, which excludes the more volatile components, rose to 1.5% from 1.3%. The most recent labour market data for the three months to August 2020 showed the unemployment rate rose to 4.5% while the employment rate fell to 75.6%. Both measures are expected to deteriorate further due to the ongoing impact of coronavirus on the jobs market, particularly when the various government job retention schemes start to be unwound in 2021, with the BoE forecasting unemployment will peak at 7.75% in Q2 2021. In August, the headline 3-month average annual growth rate for wages were 0% for total pay and 0.8% for regular pay. In real terms, after adjusting for inflation, total pay growth fell by -0.8% while regular pay was up 0.1%.

GDP growth fell by -19.8% in the second quarter of 2020, a much sharper contraction from -2.0% in the previous three months, with the annual rate falling -21.5% from -1.6%. All sectors fell quarter-on-quarter, with dramatic declines in construction (-35.7%), services (-19.2%) and production (-16.3%), and a more modest fall in agriculture (-5.9%). Monthly GDP estimates have shown the economy is recovering but remains well below its pre-pandemic peak. Looking ahead, the BoE's November Monetary Policy Report forecasts economic growth will rise in 2021 with GDP reaching 11% in Q4 2021, 3.1% in Q4 2022 and 1.6% in Q4 2023.

GDP growth in the euro zone rebounded by 12.7% in Q3 2020 after contracting by -3.7% and -11.8% in the first and second quarters, respectively. Headline inflation, however, remains extremely weak, registering -0.3% year-on-year in October, the third successive month of deflation. Core inflation registered 0.2% y/y, well below the European Central Bank's (ECB) target of 'below, but close to 2%'. The ECB is expected to continue holding its main interest rate of 0% and deposit facility rate of -0.5% for some time with further monetary stimulus expected later in 2020.

The US economy contracted at an annualised rate of 31.7% in Q2 2020 and then rebounded by 33.1% in Q3. The Federal Reserve maintained the Fed Funds rate at between 0% and 0.25% and announced a change to its inflation targeting regime to a more flexible form of average targeting. The Fed also provided strong indications that interest rates are unlikely to change from current levels over the next three years.

Former vice-president Joe Biden won the 2020 US presidential election. Mr Biden is making tackling coronavirus his immediate priority and will also be reversing several executive orders signed by his predecessor and take the US back into the Paris climate accord and the World Health Organization.

Credit outlook: After spiking in late March as coronavirus became a global pandemic, credit default swap (CDS) prices for the larger UK banks have steadily fallen back to almost pre-pandemic levels. Although uncertainty around COVID-19 related loan defaults lead to banks provisioning billions for potential losses in the first half of 2020, drastically reducing profits, reported impairments for Q3 were much reduced in some institutions. However, general bank profitability in 2020 is likely to be significantly lower than in previous years.

The credit ratings for many UK institutions were downgraded on the back of downgrades to the sovereign rating. Credit conditions more generally though in banks and building societies have tended to be relatively benign, despite the impact of the pandemic.

Looking forward, the potential for bank losses to be greater than expected when government and central bank support starts to be removed remains a risk, as does the UK not achieving a Brexit deal, suggesting a cautious approach to bank deposits in 2021/22 remains advisable.

Interest rate forecast: The Authority's treasury management adviser Arlingclose is forecasting that BoE Bank Rate will remain at 0.1% until at least the end of 2023. The risks to this forecast are judged to be to the downside as the BoE and UK government continue to react to the coronavirus pandemic and the Brexit transition period ends. The BoE extended its asset purchase programme to £895 billion in November while keeping Bank Rate on hold. However, further interest rate cuts to zero, or possibly negative, cannot yet be ruled out but this is not part of the Arlingclose central forecast.

Gilt yields are expected to remain very low in the medium-term while short-term yields are likely remain below or at zero until such time as the BoE expressly rules out the chance of negative interest rates or growth/inflation prospects improve. The central case is for 10-year and 20-year to rise to around 0.5% and 0.75% respectively over the time horizon. The risks around the gilt yield forecasts are judged to be broadly balanced between upside and downside risks, but there will almost certainly be short-term volatility due to economic and political uncertainty and events.

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

For the purpose of setting the budget, it has been assumed that new treasury investments will be made at an average rate of 0.6%. Any new borrowing will be built into the budget at the relevant rate. For the purpose of project costing, the PWLB certainty rate for the borrowing term will be used.

Local Context

On 30 November 2020 the Authority held zero of borrowing and £26m of treasury investments. This is set out in further detail later in this appendix. Forecast changes in these sums are shown in the balance sheet analysis in table 1 below.

Table 1: Balance sheet summary and forecast

	31.3.20 Actual £000	31.3.21 Estimate £000	31.3.22 Forecast £000	31.3.23 Forecast £000	31.3.24 Forecast £000
General Fund CFR	71	71	59	3	0
Usable reserves	-11,891	-7,907	-7,665	-6,805	-4,149
Working capital	-2,300	-2,300	-2,300	-2,300	-2,300
Investments	14,120	10,136	9,906	9,102	6,449

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 Council is currently debt free and its capital expenditure plans imply no need to borrow over the forecast period. Investments are forecast to fall to £6.4m by 31 March 2024 as capital receipts are used to finance capital expenditure and reserves are used to finance the revenue budget.

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 2021/22.

Liability benchmark: To compare the Council's actual borrowing against an alternative strategy, a liability benchmark has been calculated showing the lowest risk level of borrowing. This assumes the same forecasts as table 1 above, but that cash and investment balances are kept to a minimum level of £10m at each year-end to maintain sufficient liquidity but minimise credit risk. The table shows MDC may drop below the £10m minimum investment from 2021/22.

Table 2: Liability benchmark

	31.3.20 Actual £000	31.3.21 Estimate £000	31.3.22 Forecast £000	31.3.23 Forecast £000	31.3.24 Forecast £000
General Fund CFR	71	71	59	3	0
Usable reserves	-11,891	-7,907	-7,665	-6,805	-4,149
Working capital	-2,300	-2,300	-2,300	-2,300	-2,300
Minimum Investments	10,000	10,000	10,000	10,000	10,000
Liability benchmark	-4,120	-136	94	898	3,551

Borrowing Strategy

The Council is currently debt free and its capital expenditure plans indicate a very small requirement to borrow and the Council will fulfil this requirement from short dated borrowing. Short-term interest rates are currently much lower than long-term rates, so this is likely to be more cost effective.

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

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

- HM Treasury's PWLB lending facility (formerly the Public Works Loan Board)
- 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 our Local Government 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 issues bonds on the capital markets and lends the proceeds to local authorities. This is a more complicated source of finance than the PWLB for two reasons: borrowing authorities will be required to provide bond investors with a 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 interest rate exposure limits in the treasury management indicators below.

Treasury Investment Strategy

The Council holds significant invested funds, representing income received in advance of expenditure plus balances and reserves held. In the past 12 months, the Council's investment balance has ranged between £10m and £30 million. Levels are expected to decrease in the forthcoming year as reserves are used to fund capital and revenue expenditure.

Objectives: The CIPFA Code requires the Authority to invest its treasury 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: The COVID-19 pandemic has increased the risk that the Bank of England will 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. Since investments cannot pay negative income, negative rates will be applied by reducing the value of investments. 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 Council will look to further diversify into more secure and/or higher yielding asset classes during 2021/22. This is especially the case for the funds available for longer-term investment. The majority of the Council's surplus cash remains 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 2017.

Business models: Under the new IFRS 9 standard, the accounting for certain investments depends on the Authority's "business model" for managing them. The Authority aims to achieve value from its treasury investments by a business model of collecting the contractual cash flows and therefore, where other criteria are also met, these investments will continue to be accounted for at amortised cost.

Approved counterparties: The Authority may invest its surplus funds with any of the counterparty types in table 3 below, subject to the limits shown.

Table 3: Treasury investment counterparties and limits

Sector	Time limit	Counterparty limit	Sector limit
The UK Government	50 years	Unlimited	n/a
Local authorities & other government entities	25 years	£2m	Unlimited
Secured investments	25 years	£2m	Unlimited
Banks (unsecured)	13 months	£2m	Unlimited
Building societies (unsecured)	13 months	£2m	£5m
Registered providers (unsecured)	5 years	£2m	£5m
Money market funds	n/a	£5m	£12m
Strategic pooled funds	n/a	£5m	£12m
Real estate investment trusts	n/a	£5m	£12m
Other investments	5 years	£2m	£5m

This table must be read in conjunction with the notes below

Credit rating: Investment limits are set by reference to the lowest published long-term credit rating from a selection of external rating agencies. 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.

Government: Loans to, and 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 Government are deemed to be zero credit risk due to its ability to create additional currency and therefore may be made in unlimited amounts for up to 50 years.

Secured investments: Investments secured on the borrower's assets, which limits the potential losses in the event of insolvency. The amount and quality of the security will be a key factor in the investment decision. Covered bonds and reverse repurchase agreements with banks and building societies 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. The combined secured and unsecured investments with any one counterparty will not exceed the cash limit for secured investments.

Banks and building societies (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.

Registered providers (unsecured): Loans to, and bonds issued or guaranteed by, registered providers of social housing or registered social landlords, formerly known as housing associations. These bodies are regulated by the Regulator of Social Housing (in England), the Scottish Housing Regulator, the Welsh Government and the Department for Communities (in Northern Ireland). As providers of public services, they retain the likelihood of receiving government support if needed.

Money market funds: Pooled funds that offer same-day or short notice liquidity and very low or no price volatility by investing in short-term money markets. They have the advantage over bank accounts of providing wide diversification of investment risks, coupled with the services of a professional fund manager in return for a small fee. Although no sector limit applies to money market funds, the Authority will take care to diversify its liquid investments over a variety of providers to ensure access to cash at all times.

Strategic pooled funds: Bond, equity and property funds that 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.

Real estate investment trusts: Shares in companies that invest mainly in real estate and pay the majority of their rental income to investors in a similar manner to pooled property funds. As with property funds, REITs offer enhanced returns over the longer term, but are more volatile especially as the share price reflects changing demand for the shares as well as changes in the value of the underlying properties.

Operational bank accounts: The Authority may incur operational exposures, for example through current accounts, collection accounts and merchant acquiring services, to any UK bank with credit ratings no lower than BBB- and with assets greater than £25 billion. These are not classed as investments but are still subject to the risk of a bank bail-in, and balances will therefore be kept below £2m per bank. The Bank of England has stated that in the event of failure, banks with assets greater than £25 billion are more likely to be bailed-in than made insolvent, increasing the chance of the Authority maintaining operational continuity.

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. The credit rating agencies in current use are listed in the Treasury Management Practices document at Appendix 2. 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 no investments 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, 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 above criteria.

When deteriorating financial market conditions affect the creditworthiness of all organisations, as happened in 2008 and 2020, 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, or with other local authorities. This will cause investment returns to fall but will protect the principal sum invested.

Investment limits: The Council's revenue reserves available to cover investment losses were forecast to be £6.1 million on 31st March 2022. In order that available reserves will not significantly be put at risk in the case of a single default, the maximum that will be lent to any one organisation including UK Local Government Authorities (other than the UK Government) will be £2 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	£2m each
UK Central Government	unlimited
UK Local Government Authorities	£2m per Authority
Any group of organisations under the same ownership	£2m per group
Any group of pooled funds under the same management	£5m per manager
Negotiable instruments held in a broker's nominee account	£10m per broker
Registered providers and registered social landlords	£2m in total
Unsecured investments with building societies	£5m in total
Loans to unrated corporates	£2m in total
Money market funds	£12m in total

Liquidity management: The Authority uses purpose-built cash flow forecasting methods 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.

The Authority spreads its liquid cash over at multiple providers to ensure that access to cash is maintained in the event of operational difficulties at any one provider.

Treasury Management Indicators

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

Security: The Council has adopted a voluntary measure of its exposure to credit risk by monitoring the value-weighted average credit score 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.

Credit risk indicator	Target
Portfolio average credit score	6

Liquidity: The Council has adopted a voluntary measure of its exposure to liquidity risk by monitoring the amount of cash available to meet unexpected payments within a rolling three-month period, without additional borrowing.

Liquidity risk indicator	Target £000
Total cash available within 3 months	£5,000

Interest rate exposures: This indicator is set to control the Council’s exposure to interest rate risk. The upper limits on the one-year revenue impact of a 1% rise or fall in interest rates will be:

Interest rate risk indicator	Limit
Upper limit on one-year revenue impact of a 1% <u>rise</u> in interest rates	£62,000
Upper limit on one-year revenue impact of a 1% <u>fall</u> in interest rates	-£45,000

The impact of a change in interest rates is calculated on the assumption that maturing loans and investments will be replaced at current rates.

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

Refinancing rate risk indicator	Upper limit	Lower limit
Under 12 months	100%	0%
12 months and within 24 months	100%	0%
24 months and within 5 years	100%	0%
5 years and within 10 years	100%	0%
10 years and above	100%	0%

As the Council does not have any external debt, the broad limits, above, have been set to allow any borrowing to be undertaken in the appropriate maturity band.

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 a year: The purpose of this indicator is to control the Council’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:

Price risk indicator	2020/21 £000	2021/22 £000	2022/23 £000
Limit on principal invested beyond year end	£7,500	£7,500	£7,500

Related Matters

The CIPFA Code requires the Authority to include the following in its treasury management strategy.

Financial derivatives: Councils 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 considered 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, assessed using the appropriate credit rating for derivative exposures. An allowance for credit risk calculated using the methodology in the Treasury Management Practices document will count against the counterparty credit limit and the relevant foreign country limit.

Markets in Financial Instruments Directive: The Council has opted up to professional client 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 Council’s treasury management activities, the Section 151 Officer considers this to be the most appropriate status.

Financial Implications

The budget for investment income in 2021/22 is £133,000, based on an average investment portfolio of £21 million at an average interest rate of 0.6%. The budget for debt interest paid in 2020/21 is currently zero as there is not a confirmed timeline for any borrowing requirement. If actual levels of investments and borrowing, or actual interest rates, differ from that forecast, performance against budget will be correspondingly different.

Other Options Considered

The CIPFA Code does not prescribe any particular treasury management strategy for local authorities to adopt. The Section 151 Officer 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

Appendix A - Arlingclose Economic & Interest Rate Forecast - November 2020**Underlying assumptions:**

- The medium-term global economic outlook remains weak. Second waves of Covid cases have prompted more restrictive measures and further lockdowns in Europe and the UK. This ebb and flow of restrictions on normal activity will continue for the foreseeable future, at least until an effective vaccine is produced and importantly, distributed.
- The global central bank and government responses have been significant and are in many cases on-going, maintaining more stable financial, economic and social conditions than otherwise.
- Although these measures supported a sizeable economic recovery in Q3, the imposition of a second national lockdown in England during November will set growth back and likely lead to a fall in GDP in Q4.
- Signs of a slowing economic recovery were already evident in UK monthly GDP and PMI data, even before the latest restrictions. Despite some extension to fiscal support measures, unemployment is expected to rise when these eventually come to an end in mid-2021.
- This situation will result in central banks maintaining low interest rates for the medium term. In the UK, Brexit is a further complication. Bank Rate is therefore likely to remain at low levels for a very long time, with a distinct possibility of being cut to zero. Money markets continue to price in a chance of negative Bank Rate.
- Longer-term yields will also remain depressed, anchored by low central bank policy rates, expectations for potentially even lower rates and insipid inflation expectations. There is a chance yields may follow a slightly different path in the medium term, depending on investor perceptions of growth and inflation, the development of a vaccine or if the UK leaves the EU without a deal.

Forecast:

- Arlingclose expects Bank Rate to remain at the current 0.10% level.
- Additional monetary loosening through increased financial asset purchases was delivered as we expected. Our central case for Bank Rate is no change, but further cuts to zero, or perhaps even into negative territory, cannot be completely ruled out.
- Gilt yields will remain low in the medium term. Shorter term gilt yields are currently negative and will remain around zero or below until either the Bank expressly rules out negative Bank Rate or growth/inflation prospects improve.
- Downside risks remain in the near term, as the government continues to react to the escalation in infection rates and the Brexit transition period comes to an end.

APPENDIX 1

	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23
Official Bank Rate													
Upside risk	0.00	0.00	0.00	0.15	0.15	0.15	0.15	0.30	0.30	0.30	0.30	0.30	0.30
Artingclose Central Case	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Downside risk	-0.10	-0.20	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
3-month money market rate													
Upside risk	0.05	0.05	0.05	0.10	0.10	0.15	0.20	0.30	0.30	0.30	0.30	0.30	0.30
Artingclose Central Case	0.10	0.10	0.15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Downside risk	-0.40	-0.40	-0.45	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
5yr gilt yield													
Upside risk	0.40	0.40	0.40	0.45	0.45	0.50	0.50	0.55	0.60	0.60	0.65	0.65	0.70
Artingclose Central Case	0.00	0.00	0.05	0.10	0.15	0.15	0.20	0.20	0.25	0.25	0.25	0.25	0.25
Downside risk	-0.30	-0.40	-0.50	-0.55	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60
10yr gilt yield													
Upside risk	0.40	0.40	0.40	0.45	0.45	0.50	0.50	0.55	0.60	0.60	0.65	0.65	0.70
Artingclose Central Case	0.30	0.30	0.35	0.40	0.40	0.45	0.45	0.50	0.50	0.55	0.55	0.55	0.55
Downside risk	-0.30	-0.40	-0.50	-0.55	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
20yr gilt yield													
Upside risk	0.40	0.40	0.40	0.45	0.45	0.50	0.50	0.55	0.60	0.60	0.65	0.65	0.70
Artingclose Central Case	0.70	0.70	0.70	0.75	0.75	0.75	0.80	0.80	0.85	0.85	0.85	0.85	0.85
Downside risk	-0.20	-0.20	-0.25	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30
50yr gilt yield													
Upside risk	0.40	0.40	0.40	0.45	0.45	0.50	0.50	0.55	0.60	0.60	0.65	0.65	0.70
Artingclose Central Case	0.60	0.60	0.60	0.65	0.65	0.65	0.70	0.70	0.75	0.75	0.75	0.75	0.75
Downside risk	-0.20	-0.20	-0.25	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30	-0.30

PWLB Certainty Rate (Maturity Loans) = Gilt yield + 1.80%
PWLB HRA Rate = Gilt yield + 0.80%
PWLB Infrastructure Rate (Maturity Loans) = Gilt yield + 0.60%

Appendix B - Existing Investment & Debt Portfolio Position

	30 Nov 2020 Actual Portfolio £m	30 Nov 2020 Average Rate %
Total external borrowing	0	
Total gross external debt	0	
Treasury investments:		
UK Banks	3	0.2
Building societies (unsecured)	0	0.0
Certificate Deposit	2	0.9
Money Market Funds	10	0.9
Local Authorities	6	0.2
Other Financial Intermediaries	2	2.3
Debt management office	3	0.0
Total treasury investments	26	0.6