

12 January 2023

Fixed Income Advisory and Research Monthly Review: December 2022

Overview

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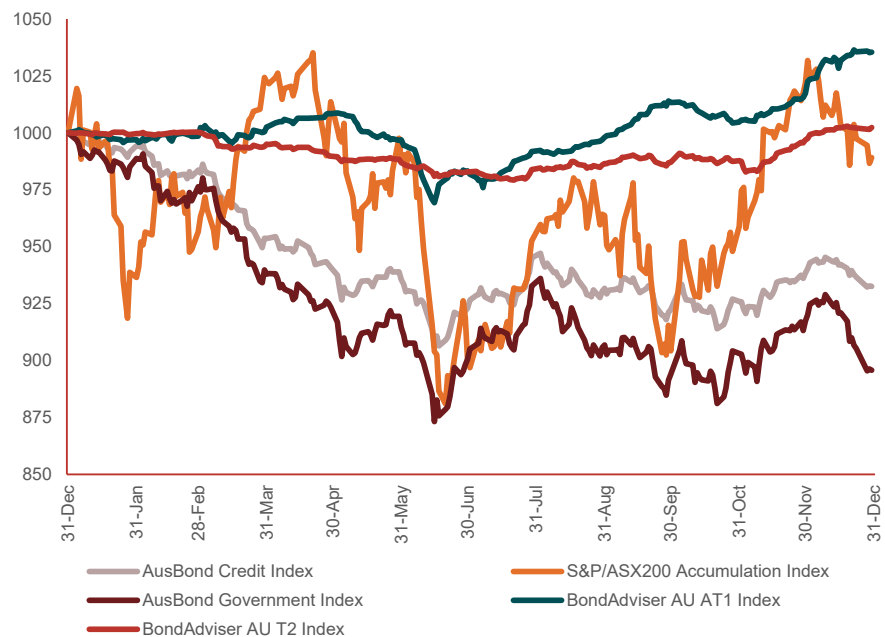
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- December was once again in 2022 a weak month for equity and fixed rate bonds alike, while floating rate counterparts finished the year slightly stronger.
- In the *Strategy* section, we provide a 2022 Markets Recap recounting the integral themes that impacted investors this year, with particular attention paid to the changing dynamics in the AT1 and Tier 2 markets.
- In the *Banks and Financials* section we cover **Avanti's** concessional Notes 3 tap, **ANZ's** NOHC restructure, the **Partners Group** sale and consequent ratings upgrade along with **Bendigo and Adelaide Bank's** trading update.
- In the *Corporates* section, we examine the first of a potential onslaught in cap rate rises for **A-REITs**, **Woolworths'** subsidiary revolving doors and provide an update on **Telstra Group's** credit rating.

Figure 1. Normalised YTD Domestic Performance



Source: BondAdviser, Bloomberg. As at 31 December 2022.

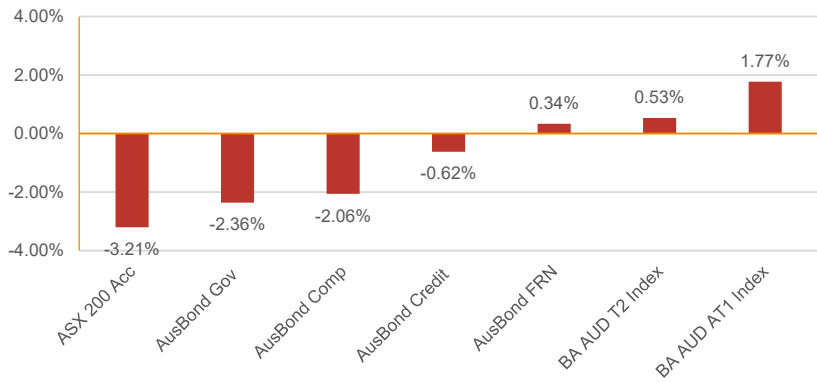
Performance

Security Performance

In a generally weak month for financial markets, the AT1 universe continued its recent trend of defying gravity, up 1.77% for December 2022. Contrasting this strong performance, the **AusBond Composite index fell 2.06%** while the worst performer was the ASX 200 (-3.21%).

Looking back on the year that was, a similar narrative is at play whereby investment in the Australian AT1 universe would have garnered the best return of the five comparable indices (+3.54%). The Australian Tier 2 Index achieved a 0.23% return for 2022 while the ASX 200 Accumulation Index finished the year 1.08% lower. The floating rate exposure in the AT1 and Tier 2 indices is what held them in reasonable stead while inflation and rate rises hurt duration-exposed fixed income. The AusBond Credit Index and the AusBond Government Index fell 7.74% and 10.43%, respectively for the year.

Figure 2. Monthly Performance - Key Indices

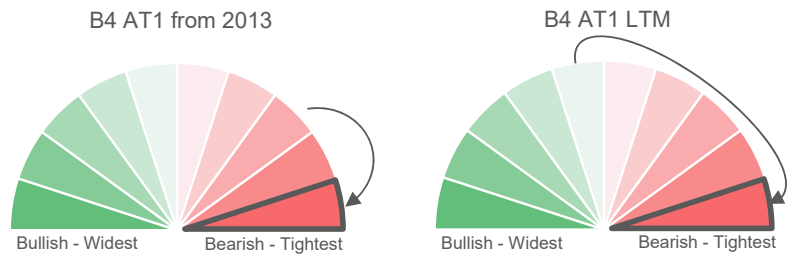


Source: BondAdviser, Bloomberg. As at 31 December 2022.

Market Sentiment

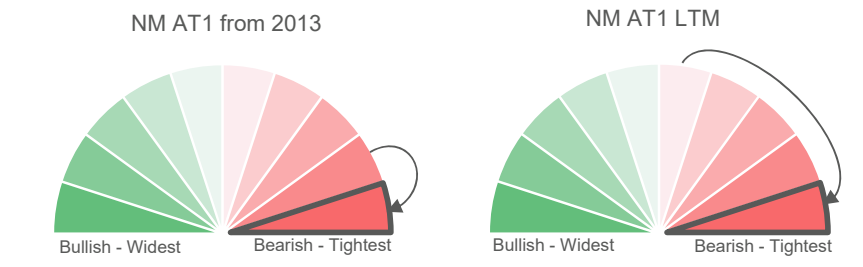
Last month, we spoke to a minor reversion in AT1 spreads following a widening in October. At 30 November 2022, AT1 trading margins were tight, but not near the lowest values witnessed. This can no longer be said. December was a mammoth month for the entire space as **Big Four and Non-Major AT1s have all finished the year in the tightest decile both against the last 10 years and across 2022**. These moves have been substantial, as evidenced by the arrows in Figures 3 and 4 indicating the one-month decile change.

Figure 3. Big Four AT1 Sentiment Indicators (Credit Spread)



Source: BondAdviser, Bloomberg. As at 31 December 2022. Data from 1 January 2013.

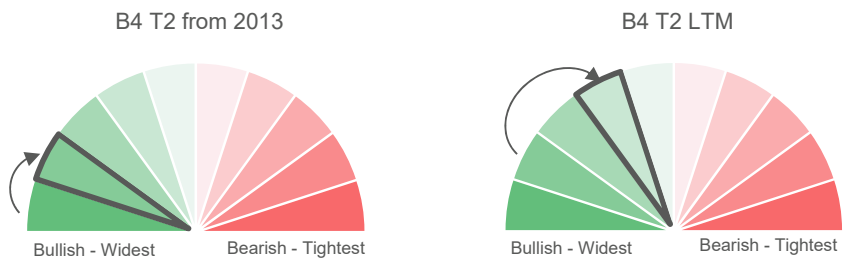
Figure 4. Non-Major Bank AT1 Sentiment Indicators (Credit Spread)



Source: BondAdviser, Bloomberg. As at 31 December 2022. Data from 1 January 2013.

While the moves in the Additional Tier 1 universe have been extreme and somewhat unfounded, the tightening in the Tier 2 space has been expected by the Research Team since [June 2022](#). Trading margins in Big Four Tier 2 securities are on the cheaper side of fair value against the last 12 months, however 2022 has seen extraordinarily wide spreads. As such, the universe still holds great value in the second widest decile versus the last 10 years of data.

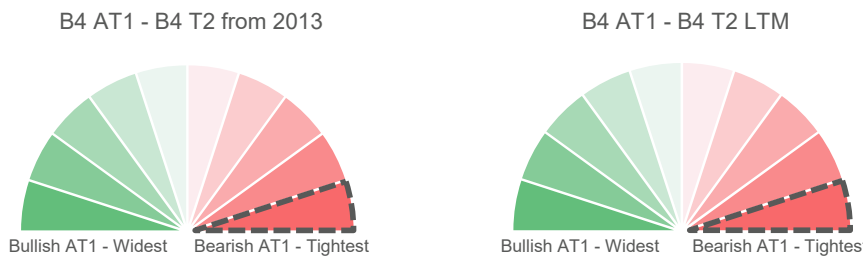
Figure 5. Big Four Tier 2 Sentiment Indicators (Credit Spread)



Source: BondAdviser, Bloomberg. As at 31 December 2022. Data from 1 January 2013.

Our B4 AT1 less B4 T2 (the spread between the two index trading margins) sentiment indicator once again remained in the first decile going back to 2013. This relationship has held since July 2022. With the B4 T2 index having tightened over the past month, the trend is beginning to buck. That said, AT1 levels relative to T2 levels are still grossly unattractive, even on a short-term perspective, hence the sentiment indicator remains at the most Bearish levels for AT1 relative to T2 on an LTM and since 2013 basis. Simply put, Big Four Bank Tier 2 margins are great value relative to their AT1 counterparts.

Figure 6. Big Four AT1 Less Big Four Tier 2 Sentiment Indicators (Credit Spread)



Source: BondAdviser, Bloomberg. As at 31 December 2022. Data from 1 January 2013.

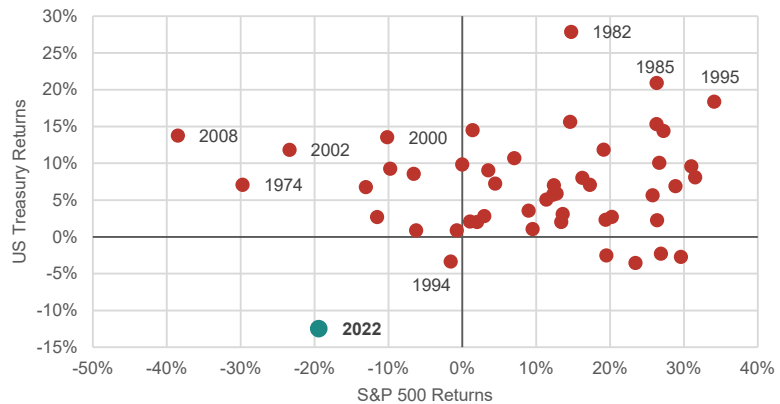
Strategy

Unprecedented, Transitory, Unpredictable - 2022 Markets Recap

Difficult, unusual, interesting, 2022. In our Markets Recap below we touch on the year's results and more importantly what drove us there, with particular focus on the AT1 and Tier 2 markets.

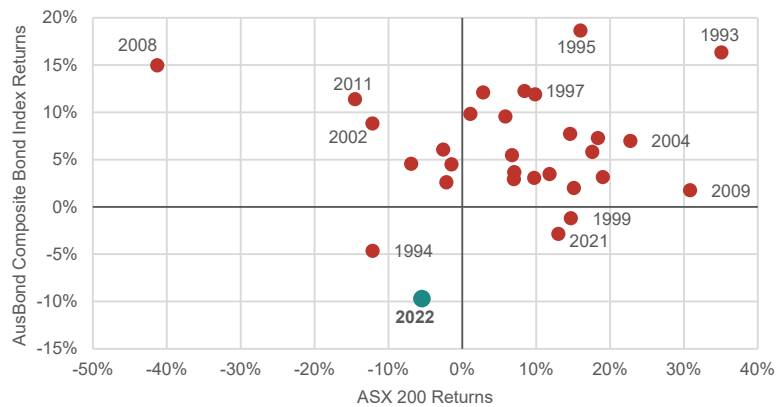
For many investors, 2022 equated to *annus horribilis*. For the first time since 1994, both global bonds (fixed rate) and equities tumbled as rising interest rates and skyrocketing inflation destroyed the theoretical negative correlation between the two asset classes. From the textbook, the relationship has been that if one does poorly, the other should do well, holding the typical 60:40 portfolio in good stead.

Figure 7. US Equity vs Government Bond Annual Returns



Source: BondAdviser, Bloomberg. As at 31 December 2022.

Figure 8. Australian Equity vs Composite Bond Annual Returns



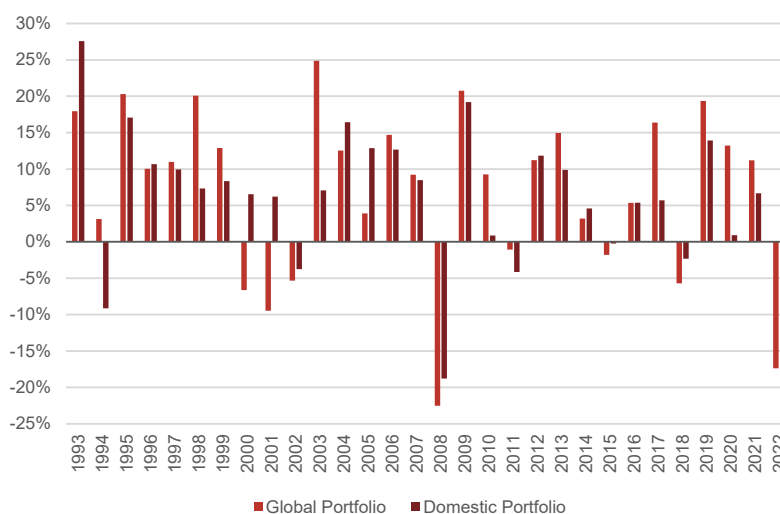
Source: BondAdviser, Bloomberg. As at 31 December 2022.

Over the past 30 years, there has been one instance where the global 60:40 portfolio has posted worse returns than in the year just gone; 2008. Assuming a 60% weighting to the MSCI World Index and a 40% weighting to the Bloomberg Aggregate Bond Index, a loss of 17.38% was achieved over 2022, exceeded by the -22.51% endured in 2008. That said, in 2008, the Global Agg Bond Index rose 4.8 percent, partially offsetting the 38.5% equity drawdown over the calendar year. As already discussed, there was no relenting force in 2022, with the S&P 500 and global bond market losing 19.44% and 16.25% respectively.

Domestically, the “Lucky Country” somewhat rang true as Australia’s heavily overweight raw material exposure provided downside protection, benefitting greatly from the de-globalisation and rising commodity prices consequential of the Russian invasion of Ukraine. The ASX 200 shed 5.45% over the calendar year, far outperforming the majority of global share markets.

From a credit perspective, due to the significantly smaller size of the corporate bond market in Australia, the AAA-rated government portion of our composite index drags up the AusBond Composite Index, resulting in a superior credit quality to the Global Aggregate Index with a weighted average credit rating of AA+ versus A+. Additionally, the weighted average life of bonds outstanding is ~2.5 years longer for the Global Index than BACMO’s 6-year average, resulting in a higher exposure to duration, which severely underperformed in 2022. Generally in fixed income, higher credit quality and shorter-dated bonds see less repricing in a market-wide rout, as is evidenced by BACMO’s -9.71% return for 2022 versus the -16.25% for the Global Unhedged Index.

Figure 9. Domestic and Global 60:40 Portfolio



Source: BondAdviser, Bloomberg. As at 31 December 2022. *Returns for the Global Portfolio are calculated in USD and are unhedged.

One of the most interesting dynamics we enjoyed covering over the year – which from our perspective remains unresolved in 2023 – is the relationship between Tier 2 (T2) and Additional Tier 1 (AT1) spreads. By way of simplification, investing in AT1 securities is riskier than Tier 2 notes as they are (1) more subordinated, and (2) contain a bail-in capital trigger. What makes this interesting is that in the fixed income world, all the available rates of return are benchmarked, typically with a riskier bond being benchmarked against a less risky bond. Dating back to 2017, the average multiple for which AT1 securities with 5 years to expected call traded above Tier 2 notes with the same tenor was 1.77x. As at 4 January 2023, this multiple is 1.05x, near its all-time low of 1.01x on 22 December 2022.

There is another facet to this relationship that makes it even more interesting; AT1 securities are available to retail investors with the majority tradable on the ASX. Tier 2 securities are exclusively tradable by wholesale and institutional investors. Generally speaking, retail investors are disadvantaged for many different reasons and as such may not make as informed and/or potentially delayed decisions. This creates irregularities in this relationship especially when taking into account that a large portion of retail investors are buy and hold investors, while institutions will regularly buy and sell throughout the trading day to act on pricing discrepancies.

On 1 November 2022, APRA's incoming Chair released a public letter to financial institutions with respect to early calls on capital instruments. While there was no explicit change to any regulation, the letter emphasises that approval of calls will not be granted for the sole reason of refinancing to maintain a reputation of calling when first able to. In our opinion, the economic implication of this letter was that there is minimal impact on the AT1 market, but there may in certain circumstances (aggressively low reset coupons at small banks) be negative consequences for Tier 2 noteholders. This resulted in further tightening between AT1 and T2 margins, however this time, it was justifiable.

All eyes are fixated on the first Major Bank Tier 2 security up for call following this letter being the Westpac Wholesale Subordinated Notes 5 (ISIN: AU3FN0040754) on 16 February 2023. The coupon rate on these Notes is 3mBBSW +140bps while the current fair value for Big Four Tier 2s at the 5-year marker is +220bps. The structure of these Westpac Notes would allow for non-call until the maturity date of 16 February 2028 with no step-up in margin for non-call. From a purely Treasury perspective, this is what is economically logical, and what APRA threatens to block on such economic grounds: why stop paying +140bps so that you can pay +220bps instead? Bated breath is the investor response, and we expect APRA's approval or denial to impact Tier 2 markets and although indirect, to subsequently move AT1 markets.

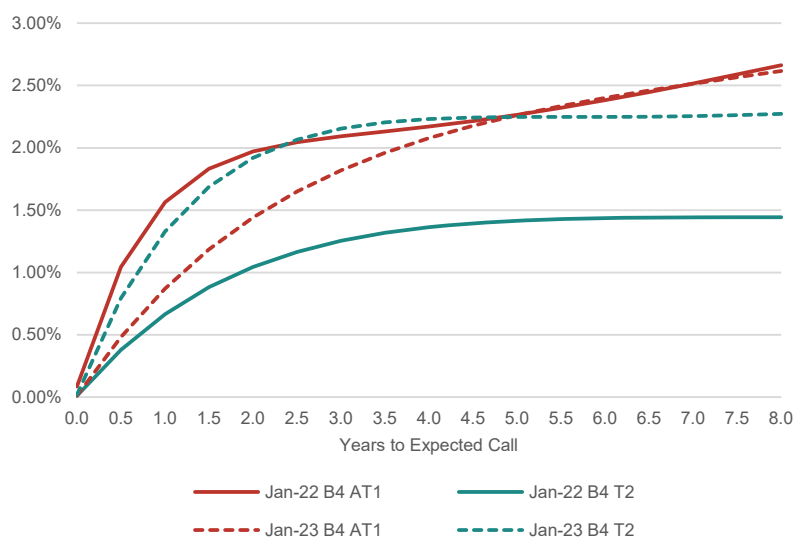
Figure 10. B4 A\$ 5-Year Constant Tenor – Trading Margin



Source: BondAdviser, Bloomberg. As at 4 January 2023.

Ultimately, this year has seen 5-year Tier 2 spreads widen from 145bps in January 2022 to as much as 260bps in November 2022. While it has largely been one way traffic as T2 spreads drifted wider all year, the AT1 market on the other hand experienced wild swings. This was most evident when the global macro fears that shook equity markets from May 2022 until the FOMC raised rates by 75bps on 15 June 2022 also caused significant selling in the AT1 market. This was the peak in the AT1 market's trading margin (349bps at the 5-year marker). Less drastic moves were seen in the largely wholesale sub-asset classes of Tier 2 and Senior Unsecured, which we viewed as a consequence of AT1s being ASX-listed and therefore bundled in with all the other securities being panic sold on the exchange.

Figure 11. B4 A\$ 5-Year Constant Tenor – Trading Margin

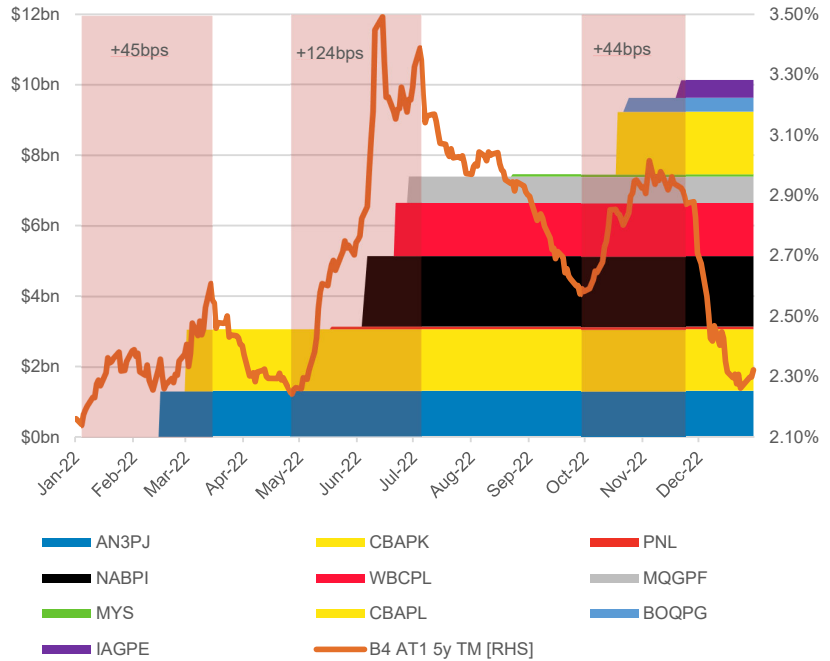


Source: BondAdviser, Bloomberg. As at 4 January 2023.

Treasury departments were all especially attuned to the market's movements in 2022 as fears of participants running for cover drove issuance trends. During times of continued selling, issuers rushed to price deals before any complete market meltdown could see demand dry up. While a full market crash never quite surmounted, the **AUD AT1 market saw the largest amount raised across a year since the implementation of Basel III** at the start of 2013. Whilst the majority of issuance was to refinance maturing securities, much of this was brought forward for the purpose of securing funding in uncertain times. Of the \$10.1 billion in AUD AT1 capital raised over the year, only \$65 million, the smallest deal, was launched at a time when the market was tightening. Every other trade was brought to market during a time of spread widening. While it may seem counterintuitive that issuers are rushing for the entry in a time when all other market participants are fleeing, the reason here is securing funding – something we view as prudent fundamentally, even though this may have relative value pitfalls.

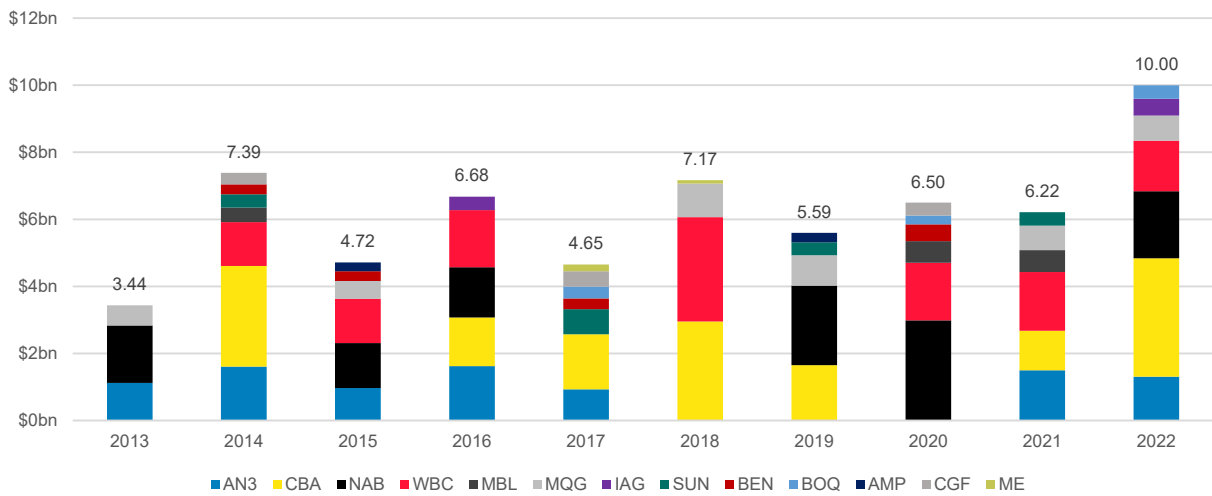
When liquidity is leaving the market and issuers have a fast-approaching call date that investors generally expect to be respected, pressure mounts on the issuer to get the refinancing deal away before both pricing becomes even more unattractive, and the size of the refinancing deal shrinks. For different reasons to Warren Buffet's investment advice, issuers need to "be greedy when others are fearful". Whilst for each of the three times spreads widened in 2022 (see Figure 12), it was not the case that the music stopped and investors hoarded cash and call dates were missed. Instead, 2022 was a showcase of treasury departments preparing for the worst but hoping for the best. Had the tide not turned whereby spreads continued pushing wider and primary demand completely dried up, the issuers that brought deals forward by 6 months would have received praise for proactively managing its liabilities.

Figure 12. AT1 Issuance 2022



Source: BondAdviser, Bloomberg. As at 31 December 2022.

Figure 13. AT1 Issuance Profile – Regular Issuers



Source: BondAdviser, Bloomberg. As at 31 December 2022.

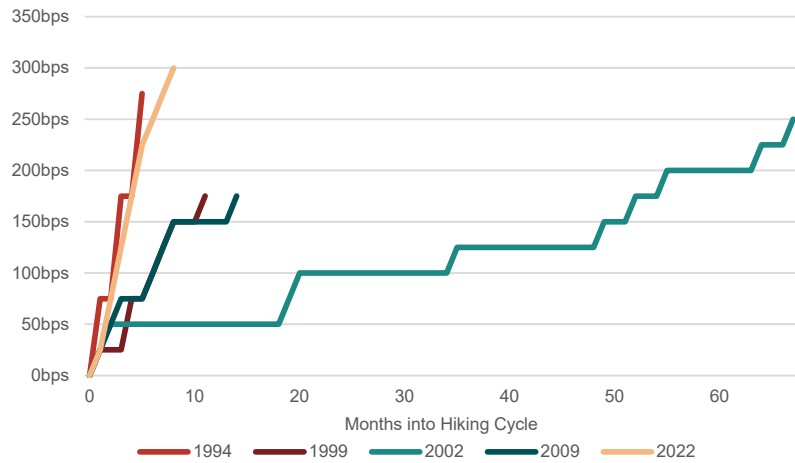
Looking to Figure 14 below, we are now in the middle of the **largest hiking cycle since the RBA’s introduction of an official cash rate target**. While this is record setting in itself, Governor Lowe and the RBA are still of the opinion that inflation in Australia is too high and is expected to continue rising. With a peak of 8% forecast for the December 2022 quarter and a target of returning to 2-3% still front of mind, there is some work to be done.

As of the most recent cash rate hike to 3.10%, the RBA released a forecasted cash rate path that guided for the terminal rate to be reached at its next meeting in February with another 25bps hike to 3.35%. As at 5 January 2023, futures imply a 53% chance of a 25bps rate increase next month, however a peak of 3.94% in September 2023 is

currently being priced in. The market believes the RBA's deceleration will be more gradual than the Bank is currently forecasting and that it will continue hiking past 3.35%.

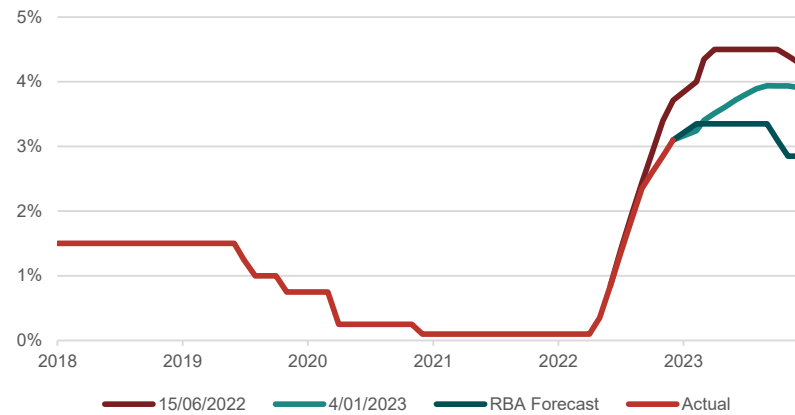
Regardless, both sides agree the majority of monetary policy tightening has been done, and the RBA are posturing towards easing in the near-to-medium-term.

Figure 14. RBA Cash Rate Hiking Cycles



Source: BondAdviser, RBA. As at 4 January 2023.

Figure 15. RBA Cash Rate Market Forecasts



Source: BondAdviser, Bloomberg, RBA. As at 4 January 2023.

Banks & Financials

Complete Sale of Partners Group with Rating Upgrade to Boot

Following receipt of regulatory approvals Dai-ichi Life Holdings completed the acquisition of **Partners Group Holdings Limited** (PGHL) effective 30 November 2022. As we suspected, this is a credit positive for PGHL primarily due to it having the backing of a stronger parent.

Rating agency AM Best has subsequently upgraded the Partners Life Financial Strength Rating to A from A- and the Long-Term Issuer Credit Rating to a from a-. The outlook assigned to both of these ratings is stable. of the “under review” status to “positive” from “developing”. We still have a target trading margin to first call target of +350bps for the Notes, equating to a capital price of ~\$103.50 (capital price of \$100.32 as at 10 January 2023).

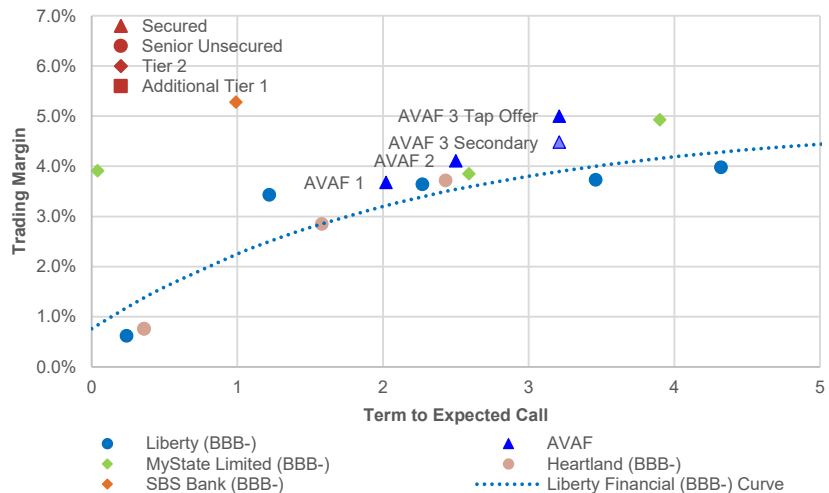
Avanti Tap Notes 3 at +500bps

Following the pulled transaction for Notes 4, which sought to raise \$50 million in new monies in October 2022 when USD 4y BB Fins credit spreads were 70bps wider, Avanti raised \$30 million as a tap of Notes 3 at a margin of +500bps. At the pricing date, Notes 3 had 3.2 years until maturity in February 2026, however are callable at 100% of par in August 2025 (2.7 years).

We viewed this trade as providing robust value to investors as Notes 4 was previously offered during a global credit sell-off at the same margin (+500bps), with a 0.8-year longer tenor, all of which resulting in better relative value optics for the Notes 3 tap.

As Notes 3 pay 3mBBSW +450bps, the \$30 million increase was priced at a capital price of \$98.611, equating to the re-offer trading margin of +500bps. Wholesale subscribers can [click here](#) to read our full report.

Figure 16. Trading Margin – BBB Band Bank and Non-Bank Lender Curve (AUD)



Source: BondAdviser, Bloomberg. As at 9-Dec-22. Credit ratings indicate issuer credit ratings unless the sub-asset class stated in the legend.

BEN Trading Update

Regional bank, **Bendigo and Adelaide Bank** (ASX: BEN) provided a strong trading update for the five months to 30 November 2022, which was positive from a credit perspective.

Unaudited cash NPAT was up 22% on the prior comparable period (pcp) to \$245 million driven by solid lending growth (+5.2%), margin expansion (+12bps) and lower credit

impairment expenses. No signs of loan stress were evident with loans **90-days plus in arrears as a proportion of gross loans 8bps lower at 41bps** as at 30 November 2022, versus 30 June 2022. The **CET1 capital ratio strengthened 30bps to 9.98%** on 30 June 2022.

While year-on-year lending grew 5.2% over the 12 months to 30 November 2022, clearly higher interest rates are starting to bite, with loans outstanding declining 0.7% over the five months to 30 November 2022, compared to 30 June 2022. BEN expects positive NIM tailwinds to continue into 2H23, however we expect greater competition for loans in a slowing environment, which will be a larger headwind for NIM. FY23 operating costs are guided to be modestly above the prior year compared to previous expectations of being broadly flat.

ANZ Restructure Approved and Underway

On 15 December 2022, ANZ shareholders and the Federal Court approved the proposal to move to a Non-Operating Holding Company (NOHC) structure. The Scheme became effective on 20 December 2022.

A new listed parent holding company has been created, beneath sits a Banking Group (OpCo) and a Non-Banking Group. ANZ Group equity shareholders have received one ANZ NOHC share (ASX Code: ANZ) for each ANZ Banking Group (ANZBGL) share that they owned. ANZBGL remains listed on the ASX as a debt listing (ASX Code: AN3). This is similar to **Macquarie Group** (ASX: MQG) and **Macquarie Bank** (ASX: MBL).

Prima facie the credit profile impact is unchanged for AT1 hybrids, given APRA's ability to restrict hybrid distributions supersedes any structural subordination of cashflows in a NOHC, OpCo like structure. ANZ AT1 securities are now trading under their new respective ASX codes on a deferred settlement basis and have done since 21 December 2022.

- ANZPG – New ASX Code: AN3PG
- ANZPH – New ASX Code: AN3PH
- ANZPI – New ASX Code: AN3PI
- ANZPJ – New ASX Code: AN3PJ

Corporates

Moody's Assigns Telstra Group Credit Rating

Following the Group's restructuring in October 2022, Moody's has assigned an A2 rating to **Telstra Group Limited** (ASX: TLS) with a stable outlook, placing it in line with the current credit rating of Telstra Corporation. Going forward, all future debt issuance will be from the new Telstra Corp, rather than the current Telstra Corp (where all existing debt is currently issued from).

Moody's stated that the cross-guarantee structure put in place protects both existing and new debt holders, which it attributes the reason to aligning the credit rating of the two entities.

Woolworths Trades Bottle for Bone

After agreeing to sell part of its stake in **Endeavour Group** (ASX: EDV) representing 5.5% of issued shares via a block trade last week, **Woolworths Group** (ASX: WOW) announced it is acquiring 55% of Petspiration Group for a cash purchase of \$586 million. The proceeds from this sell-down of its interest in Endeavour Group (\$636 million raised) will be used to fund the acquisition. Woolworths also stated it will retain its remaining 9.1% interest in Endeavour Group and has no intention of further divestment in the short to medium term.

The Petspiration Group Founders will continue to hold a 45% interest and will maintain leadership roles within the Group. Woolworths expects the transaction to be completed mid-CY23 while being subject to ACCC and NZCC approval along with customary closing conditions.

Given the acquisition is funded by the sell-down of its existing position in Endeavour, we do not expect a material impact on the credit profile in the short term. Woolworths has stated it expects the investment to produce "mid-teens IRR by delivering identified value creation opportunities".

Cap Rates on the Rise

Centuria Industrial Trust (ASX: CIP) provided a strategy and valuation update on 8 December 2022 where it reaffirmed respective FY23 FFO and distribution guidance of 17.0 cpa and 16.0 cents per unit in addition to reporting a 1.9% decline in portfolio book value vs 30 June 2022. Following completion of valuations on 28 of its investment properties (~55% by portfolio by value) as at December 2022, **the weighted average capitalisation rate increased 47bps since June 2022** to 4.66%. Increased rental cashflows helped cushion the impact on portfolio valuation. The manager noted that demand for industrial property remains strong with low vacancy rates, however if economic activity slows as a result of rising rates, demand and therefore rental growth may slow.

CIP has also agreed to sell a 50% stake in eight industrial assets to an investment vehicle sponsored by Morgan Stanley Real Estate for \$181 million at a 4.7% earnings yield. While this dilutes FFO slightly, it does improve gearing from 33.2% at 30 June 2022 to a pro-forma 31%.

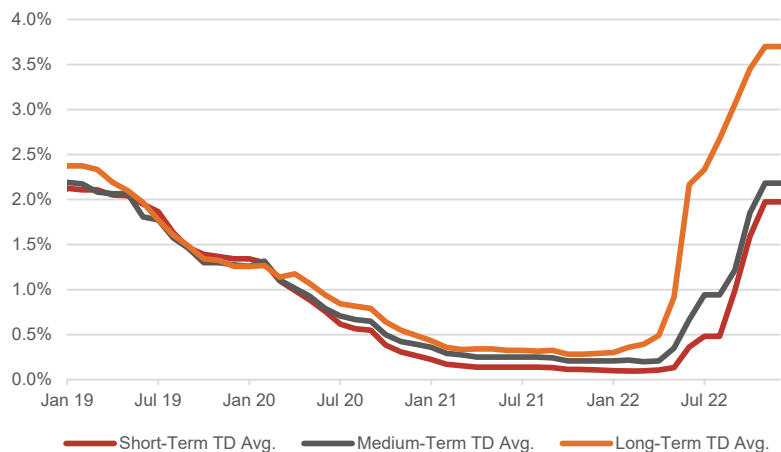
Is this the long awaiting canary in the coal mine for real estate capitalisation rates and associated valuations? Given the spread between risk free bond yields and CRE capitalisation rates is incredibly low, we have been expecting valuations here to be challenged in most cases. **Importantly, we see credit buffers here remaining strong – equity less so.**

Term Deposit Review

Of the six banks covered (Big Four and Regionals) across short-, medium-, and long-term rates in our monthly Term Deposit Review, nothing changed month on month in December. This follows the violent uptick in average **long-term rates from 0.29% for 12 months in December 2021 to 3.70% a year later**. As there was no change across the board, **ANZ and BOQ continue to offer the best 12-month TD rate at 4.00%** while BOQ's 2.25% for 3 months leads the regularly covered banks. Outside of this, **Judo Bank currently offer 4.20% for a 12-month TD** and 3.35% for 3 months. The worst of the bunch is Westpac who offer 1.50% for 3 months, 2.00% for 6, and 3.35% for 12, lagging the rest of the Big Four by at least 40 basis points at each tenor.

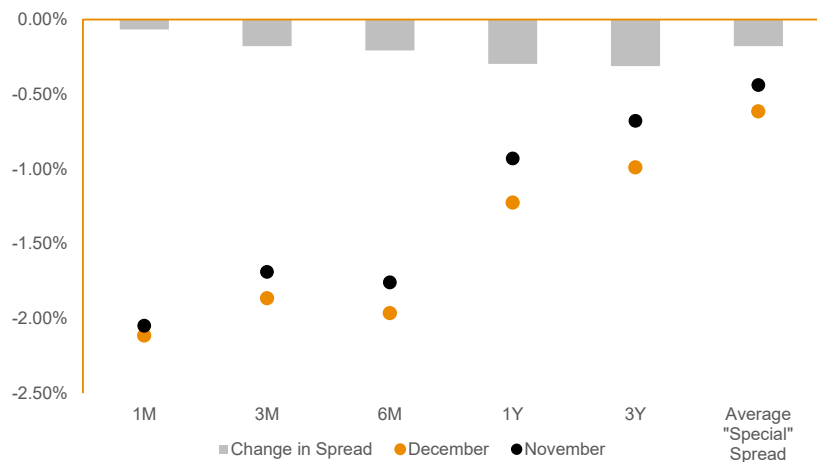
Generally, swap rates were around 20bps higher over December, while the short-end of the curve experienced the same directionality with lesser nominal movement. 1mBBSW rose 9bps to 3.02% and the **3mBBSW moved 18bps wider to 3.27%**. Further out, the 6-month, 1-year, and 3-year swap rates rose 20bps each to 3.77%, 4.08%, and 4.19%, respectively.

Figure 17. Average Bank Term Deposit Returns



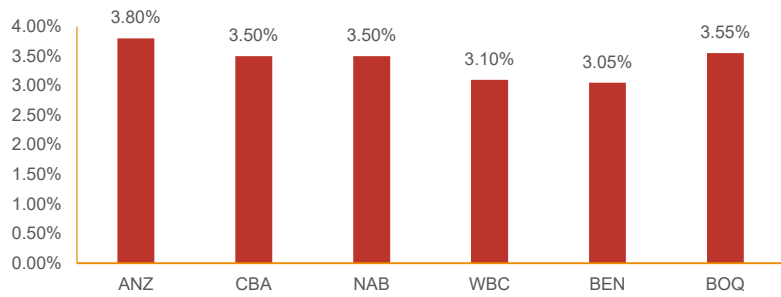
Source: BondAdviser, Company Websites, RBA.

Figure 18. RBA Term Deposit Spread Over Relevant Swap Rate: November 2022 vs October 2022



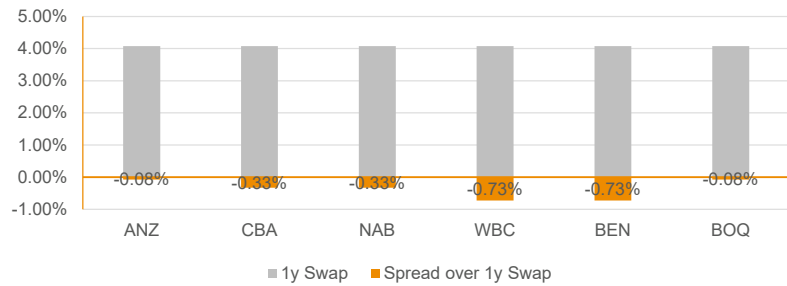
Source: BondAdviser, RBA.

Figure 19. Δ Annual LT TD Rates



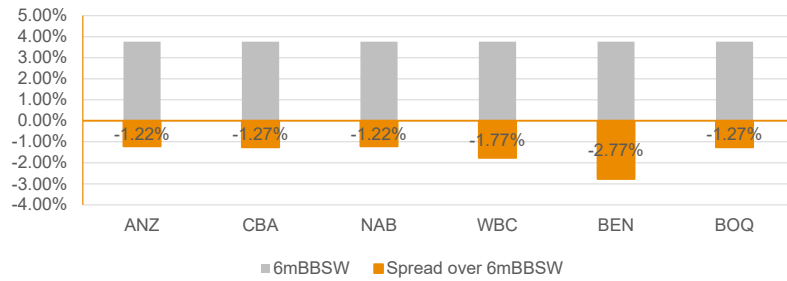
Source: BondAdviser, Company Websites, RBA. Note Long-Term ~12m.

Figure 20. LT Deposit Rates



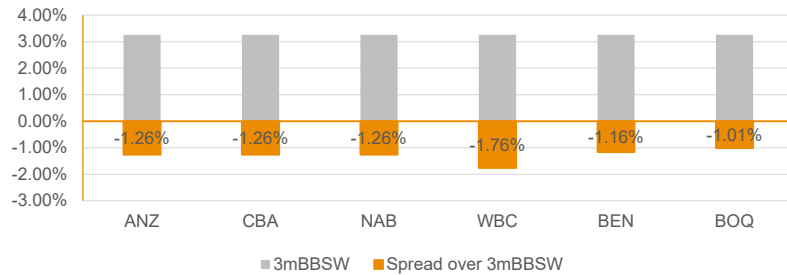
Source: BondAdviser, Company Websites, RBA. Note Long-Term ~12m.

Figure 21. MT Deposit Rates



Source: BondAdviser, Company Websites, RBA. Note Medium-Term ~6m.

Figure 22. ST Deposit Rates



Source: BondAdviser, Company Websites, RBA. Note Short-Term ~3m.

Key Events

Date	Description
1 December	Downer announces that current COO will be appointed CEO and Managing Director of the Downer Group following the current CEO's retirement in February 2023.
7 December	The Reserve Bank of Australia raises the official cash rate by 25bps to 3.10%.
8 December	Downer announces historical misreporting of revenue and work in progress in one of its maintenance contracts, overstating pre-tax earnings by \$30-\$40 million between September 2019 and November 2022.
	Centuria Industrial Trust provides a strategic and valuation update, reaffirming FY23 FFO and distribution guidance of 17.0 and 16.0 cents per unit while the portfolio book value fell 1.9% from 30 June 2022.
13 December	Bendigo and Adelaide Bank provided a trading update for the five months to 30-Nov 22 with unaudited cash NPAT up 22% vs the prior comparable period, reflecting lending growth, margin expansion and lower credit impairments.
14 December	Moody's assigns and A2 rating to Telstra Group Limited with a stable outlook, in line with the current rating of Telstra Corporation.
	Woolworths agrees to sell a 5.5% stake in Endeavour Group for \$636 million.
15 December	Fitch Ratings revises Outlook on Downer's Long-Term Issuer Rating from Stable to Negative and has affirmed its BBB rating.
	Woolworths enters an agreement to acquire a 55% interest in Petspiration Group for \$586 million.
	The Bank of England raises the bank rate by 50bps to 3.50%.
	The Federal Open Market Committee raises the target federal funds rate range by 50bps to 4.25-4.50%.
20 December	ANZ lodges the Court order approving the scheme to move to a Non-Operating Holding Company (NOHC) structure.

New Issue Monitor

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3FN0065579	14/01/2022	Commonwealth Bank of Australia	Sr Unsecured	+70	5	3,100	-0.09%
AU3CB0285740	14/01/2022	Commonwealth Bank of Australia	Sr Unsecured	2.40%	5	900	-1.62%
AU3FN0065595	20/01/2022	Sumitomo Mitsui Banking Corp	Sr Unsecured	+78	5	900	0.16%
AU3FN0065587	20/01/2022	Sumitomo Mitsui Banking Corp	Sr Unsecured	+58	3	600	-0.02%
AU3FN0065686	20/01/2022	Bank of Nova Scotia	Sr Unsecured	+25	1	750	0.01%
AU3CB0285948	20/01/2022	Oversea-Chinese Banking Corp Ltd	Sr Unsecured	0.71%	1	250	0.22%
AU3FN0065702	25/01/2022	Westpac Banking Corp	Sr Unsecured	+70	5	1,900	-0.09%
AU3CB0286037	25/01/2022	Westpac Banking Corp	Sr Unsecured	2.40%	5	850	-1.72%
AU3FN0065694	25/01/2022	Suncorp-Metway Ltd	Sr Unsecured	+78	5	775	0.05%
AU3CB0285955	25/01/2022	Suncorp-Metway Ltd	Sr Unsecured	2.50%	5	225	-1.68%
AU3FN0065710	27/01/2022	Cooperatieve Rabobank	Sr Unsecured	+73	5	700	-0.07%
AU3FN0066213	7/02/2022	Bank of China Ltd/Sydney	Sr Unsecured	+60	3	200	0.02%
AU3FN0066221	10/02/2022	Newcastle Permanent Building Society Ltd	Sr Unsecured	+100	5	250	0.08%
AU3FN0066320	14/02/2022	Auswide Bank Ltd	Sr Unsecured	+75	3	30	-0.07%
AU3CB0286623	16/02/2022	Cooperatieve Rabobank UA/Australia	Sr Preferred	0.90%	1	125	0.21%
AU3FN0066395	21/02/2022	Mizuho Bank Ltd/Sydney	Sr Unsecured	+54	3	900	0.00%
AU3FN0066486	22/02/2022	Avanti Finance Ltd	Secured	+450	4	100	-0.82%
AU3FN0066544	24/02/2022	United Overseas Bank Ltd/Sydney	Sr Unsecured	+72	5	900	-0.11%
AU3CB0286565	24/02/2022	Nomura Research Institute Ltd	Sr Unsecured	0.90%	10	200	-4.10%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3FN0066528	25/02/2022	National Australia Bank Ltd	Sr Unsecured	+72	5	1,400	-0.15%
AU3FN0066510	25/02/2022	National Australia Bank Ltd	Sr Unsecured	+47	3	850	-0.03%
AU3CB0286763	25/02/2022	National Australia Bank Ltd	Sr Unsecured	2.90%	5	1,250	-1.78%
AU3CB0286789	25/02/2022	National Australia Bank Ltd	Sr Unsecured	2.35%	3	500	-0.73%
AU3FN0067021	7/03/2022	Commonwealth Bank of Australia	Sr Unsecured	+25	1	350	0.01%
AU3FN0067112	8/03/2022	Macquarie Bank Ltd	Sr Unsecured	+50	2	360	0.02%
AU3FN0066916	8/03/2022	Macquarie Bank Ltd	Sr Unsecured	+28	1	200	0.03%
AU3CB0287415	17/03/2022	Westpac Banking Corp	Sr Unsecured	2.70%	3	900	-0.80%
AU3FN0067377	17/03/2022	Westpac Banking Corp	Sr Unsecured	+69	3	1,600	0.00%
AU3FN0067401	17/03/2022	Bendigo & Adelaide Bank Ltd	Sr Unsecured	+98	3	650	0.04%
AU3CB0287498	17/03/2022	Bendigo & Adelaide Bank Ltd	Sr Unsecured	3.00%	3	100	-0.83%
AU3FN0067393	17/03/2022	Auswide Bank Ltd	Sr Unsecured	+90	3	30	-0.09%
AU3CB0287530	21/03/2022	Hyundai Capital Services Inc	Sr Unsecured	3.50%	3	200	-0.51%
AU3CB0287696	21/03/2022	Toyota Finance Australia Ltd	Sr Unsecured	2.93%	3	150	-0.73%
AU3CB0287647	24/03/2022	University of Tasmania	Sr Unsecured	3.97%	10	280	-4.29%
AU3CB0287654	24/03/2022	University of Tasmania	Sr Unsecured	4.45%	20	70	-6.96%
AU3FN0067641	24/03/2022	Suncorp-Metway Ltd	Sr Unsecured	+40	1	150	0.05%
AU0000209942	25/03/2022	Australia and New Zealand Banking Group	AT1	+270	7	1,310	-
AU3CB0287373	25/03/2022	Centuria Capital No 2 Fund	Secured	5.46%	3	70	-0.06%
AU3CB0288066	30/03/2022	AusNet Services Holdings Pty Ltd	Sr Unsecured	4.30%	6	500	-1.71%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU0000215618	31/03/2022	Commonwealth Bank of Australia	AT1	+275	7	1,750	1.13%
AU3FN0067930	8/04/2022	Macquarie Bank Ltd	Sr Unsecured	+105	5	35	0.04%
AU3CB0288389	14/04/2022	Commonwealth Bank of Australia	T2	4.95%	5	400	-1.40%
AU3CB0288439	14/04/2022	Volkswagen Financial Services Australia Pty Ltd	Sr Unsecured	4.00%	3	250	-0.76%
AU3FN0067989	14/04/2022	Commonwealth Bank of Australia	T2	+190	5	700	1.07%
AU3CB0288397	14/04/2022	NBN Co Ltd	Sr Unsecured	4.20%	5	800	-1.35%
AU3FN0067997	14/04/2022	Oversea-Chinese Banking Corp Ltd/Sydney	Sr Unsecured	+70	3	700	-0.03%
AU3CB0288553	21/04/2022	Athene Global Funding	Secured	4.76%	5	300	-2.39%
AU3FN0068003	27/04/2022	Centuria Capital No 2 Fund	Secured	+335	3	30	0.00%
AU3CB0288843	29/04/2022	Bank of Queensland Ltd	Sr Unsecured	4.00%	3	150	-1.11%
AU3FN0068300	29/04/2022	Bank of Queensland Ltd	Sr Unsecured	+110	3	500	-0.03%
AU3CB0289221	12/05/2022	Australia & New Zealand Banking Group Ltd	Sr Unsecured	4.05%	3	1,000	-0.94%
AU3FN0068771	12/05/2022	Australia & New Zealand Banking Group Ltd	Sr Unsecured	+97	5	1,000	-0.10%
AU3FN0068763	12/05/2022	Australia & New Zealand Banking Group Ltd	Sr Unsecured	+77	3	2,000	-0.01%
AU3FN0068656	13/05/2022	Heartland Australia Group Pty Ltd	Sr Unsecured	+275	3	115	-0.17%
AU3CB0289452	20/05/2022	Westpac Banking Corp	Secured	3.80%	3	800	-0.92%
AU3FN0069217	20/05/2022	Westpac Banking Corp	Sr Unsecured	+105	5	1,000	-0.12%
AU3FN0069209	20/05/2022	Westpac Banking Corp	Secured	+73	3	1,200	-0.01%
AU3FN0069183	23/05/2022	Members Banking Group Ltd	Sr Unsecured	+125	3	55	-0.24%
AU3CB0289205	25/05/2022	Air New Zealand Ltd	Sr Unsecured	5.70%	4	300	-1.23%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3CB0289213	25/05/2022	Air New Zealand Ltd	Sr Unsecured	6.50%	7	250	-2.17%
AU3CB0289502	26/05/2022	ING Bank Australia Ltd	Secured	4.00%	3	200	-0.98%
AU3FN0069282	26/05/2022	ING Bank Australia Ltd	Secured	+78	3	800	-0.02%
AU3CB0289551	26/05/2022	ING Bank Australia Ltd	Secured	4.50%	7	150	-2.84%
AU3FN0069290	26/05/2022	Police & Nurses Ltd	AT1	+575	5	75	-0.46%
AU3CB0289817	30/05/2022	National Australia Bank Ltd	Sr Unsecured	3.90%	3	1,100	-0.97%
AU3FN0069373	30/05/2022	National Australia Bank Ltd	Sr Unsecured	+90	3	1,650	-0.04%
AU3FN0069308	30/05/2022	Credit Union Australia Ltd	Sr Unsecured	+116	3	50	-0.20%
AU3CB0290096	10/06/2022	Lloyds Banking Group PLC	Sr Unsecured	5.39%	5	500	-0.84%
AU3FN0069621	16/06/2022	DBS Bank Ltd/Australia	Sr Unsecured	+85	3	500	-0.01%
AU3CB0290229	17/06/2022	Asian Development Bank	Sr Unsecured	3.70%	3	700	-0.98%
AU3FN0069837	20/06/2022	Woori Bank/Sydney	Sr Unsecured	+110	3	130	0.06%
AU3FN0069704	21/06/2022	Ampol Ltd	Subordinated	+380	6	150	0.45%
AU0000226961	7/07/2022	National Australia Bank Ltd	AT1	+315	7	2,000	0.79%
AU0000231011	15/07/2022	Macquarie Group Limited	AT1	+370	7	750	2.51%
AU0000229452	20/07/2022	Westpac Banking Corp	AT1	+340	6	1,510	0.57%
AU3FN0070199	03/08/2022	National Australia Bank Ltd	T2	+280	5	250	0.94%
AU3CB0291284	03/08/2022	National Australia Bank Ltd	T2	6.32%	5	1,000	-1.58%
AU3FN0070322	8/08/2022	Macquarie Bank Ltd	Sr Unsecured	+62	1	100	-0.01%
AU3CB0291508	11/08/2022	Westpac Banking Corp	Sr Unsecured	3.90%	3	950	-1.04%
AU3FN0070355	11/08/2022	Westpac Banking Corp	Sr Unsecured	+80	3	1,550	-0.03%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3FN0070363	11/08/2022	Oversea-Chinese Banking Corp Ltd/Sydney	Sr Unsecured	+82	3	500	0.06%
AU3CB0291466	12/08/2022	Australia & New Zealand Banking Group Ltd	T2	5.91%	10	1,450	-1.70%
AU3CB0291532	12/08/2022	NatWest Markets PLC	Sr Unsecured	5.05%	3	600	-1.20%
AU3FN0070330	12/08/2022	Australia & New Zealand Banking Group Ltd	T2	+270	10	300	0.90%
AU3CB0291680	18/08/2022	Commonwealth Bank of Australia	Sr Unsecured	4.40%	5	900	-1.98%
AU3CB0291672	18/08/2022	Commonwealth Bank of Australia	Sr Unsecured	4.20%	3	1,000	-1.04%
AU3FN0070579	18/08/2022	Commonwealth Bank of Australia	Sr Unsecured	102	5	1,400	-0.15%
AU3FN0070561	18/08/2022	Commonwealth Bank of Australia	Sr Unsecured	+80	3	1,200	-0.06%
AU3FN0070884	19/08/2022	Credit Suisse AG/Sydney	Sr Unsecured	+125	1	100	-0.46%
AU3FN0070686	19/08/2022	Oversea-Chinese Banking Corp Ltd/Sydney	Sr Unsecured	+52	1	100	-0.01%
AU3CB0291797	22/08/2022	Suncorp-Metway Ltd	Sr Unsecured	4.40%	3	250	-1.00%
AU3FN0070892	22/08/2022	Suncorp-Metway Ltd	Sr Unsecured	+93	3	500	-0.09%
AU3FN0070918	22/08/2022	Mizuho Bank Ltd/Sydney	Sr Unsecured	+88	3	500	0.03%
AU3CB0291847	24/08/2022	International Finance Corp	Sr Unsecured	3.60%	3	500	-0.01%
AU3FN0071015	25/08/2022	Hongkong & Shanghai Banking Corp Ltd-The-/Sydney	Sr Unsecured	+110	5	1,000	-1.18%
AU3FN0070900	30/08/2022	MyState Limited	AT1	+550	5	65	0.16%
AU3FN0071262	8/09/2022	Macquarie Bank Ltd	Sr Unsecured	+55	1	1,250	-
AU3FN0071445	13/09/2022	Cooperatieve Rabobank UA/Australia	Sr Unsecured	+46	1	350	-0.01%
AU3CB0292324	16/09/2022	Challenger Life Co Ltd	T2	7.19%	5	400	-1.45%
AU3CB0292472	20/09/2022	Australia & New Zealand Banking Group Ltd	T2	6.41%	7	900	-2.61%
AU3FN0071999	21/09/2022	Bank of China Ltd/Sydney	Sr Unsecured	+68	1	500	0.01%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3CB0292480	26/09/2022	Judo Bank Pty Ltd	Sr Unsecured	6.40%	3	175	-1.19%
AU3CB0292597	28/09/2022	NBN Co Ltd	Sr Unsecured	4.75%	4	300	-1.33%
AU3CB0292522	29/09/2022	BPCE SA	Sr Preferred	5.20%	3	375	-0.97%
AU3CB0292530	29/09/2022	BPCE SA	Subordinated	6.34%	6	175	-1.69%
AU3FN0072013	29/09/2022	BPCE SA	Sr Preferred	4.38%	3	250	0.01%
AU3FN0072369	13/10/2022	MyState Bank Ltd	Sr Unsecured	+130	3	100	-0.26%
AU3CB0293157	17/10/2022	Suncorp-Metway Ltd	Secured	4.85%	3	200	-1.07%
AU3FN0072617	17/10/2022	Suncorp-Metway Ltd	Secured	+88	3	550	-0.02%
AU3CB0293348	26/10/2022	Cooperatieve Rabobank UA	Subordinated	+295	10	300	-1.81%
AU3FN0072732	26/10/2022	Cooperatieve Rabobank UA	Subordinated	+100	10	200	-0.21%
AU3FN0072757	27/10/2022	Bank of Nova Scotia/Toronto	Secured	+90	3	1,000	0.03%
AU3FN0072740	28/10/2022	Teachers Mutual Bank Ltd	Sr Unsecured	+150	3	190	0.01%
AU3FN0072971	31/10/2022	Bank of Montreal/Toronto	Secured	+90	3	700	-0.01%
AU3CB0293769	9/11/2022	Commonwealth Bank of Australia	T2	6.86%	5	900	-1.69%
AU3FN0073029	9/11/2022	Commonwealth Bank of Australia	T2	+270	5	1,100	0.65%
AU3FN0073367	11/11/2022	Westpac Banking Corp	Sr Unsecured	+123	5	1,350	-0.14%
AU3CB0294023	11/11/2022	Westpac Banking Corp	Sr Unsecured	5.30%	5	400	-2.12%
AU3CB0294015	11/11/2022	Westpac Banking Corp	Sr Unsecured	4.90%	3	500	-1.17%
AU3FN0073359	11/11/2022	Westpac Banking Corp	Unsecured	+95	3	550	-0.03%
AU3CB0293967	11/11/2022	Bendigo & Adelaide Bank Ltd	Secured	5.10%	3	200	-1.13%
AU3FN0073334	11/11/2022	Bendigo & Adelaide Bank Ltd	Secured	+95	3	250	-0.06%
AU0000247926	14/11/2022	Bank of Queensland Limited	AT1	+340	6	400	2.23%

ISIN / ASX Code	Issue Date	Issuer	Structural Position	Coupon / Margin	Term	Issue	1 Month Δ Price
AU3CB0293975	14/11/2022	International Finance Corp	Sr Unsecured	4.45%	4	1,000	-1.85%
AU0000247348	15/11/2022	Commonwealth Bank of Australia	AT1	+285	6	1,777	1.34%
AU3CB0294080	22/11/2022	DBS Bank Ltd/Australia	Sr Unsecured	+55	1	200	-4.01%
AU3FN0073896	25/11/2022	National Australia Bank Ltd	Sr Unsecured	+120	5	2,100	-0.15%
AU3CB0294502	25/11/2022	National Australia Bank Ltd	Sr Unsecured	4.95%	5	550	-2.17%
AU3FN0073904	25/11/2022	National Australia Bank Ltd	Sr Unsecured	+92	3	1,650	-0.04%
AU3CB0294510	25/11/2022	National Australia Bank Ltd	Sr Unsecured	4.65%	3	450	-1.17%
AU3CB0294528	29/11/2022	Transpower New Zealand Ltd	Sr Unsecured	4.98%	6	200	-2.38%
AU3FN0073698	29/11/2022	Bank of China Ltd/Sydney	Sr Unsecured	+72	1	400	-0.06%
XS2565291577	12/12/2022	Commonwealth Bank of Australia	Sr Unsecured	4.40%	3	145	-
AU3FN0074241	14/12/2022	Suncorp-Metway Ltd	Sr Unsecured	+125	5	700	-
AU3CB0294957	14/12/2022	Suncorp-Metway Ltd	Sr Unsecured	4.80%	5	300	-
XS2565839177	15/12/2022	Australia & New Zealand Banking Group Ltd	Sr Unsecured	4.45%	3	140	-
AU3FN0074373	20/12/2022	Pepper Money Ltd/Australia	Subordinated	+600	4	25	-
AU3CB0295129	21/12/2022	Aurizon Network Pty Ltd	Sr Unsecured	6.39%	10	50	-
XS2569290583	21/12/2022	National Australia Bank Ltd	Sr Unsecured	5.38%	15	40	-
AU3CB0295137	21/12/2022	Aurizon Network Pty Ltd	Sr Unsecured	6.56%	12	20	-

AT1 Curve and Data (as at 31 December 2022)

Figure 23. ASX AT1 Trading Margin

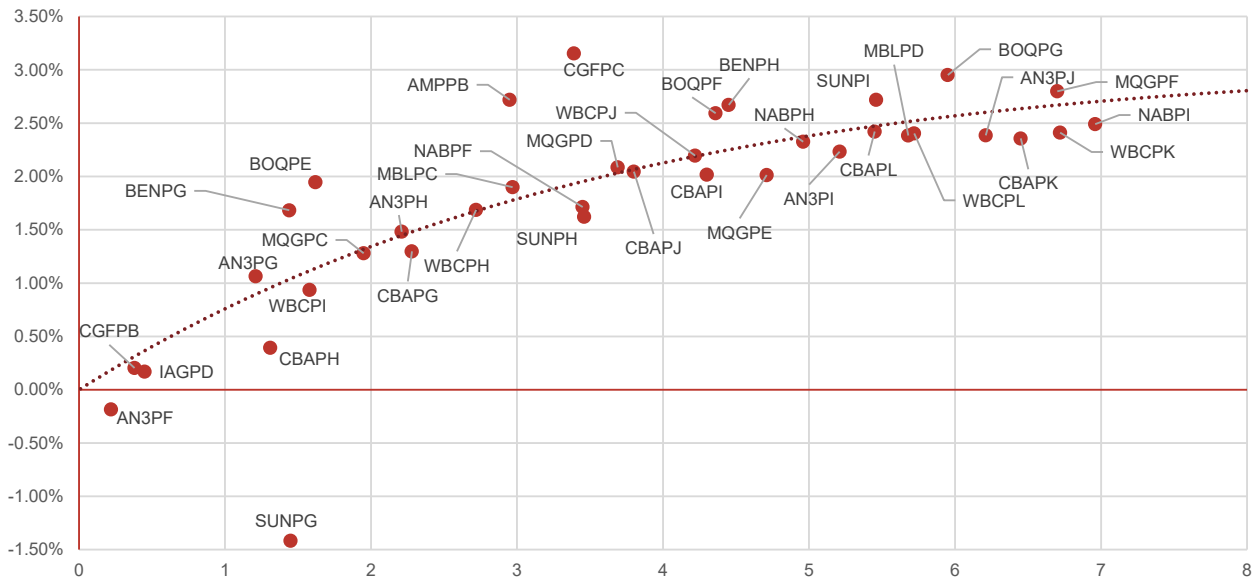
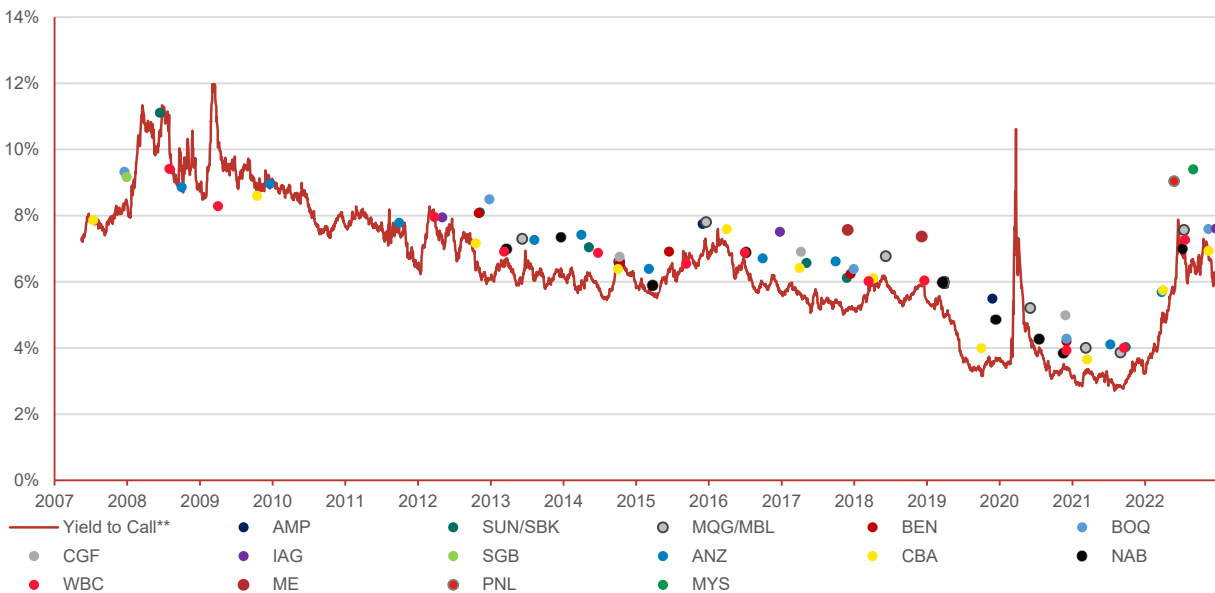


Figure 24. AUD AT1 Primary & Weighted Average Secondary Yield to Call**



As at 31-12-22	Last	1m	3m	YTD	1y	3y	5y	Inception ^A
Yield to Call	6.23%	6.54%	6.51%	3.24%	3.22%	3.67%	5.17%	7.26%
%Δ		-4.74%	-4.30%	92.28%	93.48%	69.75%	20.50%	-14.19%
Trading Margin	2.00%	2.64%	2.32%	1.94%	1.95%	2.56%	2.80%	0.79%
%Δ		-24.24%	-13.79%	3.09%	2.56%	-21.88%	-28.57%	153.16%

Source: BondAdviser Index Platform: BAAUAT1DFTR
 ** Weighted average based on market capitalisation. BAAUAT1DFTR is a franked, total return index that is rebalanced on a daily basis. Yield to call based on BondAdviser estimates. ^AInception of BAAUAT1DFTR is 16/5/2007.

T2 Curve and Data (as at 31 December 2022)

Figure 25. AUD Tier 2 Trading Margin

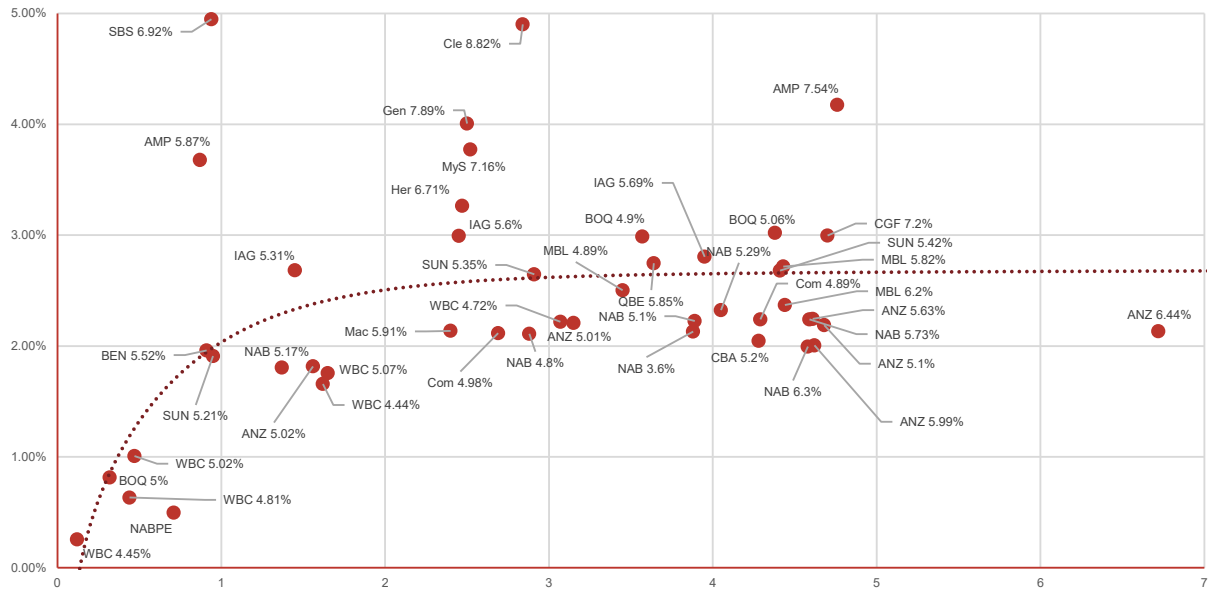
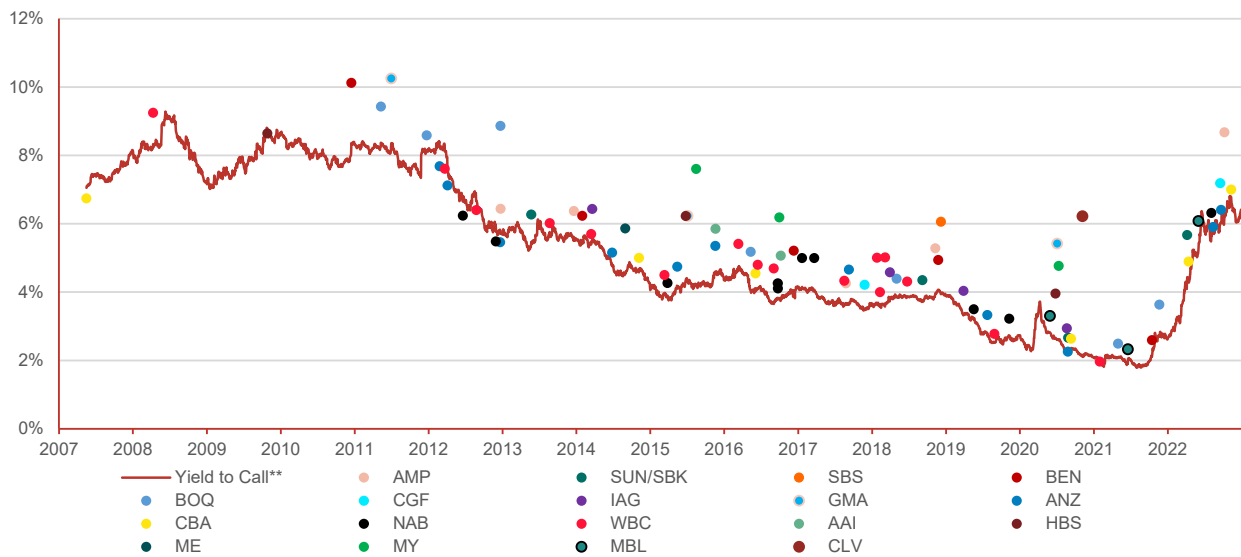


Figure 26. AUD T2 Primary & Weighted Average Secondary Yield to Call**

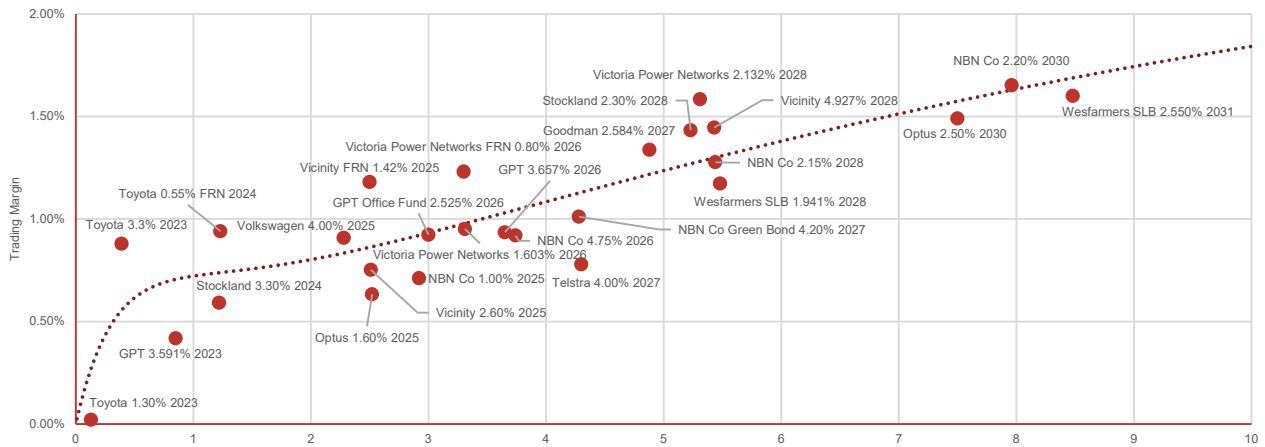


As at 31-12-22	Last	1m	3m	YTD	1y	3y	5y	Inception [^]
Yield to Call	6.41%	6.22%	6.32%	2.65%	2.65%	2.74%	3.61%	7.05%
%Δ		3.05%	1.42%	141.89%	141.89%	133.94%	77.56%	-9.08%
Trading Margin	2.22%	2.36%	2.16%	1.34%	1.38%	1.60%	1.32%	0.60%
%Δ		-5.93%	2.78%	65.67%	60.87%	38.75%	68.18%	270.00%

Source: BondAdviser Index Platform: BAAUT20DNTR
 ** Weighted average based on market capitalisation. BAAUT20DNTR is a total return index that is rebalanced on a daily basis. Yield to call based on BondAdviser estimates. [^]Inception of BAAUT20DNTR is 16/5/2007.

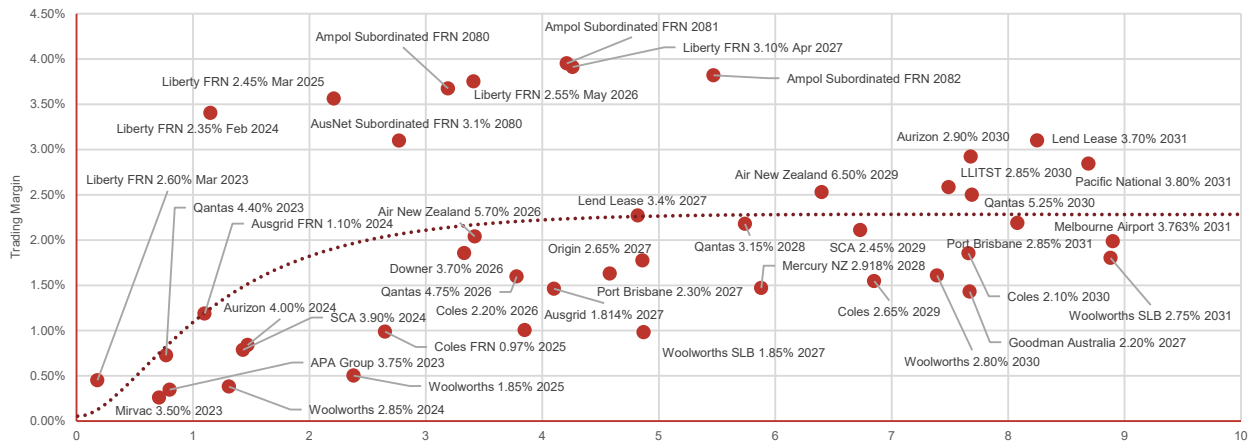
Corporate Curves (as at 31 December 2022)

Figure 27. AAA-A Band



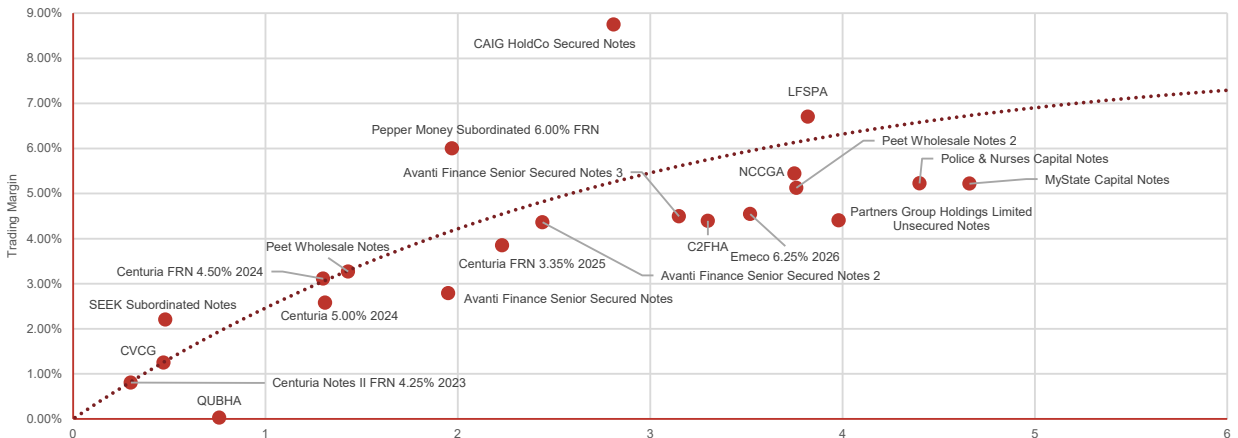
Source: BondAdviser, Bloomberg.

Figure 28. BBB Band



Source: BondAdviser, Bloomberg.

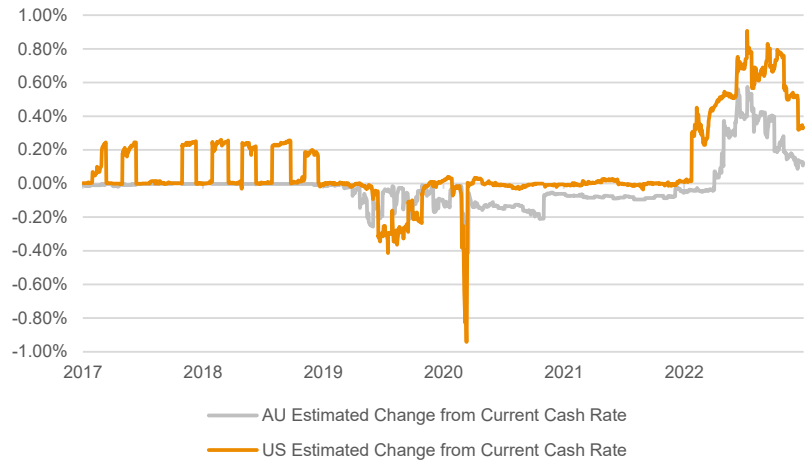
Figure 29. Sub-IG Band / Unrated Curve



Source: BondAdviser, Bloomberg.

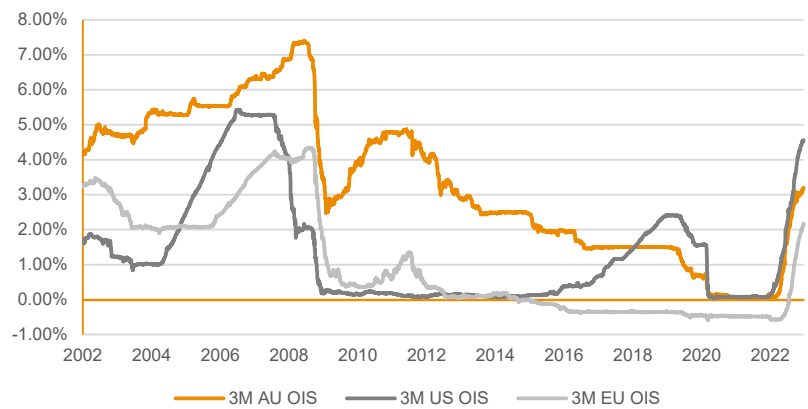
Credit and Money Markets Charts

Figure 30. AU/US Next Meeting Estimated Change from Current Cash Rate



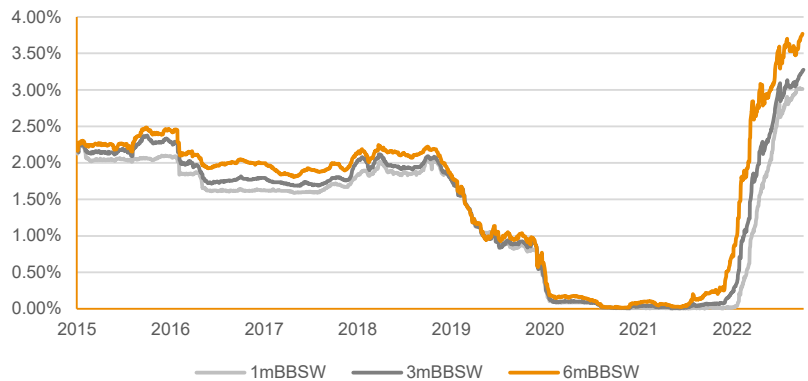
Source: BondAdviser, Bloomberg. As at 31 December 2022.

Figure 31. 3m OIS Spreads



Source: BondAdviser, Bloomberg. As at 31 December 2022.

Figure 32. Bank Bill Swap Rates



Source: BondAdviser, Bloomberg. As at 31 December 2022.

Listed Data Tracker (as at 31 December 2022)

Description					Valuation				Income							Change in Trading Margin				Risk	
Ticker	Issue Size	Expected Maturity	Term	Sector	Last Price	Accrued	YTM	Trading Margin	Fixed/Floating	Interest Margin	Frequency	Current Rate	Cash Payment	Ex-Date	Payment Date	1 month	3 months	6 months	12 months	Mod. Dur.	Credit Duration
Additional Tier 1 (AT1) Hybrids																					
Big Four Banks																					
AN3PF	970	24/03/2023	0.2	Banks	102.9	1.851	2.41%	-0.84%	Floating	3.60%	Semi-Annual	4.98%	\$2.44	9/03/2023	24/03/2023	-2.24%	-1.40%	-2.20%	-1.55%	0.23	0.23
AN3PG	1,622	20/03/2024	1.2	Banks	104.5	0.217	5.17%	1.06%	Floating	4.70%	Quarterly	5.54%	\$1.36	27/02/2023	20/03/2023	-1.00%	0.25%	-1.69%	-0.57%	0.24	1.16
AN3PH	931	20/03/2025	2.2	Banks	105.0	0.192	5.70%	1.48%	Floating	3.80%	Quarterly	4.90%	\$1.21	9/03/2023	20/03/2023	-0.65%	-0.20%	-1.42%	-0.21%	0.26	2.03
AN3PI	1,500	20/03/2028	5.2	Banks	103.6	0.170	6.48%	2.23%	Floating	3.00%	Quarterly	4.35%	\$1.07	9/03/2023	20/03/2023	-0.55%	-0.45%	-1.06%	-0.01%	0.29	4.34
AN3PJ	1,310	20/03/2029	6.2	Banks	101.8	0.162	6.70%	2.39%	Floating	2.70%	Quarterly	4.14%	\$1.02	9/03/2023	20/03/2023	-0.43%	-0.40%	-1.14%	-	0.26	5.02
CBAPG	1,365	15/04/2025	2.3	Banks	104.6	0.270	5.51%	1.30%	Floating	3.40%	Quarterly	4.60%	\$1.13	2/03/2023	15/03/2023	-0.92%	-0.50%	-1.50%	-0.40%	0.25	2.03
CBAPH	1,590	26/04/2024	1.3	Banks	104.1	0.282	4.52%	0.39%	Floating	3.70%	Quarterly	4.81%	\$1.19	2/03/2023	15/03/2023	-1.37%	-0.28%	-2.09%	-1.18%	0.22	1.15
CBAPI	1,650	20/04/2027	4.3	Banks	104.0	0.253	6.21%	2.02%	Floating	3.00%	Quarterly	4.32%	\$1.06	2/03/2023	15/03/2023	-0.65%	-0.40%	-1.06%	-0.08%	0.27	3.69
CBAPJ	1,180	20/10/2026	3.8	Banks	102.6	0.243	6.22%	2.05%	Floating	2.75%	Quarterly	4.14%	\$1.02	2/03/2023	15/03/2023	-0.70%	-0.54%	-1.20%	-0.11%	0.24	3.33
CBAPK	1,750	15/06/2029	6.5	Banks	102.3	0.243	6.69%	2.36%	Floating	2.75%	Quarterly	4.14%	\$1.02	2/03/2023	15/03/2023	-0.53%	-0.43%	-1.17%	-	0.26	5.17
CBAPL	1,777	15/06/2028	5.5	Banks	102.6	0.727	6.69%	2.42%	Floating	2.85%	Quarterly	4.13%	\$1.36	6/03/2023	15/03/2023	-0.34%	-	-	-	0.25	4.49
NABPF	1,874	17/06/2026	3.5	Banks	107.3	0.217	5.89%	1.71%	Floating	4.00%	Quarterly	5.03%	\$1.21	3/03/2023	17/03/2023	-0.86%	-0.47%	-1.37%	-0.38%	0.31	3.02
NABPH	2,386	17/12/2027	5.0	Banks	105.2	0.202	6.56%	2.33%	Floating	3.50%	Quarterly	3.31%	\$0.83	8/12/2027	17/12/2027	-0.56%	-0.47%	-1.11%	0.08%	0.31	4.12
NABPI	2,000	17/12/2029	7.0	Banks	103.8	0.191	6.86%	2.49%	Floating	3.15%	Quarterly	4.45%	\$1.07	2/03/2023	17/03/2023	-0.33%	-0.52%	-	-	0.32	5.42
WBCPH	1,690	22/09/2025	2.7	Banks	103.9	0.140	5.88%	1.69%	Floating	3.20%	Quarterly	4.49%	\$1.11	9/03/2023	22/03/2023	-0.54%	-0.35%	-1.38%	-0.25%	0.27	2.46
WBCPI	1,423	31/07/2024	0.2	Banks	102.9	1.851	2.41%	-0.84%	Floating	3.60%	Semi-Annual	4.98%	\$2.44	9/03/2023	24/03/2023	-2.24%	-1.40%	-2.20%	-1.55%	0.23	0.23
WBCPJ	1,723	22/03/2027	1.2	Banks	104.5	0.217	5.17%	1.06%	Floating	4.70%	Quarterly	5.54%	\$1.36	27/02/2023	20/03/2023	-1.00%	0.25%	-1.69%	-0.57%	0.24	1.16
WBCPK	1,750	21/09/2029	2.2	Banks	105.0	0.192	5.70%	1.48%	Floating	3.80%	Quarterly	4.90%	\$1.21	9/03/2023	20/03/2023	-0.65%	-0.20%	-1.42%	-0.21%	0.26	2.03
WBCPL	1,509	22/09/2028	5.2	Banks	103.6	0.170	6.48%	2.23%	Floating	3.00%	Quarterly	4.35%	\$1.07	9/03/2023	20/03/2023	-0.55%	-0.45%	-1.06%	-0.01%	0.29	4.34

Listed Data Tracker (as at 31 December 2022)

Description					Valuation				Income							Change in Trading Margin				Risk	
Ticker	Issue Size	Expected Maturity	Term	Sector	Last Price	Accrued	YTM	Trading Margin	Fixed/Floating	Interest Margin	Frequency	Current Rate	Cash Payment	Ex-Date	Payment Date	1 month	3 months	6 months	12 months	Mod. Dur.	Credit Duration
Additional Tier 1 (AT1) Hybrids																					
Other Financials																					
AMPPB	275	16/12/2025	3.0	Diversified Financials	105.0	0.295	6.91%	2.72%	Floating	4.50%	Quarterly	5.91%	\$1.46	2/03/2023	16/03/2023	-0.85%	-1.17%	-2.20%	-1.22%	0.27	2.60
BENPG	322	13/06/2024	1.4	Banks	103.2	0.325	5.82%	1.68%	Floating	3.75%	Quarterly	4.83%	\$1.20	28/02/2023	14/03/2023	-0.84%	-0.46%	-1.97%	-0.12%	0.22	1.36
BENPH	502	15/06/2027	4.4	Banks	104.6	0.286	6.87%	2.67%	Floating	3.80%	Quarterly	4.88%	\$1.20	24/02/2023	15/03/2023	-0.59%	-0.43%	-1.20%	0.18%	0.29	3.74
BOQPE	350	15/08/2024	1.6	Banks	103.6	0.838	6.11%	1.95%	Floating	3.75%	Quarterly	4.76%	\$1.20	30/01/2023	15/02/2023	-0.57%	-0.28%	-1.57%	0.09%	0.15	1.51
BOQPF	260	14/05/2027	4.4	Banks	105.4	0.863	6.79%	2.59%	Floating	3.80%	Quarterly	4.79%	\$1.21	30/01/2023	15/02/2023	-0.68%	-0.37%	-1.26%	-0.20%	0.21	3.67
BOQPG	400	15/12/2028	6.0	Banks	103.0	0.828	7.25%	2.95%	Floating	3.40%	Quarterly	4.60%	\$1.52	24/02/2023	15/03/2023	-0.35%	-	-	-	0.26	4.74
CGFPB	460	22/05/2023	0.4	Diversified Financials	102.3	0.779	4.08%	0.54%	Floating	4.40%	Quarterly	5.23%	\$1.32	13/02/2023	22/02/2023	-1.75%	-0.76%	-4.27%	-1.81%	0.15	0.39
CGFPC	385	25/05/2026	3.4	Diversified Financials	105.1	0.739	7.33%	3.15%	Floating	4.60%	Quarterly	5.39%	\$1.39	16/02/2023	27/02/2023	-0.39%	-0.13%	-0.65%	0.00%	0.23	2.93
IAGPD	404	15/06/2023	0.4	Insurance	102.3	0.323	4.05%	0.37%	Floating	4.70%	Quarterly	5.51%	\$1.36	2/03/2023	15/03/2023	-2.48%	-0.66%	-2.63%	-1.62%	0.21	0.45
IAGPE	500	15/06/2029	6.4	Insurance	101.5	0.147	7.58%	3.24%	Floating	3.50%	Quarterly	5.16%	\$1.17	2/03/2023	15/03/2023	-	-	-	-	0.24	5.05
MBLPC	641	22/12/2025	3.0	Banks	107.8	0.195	6.09%	1.90%	Floating	4.70%	Quarterly	6.75%	\$1.67	9/03/2023	21/03/2023	-0.64%	-0.44%	-1.48%	-0.57%	0.31	2.62
MBLPD	655	07/09/2028	5.7	Banks	102.8	0.379	6.66%	2.38%	Floating	2.90%	Quarterly	5.14%	\$1.27	17/02/2023	7/03/2023	-0.34%	-0.58%	-1.13%	-0.35%	0.24	4.65
MQGPC	1,000	16/12/2024	2.0	Diversified Financials	105.3	0.276	5.50%	1.28%	Floating	4.00%	Quarterly	6.14%	\$1.51	2/03/2023	16/03/2023	-0.47%	-0.56%	-1.58%	-0.85%	0.25	1.81
MQGPD	905	10/09/2026	3.7	Diversified Financials	107.1	0.360	6.26%	2.09%	Floating	4.15%	Quarterly	6.23%	\$1.50	1/03/2023	10/03/2023	-0.41%	-0.69%	-1.27%	-0.03%	0.30	3.18
MQGPE	725	18/09/2027	4.7	Diversified Financials	103.8	0.184	6.23%	2.01%	Floating	2.90%	Quarterly	5.21%	\$1.30	7/03/2023	20/03/2023	-0.93%	-0.98%	-1.57%	-0.39%	0.29	4.00
MQGPF	750	12/09/2029	6.7	Diversified Financials	105.1	0.337	7.15%	2.80%	Floating	3.70%	Quarterly	5.84%	\$1.46	23/02/2023	13/03/2023	-0.31%	-0.48%	-	-	0.33	5.19
SUNPG	375	17/06/2024	1.5	Insurance	107.5	0.206	2.73%	-1.42%	Floating	3.65%	Quarterly	4.79%	\$1.15	3/03/2023	17/03/2023	-3.41%	-3.40%	-4.40%	-3.19%	0.25	1.39
SUNPH	389	17/06/2026	3.5	Insurance	104.5	0.187	5.80%	1.62%	Floating	3.00%	Quarterly	4.34%	\$1.05	3/03/2023	17/03/2023	-1.19%	-0.63%	-1.72%	-0.67%	0.27	3.06
SUNPI	405	19/06/2028	5.5	Insurance	101.0	0.184	6.98%	2.72%	Floating	2.90%	Quarterly	4.27%	\$1.03	3/03/2023	17/03/2023	-0.53%	-0.23%	-0.95%	0.00%	0.23	4.50

Listed Data Tracker (as at 31 December 2022)

Description					Valuation				Income							Change in Trading Margin				Risk	
Ticker	Issue Size	Expected Maturity	Term	Sector	Last Price	Accrued	YTM	Trading Margin	Fixed/Floating	Interest Margin	Frequency	Current Rate	Cash Payment	Ex-Date	Payment Date	1 month	3 months	6 months	12 months	Mod. Dur.	Credit Duration
Tier 2 Bonds																					
Major Banks																					
NABPE	943	20/09/2023	0.7	Banks	101.2	0.148	4.60%	0.70%	Floating	2.20%	Quarterly	5.41%	\$1.33	27/02/2023	20/03/2023	-0.47%	-0.03%	-1.19%	-1.19%	0.22	0.70
Corporate Hybrids																					
LFSPA	150	27/10/2026	3.8	Diversified Financials	95.30	1.4	10.88%	6.71%	Floating	4.75%	Quarterly	5.46%	\$1.38	18/01/2023	27/01/2023	0.32%	0.99%	-0.25%	-0.25%	-	-
NFNG	251	Perpetual	-	Chemicals	92.00	1.5	9.41%	4.79%	Floating	3.90%	Semi-Annual	7.37%	\$3.68	5/04/2023	17/04/2023	-0.21%	-0.59%	-0.48%	-0.48%	-	-
RHCPA	260	Perpetual	-	Health Care	105.26	1.6	9.14%	4.52%	Floating	4.85%	Semi-Annual	5.88%	\$2.93	29/03/2023	20/04/2023	-0.05%	-0.02%	-0.43%	-0.43%	-	-
Listed Bonds / Convertibles / Preference Equity																					
AYUHC	115	15/12/2024	2.0	Diversified Financials	100.58	1.0	6.49%	2.27%	Floating	2.00%	Quarterly	4.93%	\$1.27	5/01/2023	16/01/2023	-0.09%	-0.14%	-0.47%	-0.47%	0.04	1.67
AYUHD	207	15/12/2026	4.0	Diversified Financials	100.00	1.1	6.64%	2.47%	Floating	2.15%	Quarterly	5.08%	\$1.31	5/01/2023	16/01/2023	-0.15%	-0.36%	-1.69%	-1.69%	0.03	3.31
AYUPA	343	Perpetual	-	Diversified Financials	89.50	1.5	8.11%	3.49%	Fixed	7.14%	Semi-Annual	5.00%	\$2.50	23/03/2023	15/04/2023	-0.62%	-0.43%	-1.06%	-1.06%	-	-
CVCG	60	22/06/2023	0.5	Diversified Financials	100.20	-0.1	6.39%	2.68%	Floating	3.75%	Quarterly	6.78%	\$1.69	21/12/2022	30/12/2022	-1.76%	-2.51%	-2.45%	-2.45%	0.01	0.26
NCCGA	23	30/08/2026	3.7	Diversified Financials	85.25	1.1	9.64%	5.44%	Fixed	4.50%	Semi-Annual	4.50%	\$2.25	20/09/2023	29/09/2023	-0.28%	1.21%	1.54%	1.54%	3.26	3.26
QUBHA	305	5/10/2023	0.8	Industrials	102.79	-0.1	3.96%	0.03%	Floating	3.90%	Quarterly	6.75%	\$1.70	22/12/2022	5/01/2023	-2.79%	-0.74%	-1.76%	-1.76%	0.03	0.75
C2FHA	199	20/04/2022	3.3	Real Estate	100.99	1.4	8.58%	4.39%	Floating	4.25%	Quarterly	7.25%	\$1.83	11/01/2023	20/01/2023	0.04%	-0.36%	-1.36%	-1.36%	0.05	2.82

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