

## APPENDIX B: Economic background and interest rate risks

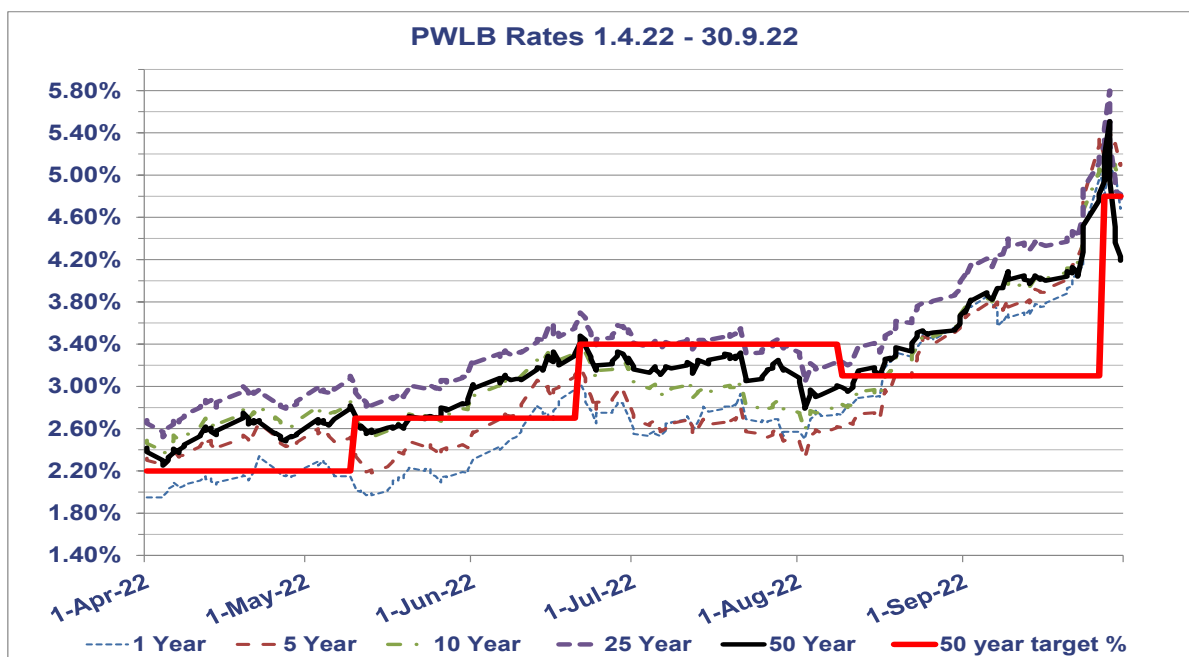
### Economic background

- 1 Against a backdrop of stubborn inflationary pressures, the easing of Covid restrictions in most developed economies, the Russian invasion of Ukraine, and a range of different UK Government policies, it is no surprise that UK interest rates have been volatile right across the curve, from Bank Rate through to 50-year gilt yields, for all of 2022.
- 2 Market commentators' misplaced optimism around inflation has been the root cause of the rout in the bond markets with, for example, UK, EZ and US 10-year yields all rising by over 200bps since the turn of the year. The table below provides a snapshot of the conundrum facing central banks: inflation is elevated but labour markets are extra-ordinarily tight, making it an issue of fine judgment as to how far monetary policy needs to tighten.

	UK	Eurozone	US
<b>Bank Rate</b>	3.0%	1.5%	3.75%-4.00%
<b>GDP</b>	-0.2%q/q Q3 (2.4%y/y)	+0.2%q/q Q3 (2.1%y/y)	2.6% Q3 Annualised
<b>Inflation</b>	11.1%y/y (Oct)	10.0%y/y (Nov)	7.7%y/y (Oct)
<b>Unemployment Rate</b>	3.6% (Sep)	6.6% (Sep)	3.7% (Aug)

- 3 Q2 of 2022 saw UK GDP revised upwards to +0.2% q/q, but this was quickly reversed in the third quarter, albeit some of the fall in GDP can be placed at the foot of the extra Bank Holiday in the wake of the Queen's passing. Nevertheless, CPI inflation has picked up to what should be a peak reading of 11.1% in October, although with further increases in the gas and electricity price caps pencilled in for April 2023, and the cap potentially rising from an average of £2,500 to £3,000 per household, there is still a possibility that inflation will spike higher again before dropping back slowly through 2023.
- 4 The UK unemployment rate fell to a 48-year low of 3.6%, and this despite a net migration increase of c500k. The fact is that with many economic participants registered as long-term sick, the UK labour force actually shrunk by c£500k in the year to June. Without an increase in the labour force participation rate, it is hard to see how the UK economy will be able to grow its way to prosperity, and with average wage increases running at 5.5% - 6% the MPC will be concerned that wage inflation will prove just as sticky as major supply-side shocks to food and energy that have endured since Russia's invasion of Ukraine on 22nd February 2022.

- 5 Throughout Q3 Bank Rate increased, finishing the quarter at 2.25% (an increase of 1%). Q4 has seen rates rise to 3% in November and the market expects Bank Rate to hit 4.5% by May 2023.
- 6 Following a Conservative Party leadership contest, Liz Truss became Prime Minister for a tumultuous seven weeks that ran through September and December. Put simply, the markets did not like the unfunded tax-cutting and heavy spending policies put forward by her Chancellor, Kwasi Kwarteng, and their reign lasted barely seven weeks before being replaced by Prime Minister Rishi Sunak and Chancellor Jeremy Hunt. Their Autumn Statement of 17th November gave rise to a net £55bn fiscal tightening, although much of the “heavy lifting” has been left for the next Parliament to deliver. However, the markets liked what they heard, and UK gilt yields have completely reversed the increases seen under the previous tenants of No10/11 Downing Street.
- 7 Globally, though, all the major economies are expected to struggle in the near term. The fall below 50 in the composite Purchasing Manager Indices for the UK, US, EZ and China all point to at least one if not more quarters of GDP contraction. In November, the MPC projected eight quarters of negative growth for the UK lasting throughout 2023 and 2024, but with Bank Rate set to peak at lower levels than previously priced in by the markets and the fiscal tightening deferred to some extent, it is not clear that things will be as bad as first anticipated by the Bank.
- 8 The £ has strengthened of late, recovering from a record low of \$1.035, on the Monday following the Truss government’s “fiscal event”, to \$1.20. Notwithstanding the £’s better run of late, 2023 is likely to see a housing correction of some magnitude as fixed-rate mortgages have moved above 5% and affordability has been squeezed despite proposed Stamp Duty cuts remaining in place.
- 9 In the table below, the rise in gilt yields, and therein PWLB rates, through the first half of 2022/23 is clear to see.



10 However, the peak in rates on 28th September as illustrated in the table covering April to September 2022 below, has been followed by the whole curve shifting ever lower. PWLB rates at the front end of the curve are generally over 1% lower now whilst the 50 years is over 1.75% lower.

	1 Year	5 Year	10 Year	25 Year	50 Year
<b>Low</b>	1.95%	2.18%	2.36%	2.52%	2.25%
<b>Date</b>	01/04/2022	13/05/2022	04/04/2022	04/04/2022	04/04/2022
<b>High</b>	5.11%	5.44%	5.35%	5.80%	5.51%
<b>Date</b>	28/09/2022	28/09/2022	28/09/2022	28/09/2022	28/09/2022
<b>Average</b>	2.81%	2.92%	3.13%	3.44%	3.17%
<b>Spread</b>	3.16%	3.26%	2.99%	3.28%	3.26%

11 After a shaky start to the year, the S&P 500 and FTSE 100 have climbed in recent weeks, albeit the former is still 17% down and the FTSE 2% up. The German DAX is 9% down for the year.

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12 At the start of November, the Fed decided to push up US rates by 0.75% to a range of 3.75% - 4%, whilst the MPC followed a day later by raising Bank Rate from 2.25% to 3%, in line with market expectations. EZ rates have also increased to 1.5% with further tightening in the pipeline.

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

- 14 Regarding UK market expectations, although they now expect Bank Rate to peak within a lower range of 4.5% - 4.75%, caution is advised as the Bank of England Quarterly Monetary Policy Reports have carried a dovish message over the course of the last year, only for the Bank to have to play catch-up as the inflationary data has proven stronger than expected.
  
- 15 In addition, the Bank's central message that GDP will fall for eight quarters starting with Q3 2022 may prove to be a little pessimistic. Will the £160bn excess savings accumulated by households through the Covid lockdowns provide a spending buffer for the economy - at least to a degree? Ultimately, however, it will not only be inflation data but also employment data that will mostly impact the decision-making process, although any softening in the interest rate outlook in the US may also have an effect (just as, conversely, greater tightening may also).