

PERFORMANCE

PMS NOVIA PERFORMANCE TABLE to 30th June 2020

| Portfolio | Cumulative Performance | | | | | | Discrete Annual Performance | | | | | | | | | | | | | Rolling 5 year Data | | | | | | |
|---------------------|------------------------|--------|---------|---------|----------|----------------------------|-----------------------------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|---------------------|--------------|------------|------|--------|------------------|--|
| | YTD | 1 Year | 3 Years | 5 Years | 10 Years | Since Launch 01/11/2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | Alpha | Beta | Sharpe Ratio | Info Ratio | Vol | Max DD | Downside Capture | |
| Portfolio 0 | -1.25 | 1.02 | 5.62 | 15.65 | 47.55 | 74.27 | 14.31 | 7.20 | 1.33 | 7.54 | 6.60 | 3.07 | 2.49 | 5.01 | 5.22 | -2.45 | 7.28 | -1.25 | 0.43 | 1.04 | 0.24 | 0.44 | 3.90 | -6.92 | 98.69 | |
| IA Benchmark | -0.66 | 1.11 | 4.58 | 12.71 | 35.26 | 56.31 | 9.42 | 6.25 | 1.15 | 5.03 | 3.46 | 3.39 | 0.31 | 5.95 | 3.40 | -2.23 | 6.23 | -0.66 | 0.00 | 1.00 | 0.12 | 0.00 | 3.58 | -6.00 | 100.00 | |
| Portfolio 1 | -1.43 | 1.18 | 6.83 | 19.65 | 60.06 | 92.23 | 14.93 | 8.25 | 0.75 | 8.40 | 9.04 | 3.25 | 3.66 | 6.08 | 6.58 | -2.78 | 8.55 | -1.43 | 0.80 | 0.86 | 0.36 | 0.20 | 4.64 | -8.03 | 82.94 | |
| IA Benchmark | -1.11 | 1.27 | 5.91 | 17.65 | 48.20 | 77.00 | 11.71 | 7.77 | 1.38 | 6.22 | 4.20 | 4.84 | 0.38 | 8.47 | 4.84 | -3.35 | 8.70 | -1.11 | 0.00 | 1.00 | 0.25 | 0.00 | 5.14 | -8.59 | 100.00 | |
| Portfolio 2 | -1.72 | 1.51 | 9.83 | 26.71 | 77.36 | 118.46 | 13.97 | 9.85 | -0.88 | 9.48 | 10.69 | 5.10 | 4.49 | 7.72 | 9.56 | -3.51 | 11.25 | -1.72 | 1.77 | 0.83 | 0.45 | 0.68 | 6.29 | -10.53 | 78.87 | |
| IA Benchmark | -4.07 | -0.63 | 4.74 | 19.35 | 60.44 | 92.74 | 15.90 | 8.56 | -1.89 | 8.35 | 8.85 | 4.85 | 1.21 | 10.32 | 7.16 | -5.10 | 11.84 | -4.07 | 0.00 | 1.00 | 0.22 | 0.00 | 7.42 | -12.89 | 100.00 | |
| Portfolio 3 | -2.14 | 1.46 | 11.05 | 31.57 | 95.59 | 155.40 | 21.41 | 12.90 | -2.83 | 11.54 | 12.18 | 5.44 | 4.99 | 9.62 | 11.97 | -4.51 | 12.95 | -2.14 | 1.76 | 0.87 | 0.49 | 0.71 | 7.45 | -12.38 | 82.11 | |
| IA Benchmark | -4.17 | -0.36 | 6.64 | 23.84 | 74.05 | 113.54 | 18.00 | 10.43 | -3.72 | 9.16 | 11.64 | 4.86 | 1.94 | 11.60 | 8.56 | -5.60 | 13.80 | -4.17 | 0.00 | 1.00 | 0.28 | 0.00 | 8.44 | -14.15 | 100.00 | |
| Portfolio 4 | -2.31 | 1.46 | 11.63 | 34.24 | 104.58 | 173.15 | 23.70 | 14.41 | -4.41 | 12.30 | 14.29 | 5.51 | 5.93 | 9.88 | 13.51 | -5.20 | 14.00 | -2.31 | 1.65 | 0.84 | 0.50 | 0.40 | 8.16 | -13.37 | 80.22 | |
| IA Benchmark | -4.29 | -0.11 | 8.53 | 28.44 | 88.61 | 136.20 | 20.12 | 12.29 | -5.51 | 9.97 | 14.47 | 4.87 | 2.66 | 12.87 | 9.98 | -6.11 | 15.78 | -4.29 | 0.00 | 1.00 | 0.33 | 0.00 | 9.52 | -15.41 | 100.00 | |
| Portfolio 5 | -2.55 | 1.48 | 12.37 | 37.85 | 117.28 | 200.40 | 27.20 | 16.24 | -6.02 | 13.73 | 15.50 | 5.75 | 6.38 | 11.39 | 15.15 | -5.68 | 14.92 | -2.55 | 1.83 | 0.90 | 0.52 | 0.69 | 8.91 | -14.46 | 85.04 | |
| IA Benchmark | -4.17 | 0.10 | 8.50 | 28.96 | 88.69 | 139.09 | 22.07 | 13.44 | -7.13 | 10.05 | 14.51 | 4.88 | 2.33 | 13.34 | 10.59 | -6.41 | 15.72 | -4.17 | 0.00 | 1.00 | 0.33 | 0.00 | 9.70 | -15.47 | 100.00 | |
| Portfolio 6 | -2.70 | 1.46 | 12.74 | 40.25 | 125.23 | 221.84 | 31.08 | 17.87 | -7.27 | 14.41 | 16.01 | 6.01 | 7.31 | 12.17 | 15.49 | -5.96 | 15.73 | -2.70 | 2.01 | 0.92 | 0.54 | 0.83 | 9.30 | -15.03 | 86.56 | |
| IA Benchmark | -4.04 | 0.31 | 8.48 | 29.48 | 88.71 | 141.89 | 24.03 | 14.57 | -8.73 | 10.13 | 14.54 | 4.89 | 1.99 | 13.82 | 11.21 | -6.72 | 15.66 | -4.04 | 0.00 | 1.00 | 0.33 | 0.00 | 9.90 | -15.53 | 100.00 | |

Please find the details for the associated benchmarks at the back of this document.

Past performance prior to 01.11.2014 is based on performance of the PMS using the Old Mutual Wealth platform.

Source of Data: **FE fundinfo** 



SUMMARY

On a relative performance basis, June was one of our best ever for the higher risk portfolios with Portfolios 5 and 6 outperforming by circa 1%, Portfolio 4 by 0.9% and Portfolio 3 by 0.8%. Portfolio 2 outperformed by a still creditable 0.4%. Portfolios 0 and 1 were the only ones to underperform, by 0.2%. Our relative overweight to China and wider Asia Pac, underweight US and Japan and gold holdings were the principal reasons for the outperformance.

On a year to date basis, this means that our Portfolio 4 has a negative of just -2.31% versus a benchmark loss of -4.29%. What we continue to witness are the benefits of our investment approach, namely multiple funds in each sector and complementary investment styles by managers with strong long-term performance figures. We obviously monitor our peers, and where some have struggled is a reliance on a small number of funds and/or limited geographical diversification. It is certainly true that diversification won't lead to enhanced results in all market conditions but it can make for a smoother client journey, it can be a more tortoise than hare like approach.

This grinding out of results has now given us our best longer-term figures since we launched back in 2008, and this is more pronounced when taken on a risk-adjusted basis

NOVIA Start of data defensive characteristics – 31/10/2008-30/06/2020

Start of Data Defensive Characteristics

| MPS Range | Alpha | | Beta | | Info Ratio | | Max Draw | | Down Cap | | Volatility | | Sharpe | |
|-------------|-------|----|------|----|------------|----|----------|----|----------|----|------------|----|--------|----|
| | Ret | % | Ret | % | Ret | % | Ret | % | Ret | % | Ret | % | Ret | % |
| Portfolio 1 | 1.29 | 10 | 0.88 | 10 | 0.41 | 20 | -8.02 | 34 | 86.59 | 10 | 4.69 | 10 | 0.80 | 10 |
| Portfolio 2 | 1.86 | 7 | 0.86 | 13 | 0.67 | 2 | -10.53 | 14 | 83.44 | 11 | 5.97 | 5 | 0.82 | 2 |
| Portfolio 4 | 2.16 | 10 | 0.87 | 14 | 0.65 | 7 | -13.36 | 22 | 85.08 | 6 | 8.35 | 6 | 0.84 | 6 |
| Portfolio 6 | 2.68 | 14 | 0.98 | 33 | 1.26 | 1 | -15.01 | 17 | 92.25 | 20 | 10.27 | 22 | 0.83 | 5 |



Ratio Definitions

Alpha - Alpha is a measure of a fund's performance by comparison to its benchmark. It represents the return of the fund when the benchmark is assumed to have a return of zero and indicates the extra value a manager's activities have contributed: if the Alpha is 5, the fund has outperformed its benchmark by 5%. A further aspect of Alpha emerges when it is taken in conjunction with Beta. If a strong R-Squared correlation exists, the Beta will show how volatile the fund is compared to its benchmark and indicate how much extra risk the manager has taken on in order to get that high-Alpha performance. So, Alpha indicates better/worse performance compared with the index, whilst Beta shows higher/lower risk.

Beta - Beta is the estimate of a fund's volatility by comparison to its benchmark, i.e. how sensitive the fund is to movements in the section of the market that comprises the benchmark. A fund with a Beta close to 1 means that the fund will generally move in line with the benchmark. Higher than 1 and the fund is more volatile than the benchmark, so that with a Beta of 1.5, say, the fund will be expected to rise or fall 1.5 points for every 1 point of benchmark movement. It's important to stress that Beta is just an estimate: however, the stronger the R-Squared correlation between fund and benchmark, the more reliable this estimate becomes.

Sharpe Ratio - This is a commonly used measure that calculates the level of a fund's return over and above the return of a notional risk-free investment, such as cash or government bonds. The difference in returns is then divided by the fund's standard deviation (volatility). The resulting ratio is an indication of the amount of excess return generated per unit of risk. In general, it is considered that the higher the Sharpe ratio, the better.

Information Ratio - So called because it assesses the degree to which a manager uses skill and knowledge to enhance returns, this is a versatile and useful risk-adjusted measure of actively managed fund performance. It is calculated by deducting the returns of the fund's benchmark from the fund's overall returns, then dividing the result by its Tracking Error (which is a measure of the volatility of those excess returns). In this way, we arrive at the value, per unit of extra risk assumed, that the manager's decisions have added to what the market would have delivered anyway. The higher the Information Ratio the better. As ever, the R-squared between the fund and its benchmark must be strong if any discrete reliance is to be placed on the Information Ratio.

Volatility - Standard deviation is a statistical measurement which, when applied to an investment fund, expresses its volatility, or risk. It shows how widely a range of returns varied from the fund's average return over a particular period. Low volatility reduces the risk of buying into an investment in the upper range of its deviation cycle, then seeing its value head towards the lower extreme. For example, if a fund had an average return of 5%, and its volatility was 15, this would mean that the range of its returns over the period had swung between +20% and -10%. Another fund with the same average return and 5% volatility would return between 10% and nothing, but there would at least be no loss. While volatility is specific to a fund's particular mix of investments, and comparison to other portfolios is difficult, clearly, for those that offer similar returns, the lower-volatility funds are preferable. There is no point in taking on higher risk than necessary in order to achieve the same reward.

Maximum Drawdown - Represents the worst possible return over a period, e.g. buying at the maximum price over the period and selling at the worst.

The Downside Capture Ratio - shows the fund's performance in a down market relative to the benchmark. A Downside Capture Ratio that is less than 100% demonstrates that when the market went down the fund caught only a fraction of the losses, and the lower the down capture the better. E.g. If a fund has a Downside Capture Ratio of 85% this tells us that the fund captured only 85% of the benchmark's negative performance during a down market. The ratio is calculated by taking the funds downside capture returns and dividing it by the benchmark's downside capture returns over the same time period.



BENCHMARKS

| Portfolio | Benchmark |
|-----------|---|
| 0 | 70% IA Mixed Investment/0%-35% Shares/ 30% Composite IA Money Market |
| 1 | IA Mixed Investment 0%-35% Shares |
| 2 | IA Mixed Investment 20%-60% Shares |
| 3 | 50% IA Mixed Investment 20%-60% Shares/ 50% IA Mixed Investment 40%-85% Shares |
| 4 | IA Mixed Investment 40%-85% Shares |
| 5 | 50% IA Mixed Investment 40%-85% Shares/ 50% IA Flexible Investment |
| 6 | IA Flexible Investment |

NB. MPU Figures are calculated on a Total Return basis - Total return shows the total return of the instrument with all income reinvested, assuming income is taxed at basic rates of income tax.



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