APPENDIX A

Treasury Management Strategy Statement 2017/18

1. Introduction

1.1 In March 2011 the Authority adopted the Chartered Institute of Public Finance and Accountancy's *Treasury Management in the Public Services: Code of Practice 2011 Edition* (the CIPFA Code) which requires the Authority to approve a treasury management strategy before the start of each financial year.

1.2 In addition, the Welsh Government (WG) issued revised *Guidance on Local Authority Investments* in April 2010 that requires the Authority to approve an investment strategy before the start of each financial year.

1.3 This report fulfils the Authority's legal obligation under the *Local Government Act 2003* to have regard to both the CIPFA Code and the WG Guidance.

1.4 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 risk are therefore central to the Authority's treasury management strategy.

1.5 In accordance with the WG Guidance, the Authority will be asked to approve a revised Treasury Management Strategy Statement should the assumptions on which this report is based change significantly. Such circumstances would include, for example, a large unexpected change in interest rates, or in the Authority's capital programme or in the level of its investment balance.

2. External Context

2.1 Economic background

The major external influence on the Authority's treasury management strategy for 2017/18 will be the UK's progress in negotiating a smooth exit from the European Union. Financial markets, wrong-footed by the referendum outcome, have since been weighed down by uncertainty over whether leaving the Union also means leaving the single market. Negotiations are expected to start once the UK formally triggers exit in early 2017 and last for at least two years. Uncertainty over future economic prospects will therefore remain throughout 2017/18.

The fall and continuing weakness in sterling and the near doubling in the price of oil in 2016 have combined to drive inflation expectations higher. The Bank of England is forecasting that Consumer Price Inflation (CPI) will breach its 2% target in 2017, the first time since late 2013, but the Bank is expected to look through inflation overshoots over the course of 2017 when setting interest rates so as to avoid derailing the economy.

Initial post-referendum economic data showed that the feared collapse in business and consumer confidence had not immediately led to lower GDP growth. However, the prospect of a leaving the single market has dented business confidence and resulted in a delay in new business investment and, unless counteracted by higher public spending or retail sales, will weaken economic growth in 2017/18.

Looking overseas, with the US economy and its labour market showing steady improvement, the market has priced in a high probability of the Federal Reserve increasing interest rates in December 2016. The Eurozone meanwhile has continued to struggle with very low inflation and lack of momentum in growth, and the European Central Bank has left the door open for further quantitative easing.

The impact of political risk on financial markets remains significant over the next year. With challenges such as immigration, the rise of populist, anti-establishment parties and negative interest rates resulting in savers being paid nothing for their frugal efforts or even penalised for them, the outcomes of Italy's referendum on its constitution (December 2016), the French presidential and general elections (April – June 2017) and the German federal elections (August – October 2017) have the potential for upsets.

2.2 Credit outlook

Markets have expressed concern over the financial viability of a number of European banks recently. Sluggish economies and continuing fines for pre-crisis behaviour have weighed on bank profits, and any future slowdown will exacerbate concerns in this regard.

Bail-in legislation, which ensures that large investors including local authorities will rescue failing banks instead of taxpayers in the future, has now been fully implemented in the European Union, Switzerland and USA, while Australia and Canada are progressing with their own plans. The credit risk associated with making unsecured bank deposits has therefore increased relative to the risk of other investment options available to the Authority; returns from cash deposits however continue to fall.

2.3 Interest rate forecast

The Authority's treasury adviser Arlingclose's central case is for UK Bank Rate to remain at 0.25% during 2017/18. The Bank of England has, however, highlighted that excessive levels of inflation will not be tolerated for sustained periods. Given this view and the current inflation outlook, further falls in the Bank Rate look less likely. Negative Bank Rate is currently perceived by some policymakers to be counterproductive, but although a low probability, this cannot be entirely ruled out in the medium term, particularly if the UK enters recession as a result of concerns over leaving the European Union.

Gilt yields have risen sharply, but remain at low levels. The Arlingclose central case is for yields to decline when the government triggers Article 50. Long-term economic fundamentals remain weak, and the quantitative easing (QE) stimulus provided by central banks globally has only delayed the fallout from the build-up of public and private sector debt. The Bank of England has defended QE as a monetary policy tool, and further QE in support of the UK economy in 2017/18 remains a possibility, to keep long-term interest rates low.

2.4 A more detailed economic and interest rate forecast provided by Arlingclose is attached at ***Appendix 1.***

2.5 For the purpose of setting the budget, it has been assumed that new investments will be made at an average rate of 0.25%, and that no new long-term loans will be required.

3. Local Context

3.1 The Authority had £108.7m of borrowing and £45.5m of investments as at 31 December 2016. This is set out in further detail at ***Annex B***. Forecast changes in these sums are shown in the balance sheet analysis in table 1 below.

Table 1: Balance Sheet Summary and Forecast

	31.3.16 Actual £’000	**31.3.17 Estimate £’000**	**31.3.18 Estimate £’000**	**31.3.19 Estimate £’000**	**31.3.20 Estimate £’000**
Borrowing CFR	**171,376**	**178,281**	**179,581**	**176,390**	**172,985**
Less: External borrowing *	(114,870)	(107,497)	(106,790)	(106,790)	(106,083)
Internal borrowing	**56,506**	**70,784**	**72,791**	**69,600**	**66,902**
Less: Usable reserves	(58,061)	(73,088)	(78,807)	(78,807)	(80,690)
Less: Working capital	(66,925)	(17,041)	(16,771)	(16.500)	(16,500)
Investments	**(68,480)**	**(19,345)**	**(22,787)**	**(25,707)**	**(30,288)**

* shows only loans to which the Authority is committed and excludes optional refinancing

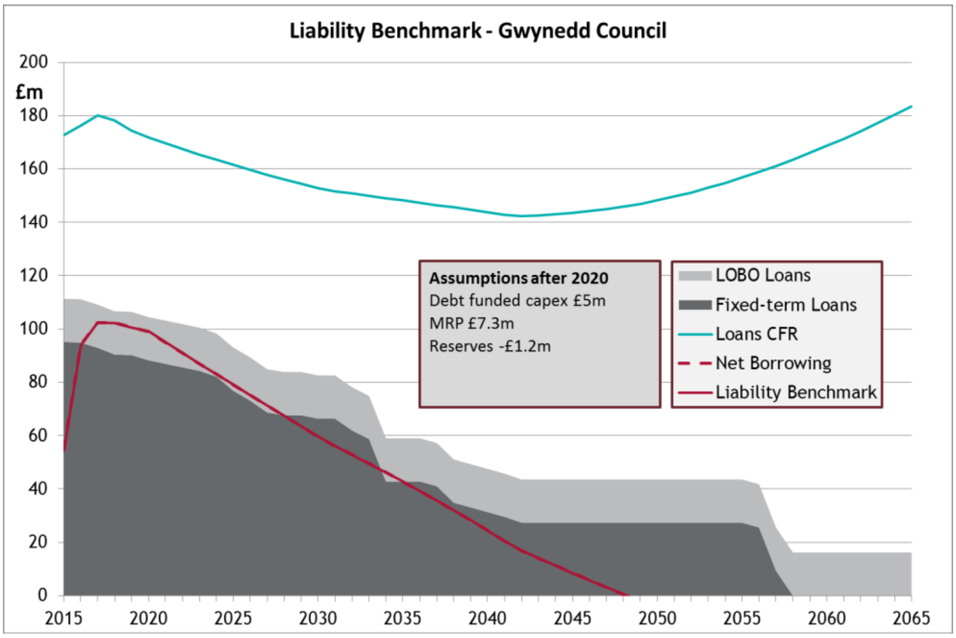
3.2 The underlying need to borrow for capital purposes is measured by the Capital Financing Requirement (CFR), while usable reserves and working capital are the underlying resources available for investment. The Authority's current strategy is to maintain borrowing and investments below their underlying levels, sometimes known as internal borrowing.

Table 1 shows that the Council should not need to borrow during the next three years.

3.3 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 2017/18.

3.4 To assist with its long-term treasury management strategy, the Authority and its advisers have created a liability benchmark, which forecasts the Authority's need to borrow over a 50 year period. Following on from the medium term forecasts in table 1 above, the benchmark assumes:

- capital expenditure funded by borrowing of £5m a year
- minimum revenue provision on new capital expenditure based on a 25 year asset life
- income, expenditure and reserves all increase by 2.5% inflation a year



The chart shows that borrowing is much lower than the CFR and that the Council has funds to invest. On the assumptions noted above this is likely to continue to be the position in the long term.

4. Borrowing Strategy

4.1 The Authority currently holds £109 million of loans, a decrease of £1m on the previous year, as part of its strategy for funding previous years' capital programmes. The balance sheet forecast in table 1 shows that the Authority does not expect to need to borrow in 2017/18. The Authority may however borrow to pre-fund future years' requirements, providing this does not exceed the authorised limit for borrowing of £190 million.

4.2 Objectives

The Authority's chief objective when borrowing money is to strike an appropriately low risk balance between securing low interest costs and achieving cost certainty 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.

4.3 Strategy

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 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 2017/18 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 in 2017/18, 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 unexpected cash flow shortages.

4.4 Sources

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 paragraph 5.5 below)
- any other bank or building society authorised to operate in the UK

- UK local authorities
- Capital market investors
- 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:

- operating and finance leases
- hire purchase
- Private Finance Initiative
- sale and leaseback

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

4.5 Short-term and Variable Rate Loans

Short-term and variable rate 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.

4.6 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 saving or reduction in risk.

5. Investment Strategy

5.1 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 £38 and £87 million, and similar levels are expected to be maintained in the forthcoming year.

This includes the cash balances of Gwynedd Pension Fund which are pooled with the Council's funds for investment purposes. The Pension Fund requests this annually as the returns received are improved and the risks reduced by combining the cash with the Council's funds. The Pensions Committee will approve the relevant elements of this Strategy Statement and request the continuation of the pooling arrangements for 2017/18 at its meeting on 16 March 2017.

5.2 Objectives

Both the CIPFA Code and the WG 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.

5.3 Negative Interest Rates

If the UK enters into a recession in 2017/18, 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.

5.4 Strategy

Given the increasing risk and falling returns from short-term unsecured bank investments, the Authority aims to further diversify into more secure and/or higher yielding asset classes during 2017/18. 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 strategy adopted in 2015/16.

5.5 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 time limits shown.

Table 2: Approved Investment Counterparties

Credit Rating	Banks Unsecured	Banks Secured	Government	Corporates	Registered Providers
UK Govt	n/a	n/a	£ Unlimited 50 years	n/a	n/a
AAA	5% 5 years	10% 20 years	10% 50 years	5% 20 years	5% 20 years
AA+	5% 5 years	10% 10 years	10% 25 years	5% 10 years	5% 10 years
AA	5% 4 years	10% 5 years	10% 15 years	5% 5 years	5% 10 years
AA-	5% 3 years	10% 4 years	10% 10 years	5% 4 years	5% 10 years
A+	5% 2 years	10% 3 years	5% 5 years	5% 3 years	5% 5 years
A	5% 13 months	10% 2 years	5% 5 years	5% 2 years	5% 5 years
A-	5% 6 months	10% 13 months	5% 5 years	5% 13 months	5% 5 years
BBB+	2.5% 100 days	5% 6 months	2.5% 2 years	2.5% 6 months	2.5% 2 years
None	£1m 6 months	n/a	10% 25 years	£50,000 5 years	5% 5 years
Pooled funds	10% per fund				
Business loans to local companies*			£3m in total 10 years		

This table must be read in conjunction with the notes below.

* Advancement of these loans will be approved by the procedure detailed in paragraph 5.9 below. Evaluation of the Business Loans is not part of the advice or services from the Council's treasury advisor.

5.6 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.

5.7 **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. Unsecured investment with banks rated BBB are restricted to overnight deposits at the Authority's current account bank Barclays Bank plc.

5.8 **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.

5.9 **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.

5.10 **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 as part of a diversified pool in order to spread the risk widely.

5.11 **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.

5.12 **Pooled Funds**

Shares in diversified investment vehicles consisting of 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.

5.13 Local Loans Fund

The Council has set up a Local Loans Fund which will make loans to local businesses. These investments are included in the Non-Specific Investments table above and will be for a maximum period of 10 years. The total value of the fund for such investments is £3million. Applications for loans under this scheme will not be part of the usual credit assessment for treasury management investment purposes but will be assessed by appointed consultants and any decision to lend will be made by the Investment Panel for the scheme.

5.14 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.

5.15 **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.

5.16 **Specified Investments**

The WG 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 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.

5.17 **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. 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; those that are defined as capital expenditure by legislation, such as shares in money market funds and other pooled funds; 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	£40m
Total shares in Money Market funds	£40m
Total shares in other pooled funds	£8m
Total investments without credit ratings or rated below [A-]	£8m
Total investments (except pooled funds) with institutions domiciled in foreign countries rated below [AA+]	£8m
Total non-specified investments	£80m

5.18 **Investment Limits**

The Authority's revenue reserves and Pension Fund cash available to cover investment losses are forecast to be £56 million on 31st March 2017. In order that no more than 15% 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 £8 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	£8m each
UK Central Government	unlimited
Any group of organisations under the same ownership	£8m per group
Any group of pooled funds under the same management	£20m per manager
Negotiable instruments held in a broker's nominee account	£40m per broker
Foreign countries	£8m per country
Registered Providers	£20m in total
Unsecured investments with Building Societies	£8m in total
Loans to unrated corporates	£8m in total
Money Market Funds	£ £40m in total

5.19 **Liquidity management**

The Authority uses prudent cash flow forecasting techniques to determine the maximum period for which funds may prudently be committed.

6. Treasury Management Indicators

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

6.1 Security

The Authority has adopted a voluntary measure of its exposure to credit risk by monitoring the time-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.

	Target
Portfolio average credit score	6.0

6.2 Liquidity

The Authority 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.

	Target
Total cash available within 3 months	£10m

6.3 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:

	2017/18	**2018/19**	**2019/20**
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.

6.4 **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	25%	0%
12 months and within 24 months	25%	0%
24 months and within 5 years	50%	0%
5 years and within 10 years	75%	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 within 50 years	100%	0%
50 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.

6.5 **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:

	2017/18	**2018/19**	**2019/20**
Limit on principal invested beyond year end	£20m	£10m	£10m

7. Other Items

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

7.2 **Policy on Use of Financial Derivatives**

In the absence of any explicit legal power to do so, the Authority will not use standalone financial derivatives (such as swaps, forwards, futures and options). Derivatives embedded into loans and investments, including pooled funds and forward starting transactions, may be used, and the risks that they present will be managed in line with the overall treasury risk management strategy.

7.3 **Investment Training**

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

Staff regularly attend training courses, seminars and conferences provided by Arlingclose and CIPFA. Relevant staff are also encouraged to study professional qualifications from CIPFA and other appropriate organisations.

7.4 **Investment Advisers**

The Authority has appointed Arlingclose Limited as treasury management advisers and receives specific advice on investment, debt and capital finance issues. The quality of this service is monitored by the Head of Finance and the Investment Manager on a regular basis.

7.5 **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 £195 million. 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.

8. Financial Implications

The budget for investment income in 2017/18 is £0.17 million, based on an average investment portfolio of £69.1 million at an interest rate of 0.25%. The budget for debt interest paid in 2017/18 is £6.0 million, based on an average debt portfolio of £106.6 million at an average interest rate of 5.62%. If actual levels of investments and borrowing, and actual interest rates differ from those forecast, performance against budget will be correspondingly different.

9. Other Options Considered

The WG Guidance and the CIPFA Code do not prescribe any particular treasury management strategy for local authorities to adopt. The Head of Finance, having consulted the Cabinet Member for Resources, 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 will 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 will 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 will 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 will be less certain
Reduce level of borrowing	Saving on debt interest is likely to exceed lost investment income High premia for early redemption of debt may outweigh any savings	Reduced investment balance leading to a lower impact in the event of a default; however long-term interest costs will be less certain

Appendix 1

Arlingclose Economic & Interest Rate Forecast January 2017

Underlying assumptions:

- The medium term outlook for the UK economy is dominated by the negotiations to leave the EU. The long-term position of the UK economy will be largely dependent on the agreements the government is able to secure with the EU and other countries.
- The global environment is also riddled with uncertainty, with repercussions for financial market volatility and long-term interest rates. Donald Trump’s victory in the US general election and Brexit are symptomatic of the popular disaffection with globalisation trends.
- Financial markets currently have priced in stronger global growth following significant global fiscal and monetary stimulus; the short term outlook for the global economy is indeed brighter than early 2016. US fiscal stimulus is also a possibility following Trump's victory. The potential rise in protectionism could, however, dampen growth prospects.
- Economic data have presented a more positive picture for the post-Referendum UK economy than predicted due to continued strong household spending. On the downside, the currency-led rise in CPI inflation (currently 1.6% a year/year) will continue, breaching the target in 2017.
- Over the coming years the rise in inflation will reduce household spending growth, while economic and political uncertainty will dampen investment intentions, prompting lower activity levels.
- The depreciation in sterling will, however, assist the economy to rebalance away from spending. The usual negative contribution from net trade to GDP growth is likely to diminish, largely due to weaker domestic demand. Export volumes will increase marginally.
- Given the pressure on household spending and business investment, the rise in inflation is unlikely to prompt monetary tightening by the Bank of England, with policymakers looking through import-led CPI spikes to the negative effects of Brexit on economic activity and, ultimately, inflation.
- Bank of England policymakers have, however, highlighted that excessive levels of inflation will not be tolerated for sustained periods, particularly if this feeds through to wage growth. Given this view and the current inflation outlook, further monetary loosening looks less likely.

Forecast:

- Globally, the outlook is uncertain and risks remain weighted to the downside. The UK domestic outlook is uncertain, but likely to be weaker in the short/medium term than previously expected.
- The Arlingclose central case is for Bank Rate to remain at 0.25%, but there is a 25% possibility of a drop to close to zero, with a very small chance of a reduction below zero.
- Gilt yields have risen sharply, but remain at low levels. The Arlingclose central case is for yields to decline when the government triggers Article 50.

	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19	Mar-20
Official Bank Rate													
Upside risk	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Arlingclose Central Case	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**	**0.25**
Downside risk	0.25	0.25	0.25	0.25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
3-month LIBID rate													
Upside risk	0.05	0.10	0.10	0.10	0.15	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Arlingclose Central Case	**0.25**	**0.25**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**	**0.30**
Downside risk	0.25	0.25	0.25	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
1-yr LIBID rate													
Upside risk	0.10	0.15	0.15	0.15	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Arlingclose Central Case	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**	**0.50**	**0.60**	**0.70**	**0.85**	**0.90**	**0.90**	**0.90**	**0.95**
Downside risk	0.15	0.15	0.15	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
5-yr gilt yield													
Upside risk	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Arlingclose Central Case	**0.60**	**0.50**	**0.45**	**0.45**	**0.50**	**0.50**	**0.50**	**0.55**	**0.60**	**0.65**	**0.70**	**0.75**	**0.80**
Downside risk	0.45	0.45	0.45	0.45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
10-yr gilt yield													
Upside risk	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Arlingclose Central Case	**1.10**	**1.05**	**0.95**	**0.95**	**0.95**	**0.95**	**0.95**	**1.00**	**1.05**	**1.10**	**1.15**	**1.20**	**1.25**
Downside risk	0.45	0.45	0.45	0.45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
20-yr gilt yield													
Upside risk	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Arlingclose Central Case	**1.65**	**1.55**	**1.50**	**1.50**	**1.50**	**1.50**	**1.50**	**1.55**	**1.60**	**1.65**	**1.70**	**1.75**	**1.80**
Downside risk	0.55	0.55	0.55	0.55	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
50-yr gilt yield													
Upside risk	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Arlingclose Central Case	**1.55**	**1.45**	**1.40**	**1.40**	**1.40**	**1.40**	**1.40**	**1.45**	**1.50**	**1.55**	**1.60**	**1.65**	**1.70**
Downside risk	0.55	0.55	0.55	0.55	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60