

# Risk management framework Monthly monitoring report 31 August 2020

Clwyd Pension Fund September 2020

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# **Overriding Objectives**

Stable and affordable contribution rate

Versus

Achieve returns in excess of CPI required under funding arrangements





## Objectives are two-fold but conflicting

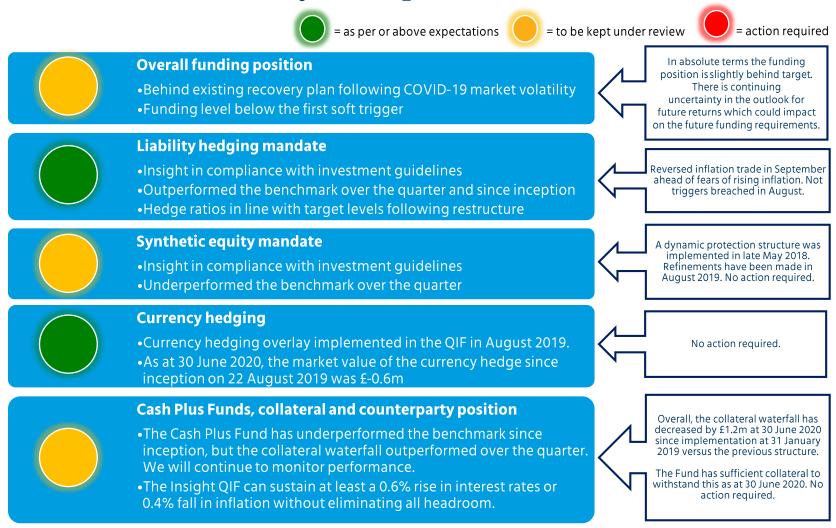
• Risk needs to be taken in order to achieve returns, but risk does not guarantee returns

## Need to ensure a reasonable balance between the two objectives

• Do you need to take the same level of risk when 70% funded (say) as when 110% funded?

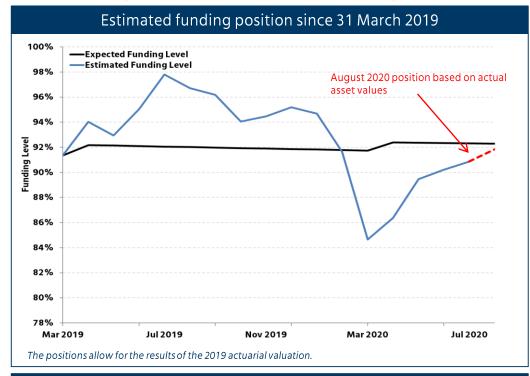


## **Executive summary – to quarter end 30 June 2020**





# **Funding level monitoring to 31 August 2020**



### Funding Level Triggers

It was concluded at the FRMG on 20 June 2017 that the funding level is not currently sufficiently high to warrant de-risking in a traditional sense via a change in long term strategy.

It was agreed that a "soft" trigger will be put in place to prompt FRMG discussions regarding potential actions as the funding level approaches 100% on the current funding basis. This funding level will be monitored approximately by Mercer on a daily basis.

#### Comments

The **black line** shows a projection of the *expected* funding level from the 31 March 2019 valuation based on the assumptions (and contributions) outlined as part of the 2019 actuarial valuation. The *expected* funding level at 31 August 2020 was just above 92%.

The **blue line** shows an estimate of the progression of the funding level from 31 March 2019 to 31 July 2020. The **red dashed line** shows the progression of the estimated funding level over August 2020. At 31 August 2020, we estimate the funding level and deficit to be:

92% (£178m\*)

This shows that the Fund's position was the same as the expected funding level at 31 August 2020 on the current funding basis.

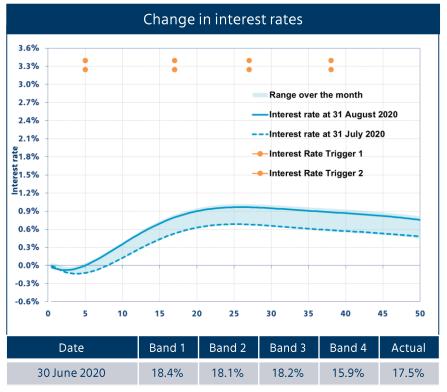
Uncertainty continues to be prevalent in the investment environment due to the potential economic impact of the COVID-19 pandemic. This could mean that the likelihood of achieving the assumed real returns going forward has fallen. To illustrate the impact, a reduction of 0.25% p.a. in the assumed future investment return/real discount rate would reduce the funding level by c.4% to c.88% with a corresponding increase in deficit of £95m to £273m.

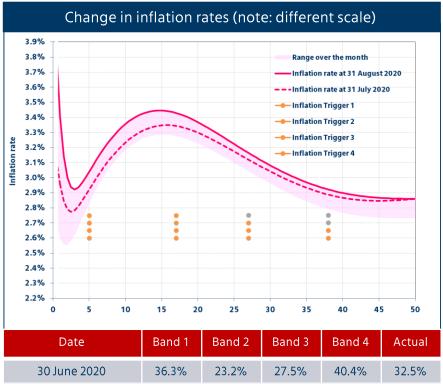
This will be kept under review in light of changing market conditions and the economic outlook.

<sup>\*</sup>Asset values based on assets provided by Mercer investment consultants as at 31 August 2020.



## **Update on market conditions and triggers**





#### Comments

Over August, interest rates rose across the curve.

Based on market conditions as at 31 August 2020, yields would need to rise by c.2.3% p.a. before the Fund would hit any of the revised interest rate triggers implemented by Insight in Q3 2017.

#### Comments

Over August, inflation expectations rose across the curve, with larger increases at the shorter end. Grey triggers indicate those previously breached.

Trading took place over August and September to move to the new benchmark, which brings the portfolio back to a c.20% interest rate hedge ratio and c.40% inflation hedge ratio overall. This will be reflected in future reports.

<sup>\*</sup>Hedge ratios calculated with reference to 2016 valuation cash flow analysis and relying on a discount rate of gilts + 2.0% p.a..

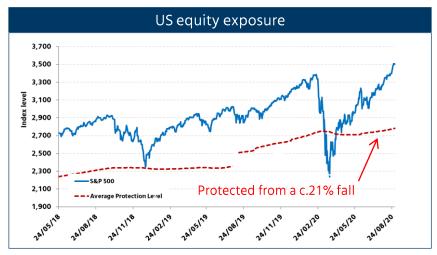


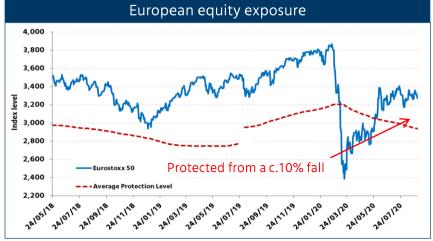
## **Update on equity protection mandate**



#### Comments

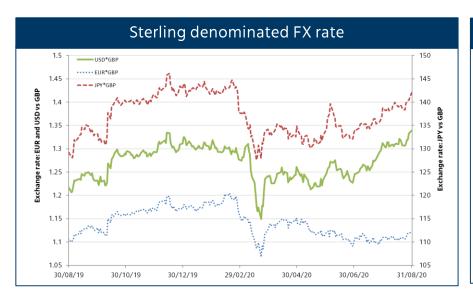
- The Fund implemented a dynamic equity protection strategy on 24
  May 2018 with exposure of £362m. The equity protection strategy
  was revised at the beginning of August 2019, increasing the
  protection level by 5%. This increase is to ensure that the Fund is
  better protected in the event of a downside as the protection will
  kick in sooner. This has been funded by selling protection at
  extreme falls.
- Positive equity returns meant that the strategy exhibited a negative hedging return over all periods shown.
- As at 31 August 2020, there was a gain of c. £32.6m on the strategy since inception, relative to a c. £77.3m gain had the Fund invested in passive equities (with no frictional costs).
- From inception on 8 March 2019 to 31 August 2020 the currency hedge of the market value of the synthetic equity mandate has contributed a c. £5.0m loss relative to an unhedged position given the weakness in Sterling.







## Developed market physical equity currency hedge



#### Comments

- A currency hedge was placed on the physical, developed equity portfolio to lock-in gains from Sterling weakness and reduce currency risk.
- The hedge has been implemented via a currency overlay, using 3 month forward contracts, within the Insight QIAIF. The hedge is updated quarterly to allow for changes in the underlying equity exposure.
- As at 31 August 2020, the market value of the currency hedge since inception on 22 August 2019 was £7.5m.
- The market value has risen materially over the month as Sterling strengthened against the other major currencies, in particular the US dollar and Yen.

	Currency basket weight	FX performance (since inception*)	FX change in performance since 31 July 2020
EUR	12%	£0.4m	£0.2m
JPY	9%	£1.4m	£0.2m
USD	79%	£5.7m	£2.0m
	100%	£7.5m	£2.4m

<sup>\*</sup>Insight transacted on the currency hedge on 22 August 2019.

Figures may not sum due to rounding.



## **Glossary**

- Actuarial Valuation The formal valuation assessment of the Fund detailing the solvency position and determining the contribution rates payable by the employers to fund the cost of benefits and make good any existing shortfalls as set out in the separate Funding Strategy Statement.
- Collateral Liquid assets held by the Fund as security which may be used to offset the potential loss to a counterparty.
- Counterparty Commonly an investment bank on the opposite side of a financial transaction (e.g. swaps).
- Deficit The extent to which the value of the Fund's liabilities exceeds the value of the Fund's assets.
- Dynamic protection strategy Strategy to provide downside protection from falls in equity markets where the protection levels vary depending on evolution of the market.
- Equity option A financial contract in which the Fund can define the return it receives for movements in equity values.
- Flightpath A framework that defines a de-risking process whereby exposure to growth assets is reduced as and when it is affordable to do so i.e. when "triggers" are hit, whilst still expecting to achieve the overall funding target.
- Funding level The difference between the value of the Fund's assets and the value of the Fund's liabilities expressed as a percentage.
- Funding & Risk Management Group (FRMG) A subgroup of Pension Fund officers and advisers set up to discuss and implement any changes to the Risk Management framework as delegated by the Committee. It is made up of the Clwyd Pension Fund Manager, Pension Finance Manager, Fund Actuary, Strategic Risk Adviser and Investment Advisor.
- Hedging A strategy aiming to invest in low risk assets when asset yields are deemed attractive. Achieved by investing in government backed assets (or equivalent) with similar characteristics to the Fund future CPI linked benefit payments.
- Hedge ratio The level of hedging in place in the range from 0% to 100%.
- Insight QIAIF (Insight Qualifying Investor Alternative Investment Fund) An investment fund specifically designed for the Fund to allow Insight to manage the liability hedging and synthetic equity assets.



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