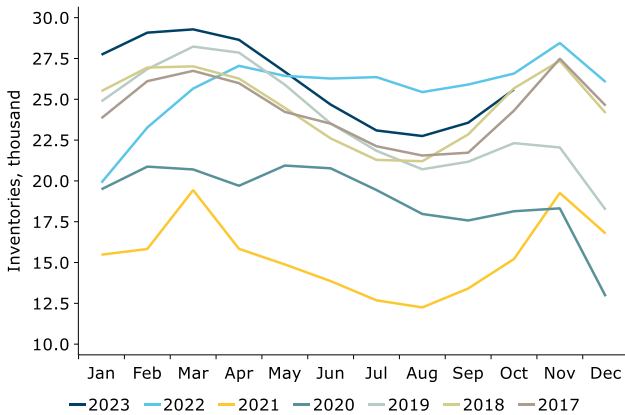


New Zealand Property Focus

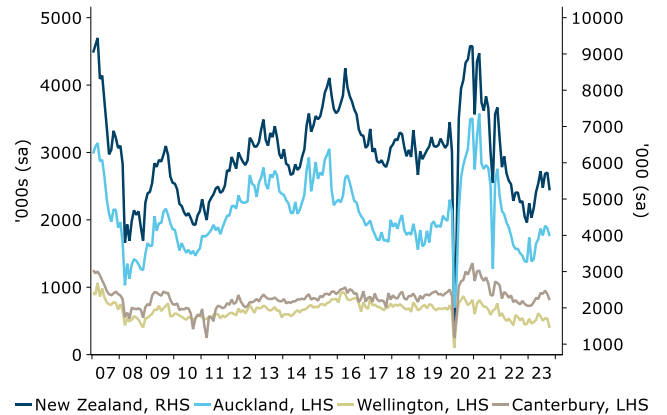
A spring chill



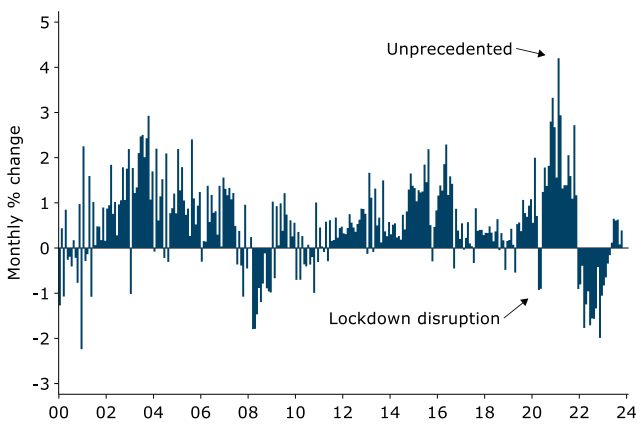
Inventories are piling up.....



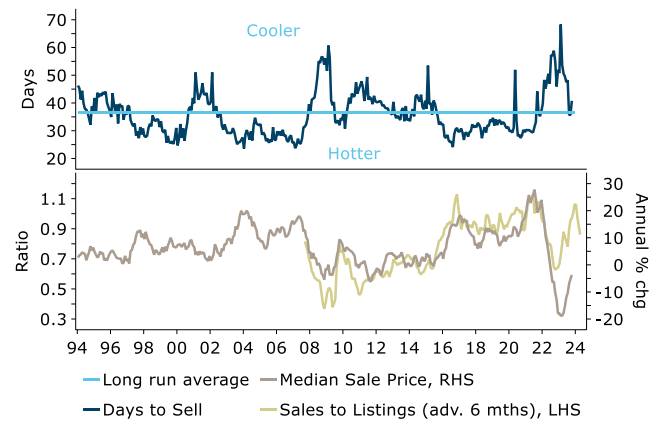
...and sales have dipped recently



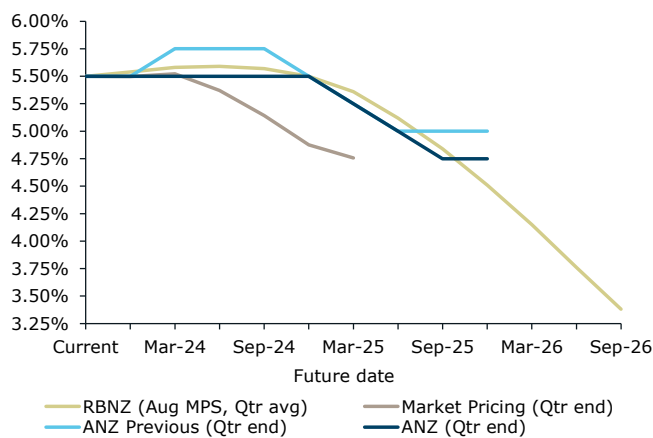
House prices are struggling to get momentum, perhaps due to the election...



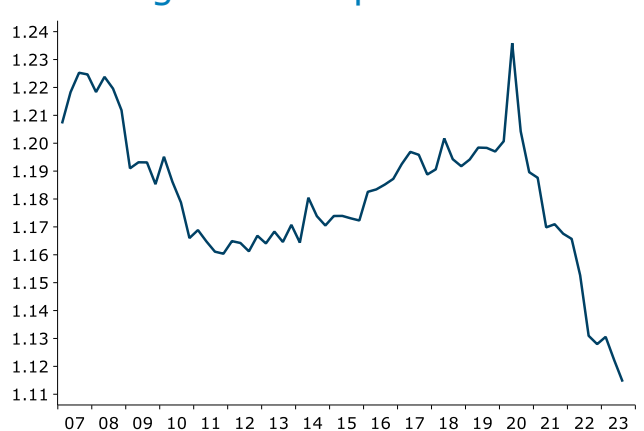
...and the Wellington market is sluggish, perhaps due to expected public service cuts



The OCR has probably peaked, but there's still a risk of more hikes



Rental affordability is improving as income growth outpaces rent rises



Source: REINZ, Stats NZ, RBNZ, Macrobond, ANZ Research

This is not personal advice nor financial advice about any product or service. The opinions and research contained in this document are provided for information only, are intended to be general in nature and do not take into account your financial situation or goals. Please refer to the [Important Notice](#).



Contact

Sharon Zollner,
Andre Castaing, or
David Croy for more
details.

See [page 13](#)

INSIDE

At a glance	2
Housing Market Overview	4
Regional Housing Market Indicators	7
Mortgage Borrowing Strategy	11
Weekly Mortgage Repayment Table	12
Mortgage Rate Forecasts	12
Economic Forecasts	12
Important Notice	14

ISSN 2624-0629

Publication date: 28 November 2023

Summary

Our monthly *Property Focus* publication provides an independent appraisal of recent developments in the residential property market.

Property Focus

House prices rose in October, with the REINZ house price index rising 0.4% m/m (ANZ seasonal adjustment), a touch weaker than we expected (figure 1). It's not just house prices that were on the weaker side this month; the forward indicators of sales and new listings showed that there's perhaps some further softness to come. Accounting for the starting point surprise, and adding a little more election inertia into our near-term view, we have revised down our 2023 house price forecast and now expect house prices to fall 0.4% in 2023 (3-month moving average), versus a 0.2% rise previously. If momentum doesn't recover after the election-related dust has settled, our 2024 forecast is on thin ice for a downgrade too (we'll get our first post-election read in December). This month we changed our Official Cash rate forecast and now expect the next move on the OCR to be lower, albeit with cuts one quarter later than previously (Q1 2025). However, insofar as markets anticipate cuts, fixed mortgage rates are likely to fall before then. See the [Property Focus](#) section.

Mortgage Borrowing Strategy

Average fixed mortgage rates are little changed this month, but the changes that have been seen have all been very small increases. This has likely been catch-up in the wake of significant rises in wholesale rates throughout the year. But wholesale rates now look to have peaked, with financial markets now coming to the view that the RBNZ is done tightening, and the next move will be a cut. Whether wholesale interest rates have fallen enough for fixed mortgage rates to fall remains to be seen, but unless we see a sharp turnaround in wholesale rates, there is a good chance that mortgage rates have peaked. While we do think that markets have gotten a bit ahead of themselves, that's what they tend to do late in the cycle, and that isn't likely to change much even if the RBNZ (and other global central banks) continue to warn that cuts are likely to be some way off. Choosing the right fixing strategy at turning points is tricky, but signs that inflation is easing, and the economy is rolling over may give borrowers who fix for a shorter period some comfort that mortgage rates will be lower when they go to re-fix when their current fixed term ends. See our [Mortgage Borrowing Strategy](#).



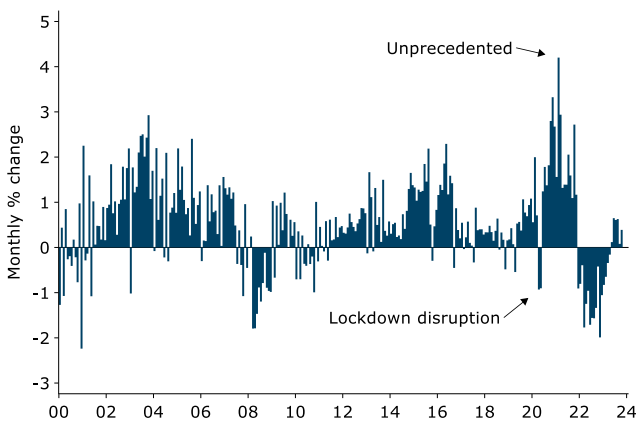
Summary

House prices rose in October, with the REINZ house price index rising 0.4% m/m (ANZ seasonal adjustment), a touch weaker than we expected (figure 1). It's not just house prices that were on the weaker side this month; the forward indicators of sales and new listings showed that there's perhaps some further softness to come. Accounting for the starting point surprise, and adding a little more election inertia into our near-term view, we have revised down our 2023 house price forecast and now expect house prices to fall 0.4% in 2023 (3-month moving average), versus a 0.2% rise previously. If momentum doesn't recover after the election-related dust has settled, our 2024 forecast is on thin ice for a downgrade too (we'll get our first post-election read in December). This month we changed our Official Cash rate forecast and now expect the next move on the OCR to be lower, albeit with cuts one quarter later than previously (Q1 2025). However, insofar as markets anticipate cuts, fixed mortgage rates are likely to fall before then.

House prices rose in October, but the market cooled

House prices picked up in October, with the REINZ house price index rising 0.4% m/m (ANZ seasonal adjustment), a touch weaker than we expected (figure 1). The last two month's increases were below historical average increases, but nonetheless show that the housing market has managed to avoid recommencing its downward slide.

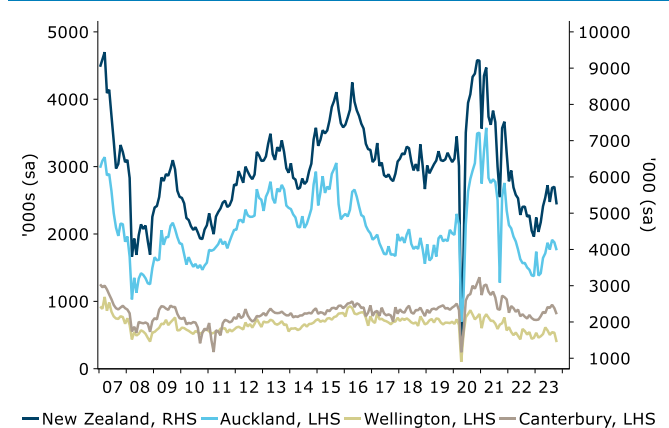
Figure 1. Monthly house price inflation



Source: REINZ, Macrobond, ANZ Research

It's not just house prices that were weaker than we expected this month; the forward indicators of sales and new listings showed that there's perhaps some further softness to come. House sales ticked down in October across all major markets (figure 2). House sales have a tendency to be volatile month-to-month, but we will be watching closely to see if this resumes 2022's trend of a weakening housing market, or whether it's just a hiatus awaiting policy certainty.

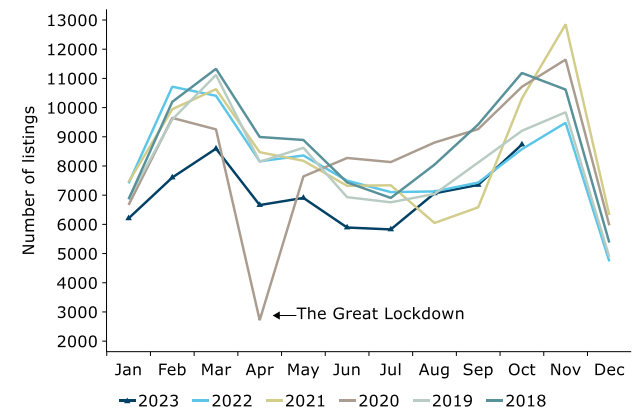
Figure 2. House sales



Source: REINZ, Macrobond, ANZ Research

Also indicating weakness ahead, new listings are (just) above year-ago levels for the first time this year (figure 3). All else equal, this extra supply will make it more difficult for house prices to rise meaningfully over the next few months.

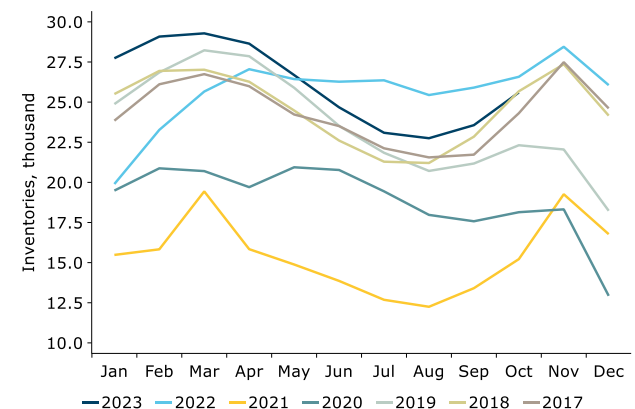
Figure 3. New listings by year



Source: REINZ, Macrobond, ANZ Research

This lift in listings is on top of an already large stock of inventories, which needs to decline before meaningful rises in house prices are likely (figure 4).

Figure 4. Inventories by year



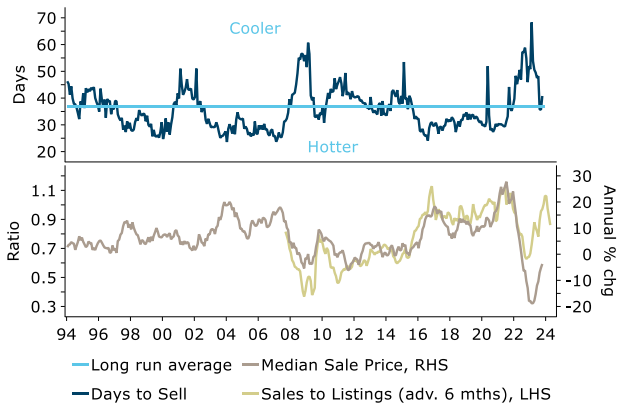
Source: REINZ, Macrobond, ANZ Research



Wellington woes

The Wellington housing market was especially weak in October, with house sales at multi-decade lows (excluding during COVID lockdown), house prices in the city declining 2.0% m/m, and days to sell rising 5 days from 36 to 41 (figure 5). The city's economy is highly reliant on demand from the public service. Some government ministries have already begun the process of downsizing to achieve the [outgoing government's 1-2% baseline cuts](#) across the public service, with others implementing hiring freezes. We suspect these are already having a negative effect on the Wellington housing market, with potentially more to come. The coalition [agreements](#) didn't outline specific targets for headcount reduction, but the direction was clear.

Figure 5. Wellington housing market tightness

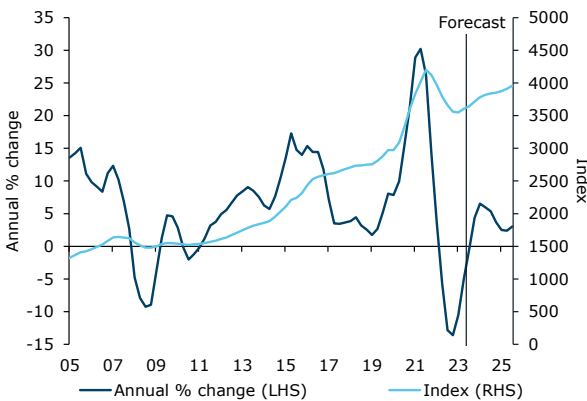


Source: REINZ, Stats NZ, Macrobond, ANZ Research

Forecast tweak

Nationally, house prices are still a long way below their peak. We're forecasting it'll take years to re-attain those levels (figure 6). The weakness in some of the forward-looking indicators and some technical seasonal adjustment factors (see [technical box](#)) have prompted us to make a small downwards revision to our outlook for November and December. We now expect house prices to fall 0.4% in 2023 (3-month moving average), versus a 0.2% rise previously.

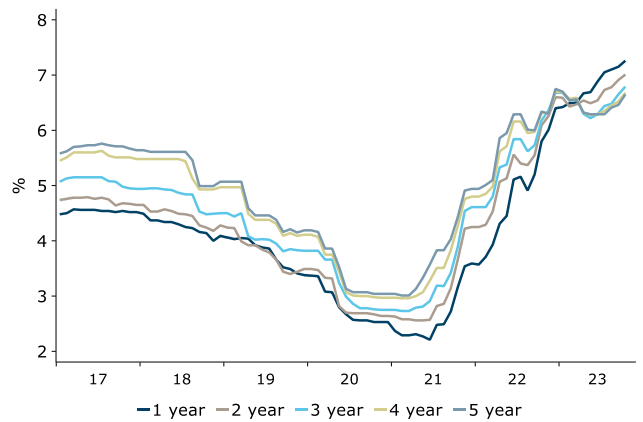
Figure 6. Our house price forecast



Source: REINZ, ANZ Research

We are waiting to see November's post-election REINZ data before making any more significant adjustments to our forecasts. It is difficult to separate election inertia from underlying housing market momentum in recent data. In the meantime, the risk is that house prices rise less than we currently expect in 2024, given recent modest further lifts in mortgage rates (figure 7), and the somewhat faster-than-expected labour market loosening. The faster-than-anticipated restoration of mortgage interest deductibility and other landlord-friendly policy changes agreed to by the new coalition Government are risks in the other direction, though difficult to quantify.

Figure 7. New mortgage interest rates



Source: RBNZ, ANZ Research

Since our [October Property Focus](#) we have had new [labour market data](#), with unemployment rising (figure 8) as tighter monetary policy cools demand and raises unemployment. Decreased job security is likely to make would-be first home buyers more nervous about taking the plunge. But there's also a feedback loop here. Sharply rising unemployment can negatively influence credit availability too, making the outlook all the more uncertain for credit providers.

Figure 8. New Zealand unemployment (sa)



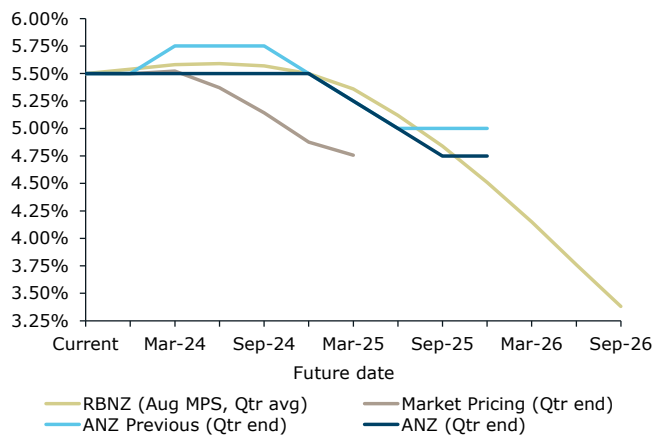
Source: Stats NZ, MBIE, Macrobond, ANZ Research



Mortgage rates have probably peaked, but are likely to remain high in 2024

The weaker-than-expected labour market was one of several reasons why we have [changed our Official Cash Rate \(OCR\) call](#) and no longer expect the Reserve Bank of New Zealand (RBNZ) to increase the OCR next year. We don't expect much relief for mortgage holders in 2024 insofar as we expect the RBNZ to keep the OCR on hold all year.

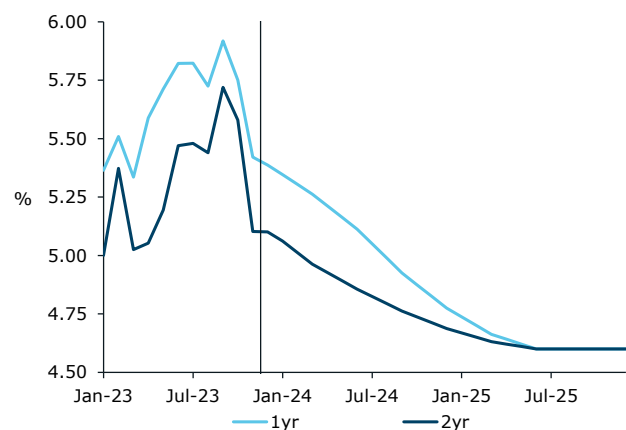
Figure 9. Our OCR forecast



Source: RBNZ, Bloomberg, Macrobond, ANZ Research

Consistent with our OCR forecast change, we have changed our forecasts for the wholesale rates that underpin mortgage rates, expecting them to peak at a lower level, but remain high for longer (figure 10). While a lower peak is good news, later cuts, all else equal, are likely to keep the housing market somewhat sluggish into 2025 by constraining prospective first-home buyers' and investors' borrowing power. That said, financial markets make up their own minds about what they think is going to happen, and to the extent they anticipate sharp or imminent cuts, that could put downward pressure on fixed mortgage rates for a time – whether the RBNZ actually delivers or not.

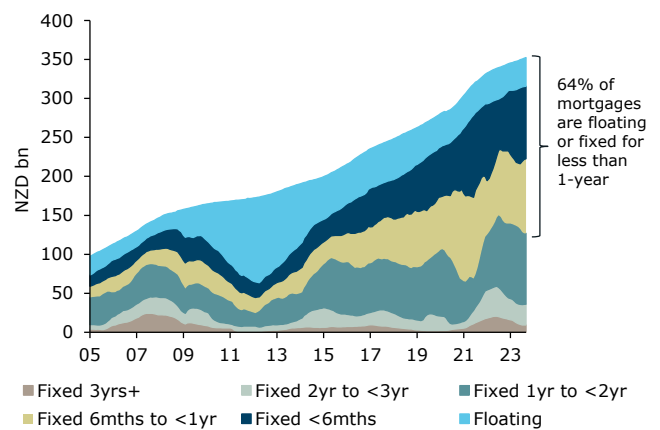
Figure 10. Wholesale interest rate forecasts for main mortgage tenors



Source: Bloomberg, ANZ Research

A majority of mortgage holders have a refinancing coming up in the next year (figure 11). If market expectations for cuts strengthen from here, wholesale rates and therefore retail mortgage rates may be lower when that date comes. But of course if the inflation news turns worse again and market expectations evolve to price later cuts or even a chance of more hikes, wholesale rates could increase again. And mortgage rates depend not only on wholesale rates but also global funding costs. But whatever happens, many of these homeowners will be rolling onto a much higher rate than they were on before.

Figure 11. NZ mortgages by time to re-fix

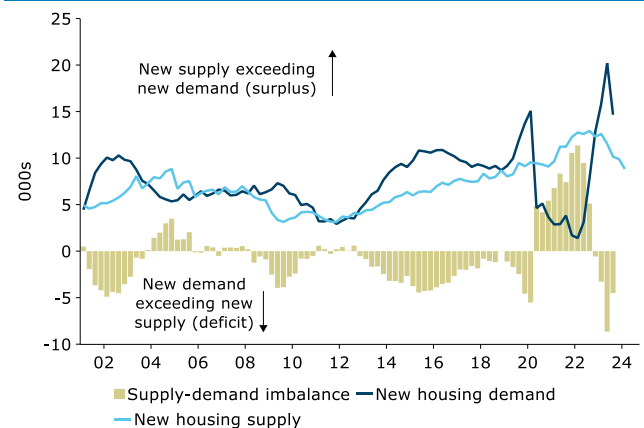


Source: RBNZ, ANZ Research

Affordability has improved somewhat

Despite recent weakness in the housing market, the fundamental balance of population growth versus new building is in dire territory. The adult population continues to grow considerably faster than we can build houses for it, due to record inbound migration and New Zealand's healthy net birth rate in the early 2000s. After making significant progress reducing our housing shortage while the border was closed, we are now expanding our housing deficit at a rapid clip, somewhat faster than pre-pandemic (figure 12).

Figure 12. Net change in housing supply

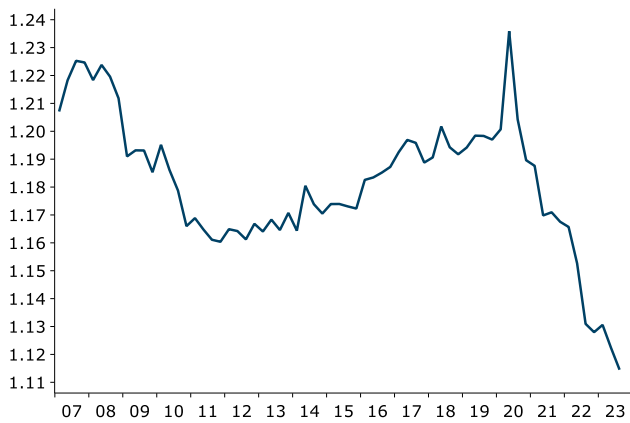


Source: Stats NZ, Macrobond, ANZ Research



However, it's not all bad news for people looking for somewhere to live. Incomes have been rising faster than nationwide rents in recent months (figure 13), as business owners compete to retain and attract staff in a stretched labour market. While inflation remains high, we expect employers to factor in the rising cost of living into wage settlements to some degree, allowing renters to continue to expand their proportion of income available to spend on other things, but this dynamic will moderate as the labour market cools. Some coalition Government policies will also reduce costs for landlords and may reduce upward pressure on rents via that channel. However, strong population growth via unprecedented net migration is a solid upside risk for rents, particularly in Auckland.

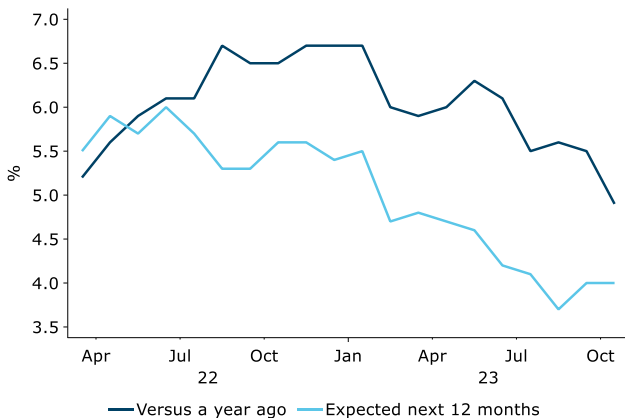
Figure 13. Rents relative to hourly earnings



Source: Stats NZ, Macrobond, ANZ Research

In the second half of next year, as the economy cools and inflation falls, we expect smaller wage rises. That is certainly what businesses are expecting (figure 14).

Figure 14. Reported actual and expected wage increases

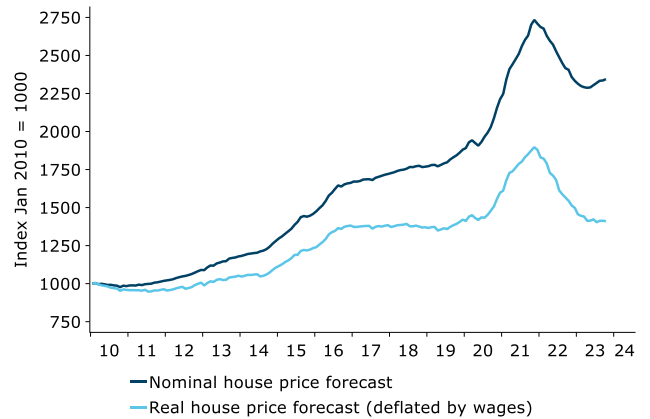


Source: Macrobond, ANZ Research

Potentially this could lead to a resumption of the upward trend in rents as a share of incomes, particularly if we continue to build at a snail's pace compared to population growth.

It's a similar story for homeowners, with houses now back to their pre-pandemic levels of affordability (relative to incomes). However, we certainly wouldn't characterise house prices as 'affordable', especially given serviceability constraints. But strong wage growth has provided a material offset for some and we've undone the damage done to housing affordability during the COVID period (figure 15).

Figure 15. House prices deflated by wages



Source: REINZ, Stats NZ, Macrobond, ANZ Research

And that's been achieved with very little blood on the floor and a very modest proportion of buyers put into negative equity compared to if house price falls had done all the work with income growth steady. That's the dirty little secret of high inflation – it does grease the wheels of relative price adjustments, and an adjustment in house prices relative to wages was most certainly needed.



Housing market indicators for October 2023 (based on REINZ data seasonally adjusted by ANZ Research)

	Median house price			House price index		Sales		Average days to sell
	Level	Annual % change	3-mth % change	Annual % change	3-mth % change	# of monthly sales	Monthly % change	
Northland	\$682,279	-6.9	0.1	-7.7	-1.1	155	-7%	64
Auckland	\$1,020,046	-3.8	1.7	-2.6	1.6	1,759	-6%	38
Waikato	\$750,560	-4.5	1.0	-4.5	0.8	490	-5%	43
Bay of Plenty	\$822,299	-1.3	-1.0	-1.7	0.3	301	-12%	43
Gisborne	\$584,812	-3.6	5.1	-3.4	1.1	24	-30%	55
Hawke's Bay	\$681,073	-3.9	0.3	-3.4	1.1	173	-1%	43
Manawatu-Whanganui	\$526,080	-5.0	-2.4	-3.4	1.3	221	-24%	43
Taranaki	\$568,593	-2.6	-0.4	-1.9	0.0	134	-8%	48
Wellington	\$780,373	-4.7	0.9	-3.4	2.0	395	-26%	41
Tasman, Nelson & Marlborough	\$723,899	-8.6	2.0			147	-31%	56
Canterbury	\$676,394	3.3	1.5	0.2	1.3	809	-10%	34
Otago	\$657,245	-0.7	-6.0	0.2	2.3	331	+3%	43
West Coast	\$346,561	2.2	-3.5	-3.3	0.5	37	-1%	51
Southland	\$433,291	2.4	1.5	-1.6	2.1	128	-7%	51
New Zealand	\$785,596	-2.9	0.6	-2.6	1.4	5,241	-8%	40

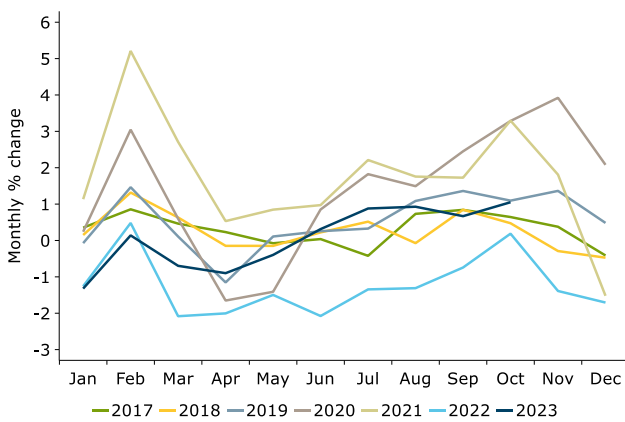


Seasonal surprises

Our estimate that seasonally adjusted house prices rose 0.4% in October differs from the estimates of some other institutions. For example, the New Zealand Treasury¹ estimate that house prices fell 0.4% m/m. So what's going on? The following section provides a technical explanation of the intricacies of seasonal adjustment for interested readers.

House prices have a seasonal pattern: they tend to rise more in summer (Christmas disruption aside) than they do in the winter (figure 16).

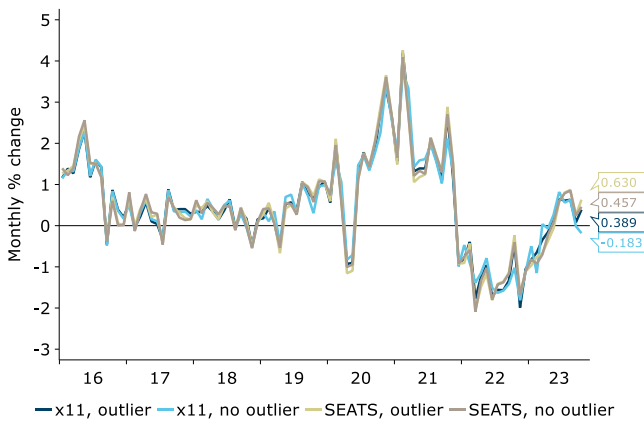
Figure 16. Monthly changes in New Zealand house prices



Source: REINZ, Macrobond, ANZ Research

There are two widely used seasonal adjustment methods: the moving average x11 method and the ARIMA (Autoregressive Integrated Moving Average) model-based SEATS (Signal Extraction ARIMA seasonal adjustment). Each method has the choice to treat for outliers, resulting in a total of four options (figure 17). We use the x11 method and treat for outliers, which is common practice.

Figure 17. Different seasonal adjustment methodologies



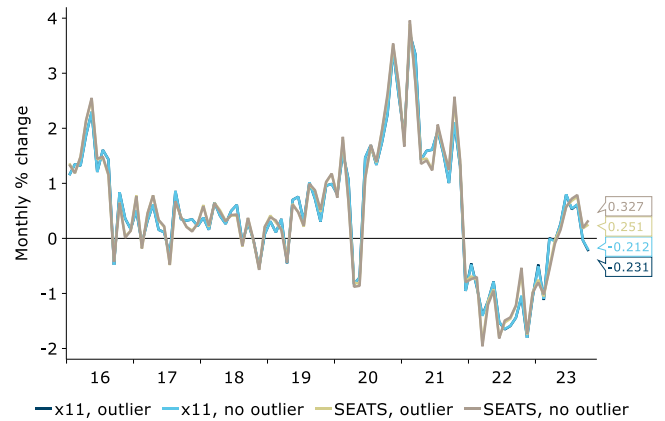
Source: REINZ, Macrobond, ANZ Research

¹ Fortnightly Economic Update - 17 November 2023

While all options do a good job of extracting the signal from the seasonal noise, they can result in quite different estimates for the change in house prices in any given month, such as this October. In recent estimates, removing outliers reduces volatility.

Treating for outliers in the x11 methodology changes the seasonally adjusted m/m estimate from -0.2% to 0.4%. Further investigation reveals this is mainly due to the impact of the data from the period prior to 2000, which features a reasonably large outlier of unusually weak house prices in October 1999. Investigation reveals that it is indeed the choice of whether to treat for outliers that makes the difference rather than the choice of method: the SEATS method produces a similar result to x11.

Figure 18. Different seasonal adjustment methodologies using data from 2000 onwards



Source: REINZ, Macrobond, ANZ Research

These are only four different approaches among a myriad of options available when adjusting data for seasonality. Others may select a different seasonal adjustment approach and results may differ, explaining some of the different numbers you may see reported in media.

Over the whole year, it comes out in the wash: each method averages out to the almost identical annual percentage changes, but they can result in differences in monthly or quarterly analysis. In our Property Focus we look at a range of measures so we don't get too caught up in month-to-month volatility. This enables us to produce forecasts and analysis that take into account the big picture.



Mortgage borrowing strategy

This is not financial advice about any product or service. The opinions and research contained in this document are provided for information only, are intended to be general in nature and do not take into account your financial situation or goals. Please refer to the Important Notice.

Summary

Average fixed mortgage rates are little changed this month, but the changes that have been seen have all been very small increases. This has likely been catch-up in the wake of significant rises in wholesale rates throughout the year. But wholesale rates now look to have peaked, with financial markets now coming to the view that the RBNZ is done tightening, and the next move will be a cut. Whether wholesale interest rates have fallen enough for fixed mortgage rates to fall remains to be seen, but unless we see a sharp turnaround in wholesale rates, there is a good chance that mortgage rates have peaked. While we do think that markets have gotten a bit ahead of themselves, that's what they tend to do late in the cycle, and that isn't likely to change much even if the RBNZ (and other global central banks) continue to warn that cuts are likely to be some way off. Choosing the right fixing strategy at turning points is tricky, but signs that inflation is easing, and the economy is rolling over may give borrowers who fix for a shorter period some comfort that mortgage rates will be lower when they go to re-fix when their current fixed term ends.

Fixed mortgage rates have barely changed over the past month, but the changes that have been seen have all been small increases. Many of those tweaks occurred before the recent fall in wholesale interest rates, and it is possible that we see mortgage rates come down in time if wholesale rates remain low or go lower over the summer. This month's RBNZ Monetary Policy Statement will be crucial in that regard, and that'll set the tone. As we noted in our [Preview](#), we expect a pause, so a sudden rise in interest rates seems unlikely. However, we're not confident that they'll go so far as to condone the recent dramatic shift on financial market expectations, with markets now pricing in 25bp of OCR cuts by August and a further 31bp (ie. 56bp in total) by next November.

That said, markets generally have a tendency to outrun the RBNZ once it thinks the top is in, so the RBNZ would have to be very 'hawkish' (aggressive about inflation risks) if it wanted to drive wholesale rates higher, and they probably don't have enough justification to ratchet up the rhetoric given the recent data has suggested easing inflation risks (and markets probably wouldn't believe them!).

On that score, recent data has led us to revise our OCR forecasts, which no longer envisage another hike this cycle. We're not guaranteeing that the RBNZ won't tighten again – they could if the economy re-

accelerates. But although they aren't out of the proverbial woods yet, the tempo of recent data has started to go their way in the battle against inflation, and we now think they'll spend much of 2024 on hold, which suggests a good chance that mortgage rates have now peaked. We are forecasting the first cut in November 2024, but that's a year away, and in the meantime, we are likely to see volatility, as market expectations for OCR cuts ebb and flow.

So, the big picture is one of mortgage rates probably having peaked but meaningful cuts probably a bit further down the track than markets currently expect. What is one to do in that situation? At a high level, it is likely to make people more comfortable choosing a shorter fixed term, but as always, we think breakeven analysis is a good place to start. Let's compare, for example, fixing for 1 year versus fixing for 2 or 3 years, noting that if you fix for 1 year, you'll need to roll that fix when it matures. As our table shows, the 1yr rate needs to fall from its current rate of 7.40% to 6.70% in a year's time (and then fall to 6.42% in 2 years' time) for back-to-back 1-year fixes to be cheaper than fixing for 2 years at 7.05% (or 3 years at 6.84%). That's close to (if anything a bit above) what our projections have mortgage rates going, suggesting all are valid strategies. A mixture of them would spread roll-over risk, which has real value. Finally, we'd note that fixing for 6 months is a good, cheaper alternative to floating, as they tend to move together.

Figure 1. Carded special mortgage rates[^]

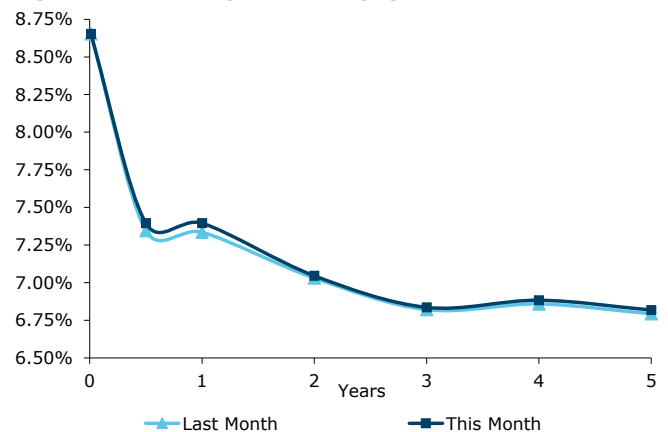


Table 1. Special Mortgage Rates[#]

Term	Breakevens for 20%+ equity borrowers				
	Current	in 6mths	in 1yr	in 18mths	in 2 yrs
Floating	8.65%				
6 months	7.40%	7.39%	6.69%	6.70%	6.52%
1 year	7.40%	7.04%	6.70%	6.61%	6.42%
2 years	7.05%	6.83%	6.56%	6.63%	6.72%
3 years	6.84%	6.77%	6.71%	6.70%	6.67%
4 years	6.88%	6.78%	6.67%		
5 years	6.82%	#Average of "big four" banks			

Source: interest.co.nz, ANZ Research.



Key forecasts

Weekly mortgage repayments table (based on 30-year term)

	Mortgage Rate (%)													
	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75
200	262	269	277	284	292	299	307	315	323	330	338	347	355	363
250	327	336	346	355	364	374	384	393	403	413	423	433	443	454
300	393	404	415	426	437	449	460	472	484	496	508	520	532	544
350	458	471	484	497	510	524	537	551	564	578	592	606	621	635
400	524	538	553	568	583	598	614	629	645	661	677	693	709	726
450	589	606	622	639	656	673	690	708	726	744	762	780	798	816
500	655	673	691	710	729	748	767	787	806	826	846	866	887	907
550	720	740	760	781	802	823	844	865	887	909	931	953	975	998
600	786	807	830	852	875	897	921	944	968	991	1,015	1,040	1,064	1,089
650	851	875	899	923	947	972	997	1,023	1,048	1,074	1,100	1,126	1,153	1,179
700	917	942	968	994	1,020	1,047	1,074	1,101	1,129	1,157	1,185	1,213	1,241	1,270
750	982	1,009	1,037	1,065	1,093	1,122	1,151	1,180	1,209	1,239	1,269	1,299	1,330	1,361
800	1,048	1,077	1,106	1,136	1,166	1,197	1,227	1,259	1,290	1,322	1,354	1,386	1,419	1,452
850	1,113	1,144	1,175	1,207	1,239	1,271	1,304	1,337	1,371	1,404	1,438	1,473	1,507	1,542
900	1,178	1,211	1,244	1,278	1,312	1,346	1,381	1,416	1,451	1,487	1,523	1,559	1,596	1,633
950	1,244	1,278	1,313	1,349	1,385	1,421	1,458	1,495	1,532	1,570	1,608	1,646	1,685	1,724
1000	1,309	1,346	1,383	1,420	1,458	1,496	1,534	1,573	1,613	1,652	1,692	1,733	1,773	1,814

Mortgage rate projections (historic rates are special rates; projections based on ANZ's wholesale rate forecasts)

Interest rates	Actual			Projections							
	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25	
Floating Mortgage Rate	8.0	8.5	8.6	8.7	8.7	8.7	8.7	8.7	8.4	8.2	
1-Yr Fixed Mortgage Rate	6.5	6.9	7.2	7.3	7.1	6.9	6.7	6.6	6.5	6.4	
2-Yr Fixed Mortgage Rate	6.5	6.5	6.9	6.9	6.8	6.7	6.6	6.5	6.4	6.4	
3-Yr Fixed Mortgage Rate	6.6	6.3	6.7	6.8	6.7	6.6	6.5	6.5	6.5	6.4	
5-Yr Fixed Mortgage Rate	6.6	6.3	6.5	7.0	7.0	6.9	6.8	6.7	6.7	6.6	

Source: RBNZ, ANZ Research

Economic forecasts

Economic indicators	Actual			Forecasts							
	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	
GDP (Annual % Chg)	2.4	2.2	1.8	0.6	1.5	1.7	0.9	0.8	0.8	1.0	
CPI Inflation (Annual % Chg)	7.2	6.7	6.0	5.6(a)	4.8	4.1	3.7	2.8	2.5	2.4	
Unemployment Rate (%)	3.4	3.4	3.6	3.9(a)	4.3	4.7	4.9	5.0	5.1	5.2	
House Prices (Quarter % Chg)	-3.5	-2.7	-0.3	1.5(a)	1.1	1.9	1.8	1.0	0.5	0.3	
House Prices (Annual % Chg)	-12.9	-13.6	-10.6	-5.0(a)	-0.4	4.3	6.5	6.0	5.4	3.7	

Interest rates	Actual			Forecasts							
	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25	
Official Cash Rate	4.75	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.25	5.00	
90-Day Bank Bill Rate	5.23	5.71	5.74	5.57	5.48	5.38	5.25	5.10	4.92	4.68	
10-Year Bond	4.20	4.62	5.31	5.10	5.10	5.00	5.00	4.85	4.75	4.70	

Source: ANZ Research, Statistics NZ, RBNZ, REINZ



Contact us

Meet the team

We welcome your questions and feedback. Click [here](#) for more information about our team.



Sharon Zollner
Chief Economist

Follow Sharon on Twitter
[@sharon_zollner](#)

Telephone: +64 9 357 4094
Email: sharon.zollner@anz.com

General enquiries:
research@anz.com

Follow ANZ Research
[@ANZ_Research](#) (global)



David Croy
Senior Strategist

Market developments, interest rates, FX, unconventional monetary policy, liaison with market participants.

Telephone: +64 4 576 1022
Email: david.croy@anz.com



Susan Kilsby
Agricultural Economist

Primary industry developments and outlook, structural change and regulation, liaison with industry.

Telephone: +64 21 633 469
Email: susan.kilsby@anz.com



Miles Workman
Senior Economist

Macroeconomic forecast co-ordinator, economic developments, GDP and activity dynamics, fiscal and monetary policy.

Telephone: +64 21 661 792
Email: miles.workman@anz.com



Henry Russell
Economist

Macroeconomic forecasting, economic developments, labour market dynamics, inflation and monetary policy.

Telephone: +64 21 629 553
Email: henry.russell@anz.com



Andre Castaing
Economist

Macroeconomic forecasting, economic developments, housing and monetary policy.

Telephone: +64 21 199 8718
Email: andre.castaing@anz.com



Kyle Uerata
Economic Statistician

Economic statistics, ANZ proprietary data (including ANZ Business Outlook), data capability and infrastructure.

Telephone: +64 21 633 894
Email: kyle.uerata@anz.com



Natalie Denne
PA / Desktop Publisher

Business management, general enquiries, mailing lists, publications, chief economist's diary.

Telephone: +64 21 253 6808
Email: natalie.denne@anz.com

Important notice

Last updated: 18 April 2023

The opinions and research contained in this document (which may be in the form of text, image, video or audio) are (a) not personal financial advice nor financial advice about any product or service; (b) provided for information only; and (c) intended to be general in nature and do not take into account your financial situation or goals.

This document may be restricted by law in certain jurisdictions. Persons who receive this document must inform themselves about and observe all relevant restrictions.

Disclaimer for all jurisdictions: This document is prepared by ANZ Bank New Zealand Limited (ANZ Centre, 23-29 Albert Street, Auckland 1010, New Zealand). This document is distributed in your country/region by Australia and New Zealand Banking Group Limited (ABN11 005 357 522) (**ANZ**), a company incorporated in Australia or (if otherwise stated), by its subsidiary or branch (herein collectively referred to as **ANZ Group**). The views expressed in this document are those of ANZ Economics and Markets Research, an independent research team of ANZ Bank New Zealand Limited.

This document is distributed on the basis that it is only for the information of the specified recipient or permitted user of the relevant website (**recipients**).

This document is solely for informational purposes and nothing contained within is intended to be an invitation, solicitation or offer by ANZ Group to sell, or buy, receive or provide any product or service, or to participate in a particular trading strategy.

Distribution of this document to you is only as may be permissible by the laws of your jurisdiction, and is not directed to or intended for distribution or use by recipients resident or located in jurisdictions where its use or distribution would be contrary to those laws or regulations, or in jurisdictions where ANZ Group would be subject to additional licensing or registration requirements. Further, any products and services mentioned in this document may not be available in all countries.

ANZ Group in no way provides any personal financial, legal, taxation or investment advice to you in connection with any product or service discussed in this document. Before making any investment decision, recipients should seek independent financial, legal, tax and other relevant advice having regard to their particular circumstances.

Whilst care has been taken in the preparation of this document and the information contained within is believed to be accurate, ANZ Group does not represent or warrant the accuracy or completeness of the information, except with respect to information concerning ANZ Group. Further, ANZ Group does not accept any responsibility to inform you of any matter that subsequently comes to its notice, which may affect the accuracy of the information in this document.

Preparation of this document and the opinions expressed in it may involve material elements of subjective judgement and analysis. Unless specifically stated otherwise: they are current on the date of this document and are subject to change without notice; and, all price information is indicative only. Any opinions expressed in this document are subject to change at any time without notice.

ANZ Group does not guarantee the performance of any product mentioned in this document. All investments entail a risk and may result in both profits and losses. Past performance is not necessarily an indicator of future performance. Any products and services described in this document may not be suitable for all investors, and transacting in these products or services may be considered risky.

ANZ Group expressly disclaims any responsibility and shall not be liable for any loss, damage, claim, liability, proceedings, cost or expense (**Liability**) arising directly or indirectly and whether in tort (including negligence), contract, equity or otherwise out of or in connection with this document to the extent permissible under relevant law. Please note, the contents of this document have not been reviewed by any regulatory body or authority in any jurisdiction.

ANZ Group may have an interest in the subject matter of this document. They may receive fees from customers for dealing in any products or services described in this document, and their staff and introducers of business may share in such fees or remuneration that may be influenced by total sales, at all times received and/or apportioned in accordance with local regulatory requirements. Further, they or their customers may have or have had interests or long or short positions in any products or services described in this document, and may at any time make purchases and/or sales in them as principal or agent, as well as act (or have acted) as a market maker in such products. This document is published in accordance with ANZ Group's policies on conflicts of interest and ANZ Group maintains appropriate information barriers to control the flow of information between businesses within the group.

Your ANZ Group point of contact can assist with any questions about this document including for further information on these disclosures of interest.

Australia. ANZ holds an Australian Financial Services licence no. 234527. For a copy of ANZ's Financial Services Guide please [click here](#) or request from your ANZ point of contact.

Brazil. This document is distributed on a cross border basis and only following request by the recipient. No securities are being offered or sold in Brazil under this document, and no securities have been and will not be registered with the Securities Commission - CVM.

Brunei, Japan, Kuwait, Malaysia, Switzerland, Taiwan. This document is distributed in each of these jurisdictions by ANZ on a cross-border basis.

Cambodia. The information contained in this document is confidential and is provided solely for your use upon your request.

This does not constitute or form part of an offer or solicitation of any offer to engage services, nor should it or any part of it form the basis of, or be relied in any connection with, any contract or commitment whatsoever. ANZ does not have a licence to undertake banking operations or securities business or similar business, in Cambodia. By requesting financial services from ANZ, you agree, represent and warrant that you are engaging our services wholly outside of Cambodia and subject to the laws of the contract governing the terms of our engagement.

Canada. This document is general information only, is intended for institutional use only – not retail, and is not meant to be tailored to the needs and circumstances of any recipient. In addition, this document is not intended to be an offer or solicitation to purchase or sell any security or other financial instrument or to employ a specific investment strategy.

Chile. You understand and agree that ANZ is not regulated by Chilean Authorities and that the provision of this document is not subject to any Chilean supervision and is not guaranteed by any regulatory or governmental agency in Chile.

Fiji. For Fiji regulatory purposes, this document and any views and recommendations are not to be deemed as investment advice. Fiji investors must seek licensed professional advice should they wish to make any investment in relation to this document.

Hong Kong. This document is issued or distributed in Hong Kong by the Hong Kong branch of ANZ, which is registered at the Hong Kong Monetary Authority to conduct Type 1 (dealing in securities), Type 4 (advising on securities) and Type 6 (advising on corporate finance) regulated activities. The contents of this document have not been reviewed by any regulatory authority in Hong Kong. If you are in any doubt about any of the contents of this document, you should obtain independent professional advice.

India. If this document is received in India, only you (the specified recipient) may print it provided that before doing so, you specify on it your name and place of printing.

Israel. ANZ is not a holder of a licence granted in Israel pursuant to the Regulation of Investment Advising, Investment Marketing and Portfolio Management Law, 1995 ("Investment Advice Law") and does not hold the insurance coverage required of a licensee pursuant to the Investment Advice Law. This publication has been prepared exclusively for Qualified Clients as such term is defined in the First Schedule to the Investment Advice Law. As a prerequisite to the receipt of a copy of this publication a recipient will be required to provide confirmation and evidence that it is a Qualified Client. Nothing in this publication should be considered Investment Advice or Investment Marketing as defined in the Investment Advice Law. Recipients are encouraged to seek competent investment advice from a locally licensed investment adviser prior to making any investment.

Macau. Click [here](#) to read the disclaimer for all jurisdictions in Mandarin. 澳门。点击[此处](#)阅读所有司法管辖区的免责声明的中文版。

Myanmar. This document is intended to be general and part of ANZ's customer service and marketing activities when implementing its functions as a licensed bank. This document is not Securities Investment Advice (as that term is defined in the Myanmar Securities Transaction Law 2013).

Important notice

New Zealand. This document is distributed in New Zealand by ANZ Bank New Zealand Limited. The material is for information purposes only and is not financial advice about any product or service. We recommend you seek advice about your financial situation and goals before acquiring or disposing of (or not acquiring or disposing of) a financial product.

Oman. ANZ neither has a registered business presence nor a representative office in Oman and does not undertake banking business or provide financial services in Oman. Consequently ANZ is not regulated by either the Central Bank of Oman (**CBO**) or Oman's Capital Market Authority (**CMA**). The information contained in this document is for discussion purposes only and neither constitutes an offer of securities in Oman as contemplated by the Commercial Companies Law of Oman (Royal Decree 4/74) or the Capital Market Law of Oman (Royal Decree 80/98), nor does it constitute an offer to sell, or the solicitation of any offer to buy non-Omani securities in Oman as contemplated by Article 139 of the Executive Regulations to the Capital Market Law (issued vide CMA Decision 1/2009). ANZ does not solicit business in Oman and the only circumstances in which ANZ sends information or material describing financial products or financial services to recipients in Oman, is where such information or material has been requested from ANZ and the recipient understands, acknowledges and agrees that this document has not been approved by the CBO, the CMA or any other regulatory body or authority in Oman. ANZ does not market, offer, sell or distribute any financial or investment products or services in Oman and no subscription to any securities, products or financial services may or will be consummated within Oman. Nothing contained in this document is intended to constitute Omani investment, legal, tax, accounting or other professional advice.

People's Republic of China (PRC). This document may be distributed by either ANZ or Australia and New Zealand Bank (China) Company Limited (**ANZ China**). Recipients must comply with all applicable laws and regulations of PRC, including any prohibitions on speculative transactions and CNY/CNH arbitrage trading. If this document is distributed by ANZ or an Affiliate (other than ANZ China), the following statement and the text below is applicable: No action has been taken by ANZ or any affiliate which would permit a public offering of any products or services of such an entity or distribution or re-distribution of this document in the PRC. So, the products and services of such entities are not being offered or sold within the PRC by means of this document or any other document. This document may not be distributed, re-distributed or published in the PRC, except under circumstances that will result in compliance with any applicable laws and regulations. If and when the material accompanying this document relates to the products and/or services of ANZ China, the following statement and the text below is applicable: This document is distributed by ANZ China in the Mainland of the PRC.

Peru. The information contained in this document has not been, and will not be, registered with or approved by the Peruvian Superintendency of the Securities Market (Superintendencia del Mercado de Valores, **SMV**) or the Lima Stock Exchange (Bolsa de Valores de Lima, **BVL**) or under the Peruvian Securities Market Law (Legislative Decree 6 861), and will not be subject to Peruvian laws applicable to public offerings in Peru. To the extent this information refers to any securities or interests, it should be noted the securities or interests may not be offered or sold in Peru, except if (i) such securities or interests were previously registered with the Peruvian Superintendency of the Securities Market, or (ii) such offering is considered a private offering in Peru under the securities laws and regulation of Peru.

Qatar. This document has not been, and will not be:

- lodged or registered with, or reviewed or approved by, the Qatar Central Bank (**QCB**), the Qatar Financial Centre (**QFC**) Authority, QFC Regulatory Authority or any other authority in the State of Qatar (**Qatar**); or
- authorised or licensed for distribution in Qatar, and the information contained in this document does not, and is not intended to, constitute a public offer or other invitation in respect of securities in Qatar or the QFC.

The financial products or services described in this document have not been, and will not be:

- registered with the QCB, QFC Authority, QFC Regulatory Authority or any other governmental authority in Qatar; or
- authorised or licensed for offering, marketing, issue or sale, directly or indirectly, in Qatar.

Accordingly, the financial products or services described in this document are not being, and will not be, offered, issued or sold in Qatar, and this document is not being, and will not be, distributed in Qatar. The offering, marketing, issue and sale of the financial products or services described in this document and distribution of this document is being made in, and is subject to the laws, regulations and rules of, jurisdictions outside of Qatar and the QFC. Recipients of this document must abide by this restriction and not distribute this document in breach of this restriction. This document is being sent/issued to a limited number of institutional and/or sophisticated investors (i) upon their request and confirmation that they understand the statements above; and (ii) on the condition that it will not be provided to any person other than the original recipient, and is not for general circulation and may not be reproduced or used for any other purpose.

Singapore. To the extent that this document contains any statements of opinion and/or recommendations related to an investment product or class of investment product (as defined in the Financial Advisers Act 2001), this document is distributed in Singapore by ANZ solely for the information of "accredited investors", "expert investors" or (as the case may be) "institutional investors" (each term as defined in the Securities and Futures Act 2001 of Singapore). ANZ is licensed in Singapore under the Banking Act 1970 of Singapore and is exempted from holding a financial adviser's licence under Section 23(1)(a) of the Financial Advisers Act 2001 of Singapore. In respect of any matters arising from, or in connection with, the distribution of this document in Singapore, please speak to your usual ANZ contact in Singapore.

United Arab Emirates (UAE). This document is distributed in the UAE or the Dubai International Financial Centre (**DIFC**) (as applicable) by ANZ. This document does not, and is not intended to constitute: (a) an offer of securities anywhere in the UAE; (b) the carrying on or engagement in banking, financial and/or investment consultation business in the UAE under the rules and regulations made by the Central Bank of the UAE, the Emirates Securities and Commodities Authority or the UAE Ministry of Economy; (c) an offer of securities within the meaning of the Dubai International Financial Centre Markets Law (**DIFCML**) No. 12 of 2004; and (d) a financial promotion, as defined under the DIFCML No. 1 of 200. ANZ DIFC Branch is regulated by the Dubai Financial Services Authority (**DFSA**). The financial products or services described in this document are only available to persons who qualify as "Professional Clients" or "Market Counterparty" in accordance with the provisions of the DFSA rules.

United Kingdom. This document is distributed in the United Kingdom by Australia and New Zealand Banking Group Limited (**ANZ**) solely for the information of persons who would come within the Financial Conduct Authority (**FCA**) definition of "eligible counterparty" or "professional client". It is not intended for and must not be distributed to any person who would come within the FCA definition of "retail client". Nothing here excludes or restricts any duty or liability to a customer which ANZ may have under the UK Financial Services and Markets Act 2000 or under the regulatory system as defined in the Rules of the Prudential Regulation Authority (**PRA**) and the FCA. ANZ considers this document to constitute an Acceptable Minor Non-Monetary Benefits (**AMNMB**) under the relevant inducement rules of the FCA. ANZ is authorised in the United Kingdom by the PRA and is subject to regulation by the FCA and limited regulation by the PRA. Details about the extent of our regulation by the PRA are available from us on request.

United States. Except where this is a FX-related document, this document is distributed in the United States by ANZ Securities, Inc. (**ANZ SI**) which is a member of the Financial Regulatory Authority (**FINRA**) (www.finra.org) and registered with the SEC. ANZSI's address is 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 9160 Fax: +1 212 801 9163). ANZSI accepts responsibility for its content. Information on any securities referred to in this document may be obtained from ANZSI upon request. This document or material is intended for institutional use only – not retail. If you are an institutional customer wishing to effect transactions in any securities referred to in this document you must contact ANZSI, not its affiliates. ANZSI is authorised as a broker-dealer only for institutional customers, not for US Persons (as "US person" is defined in Regulation S under the US Securities Act of 1933, as amended) who are individuals. If you have registered to use our website or have otherwise received this document and are a US Person who is an individual: to avoid loss, you should cease to use our website by unsubscribing or should notify the sender and you should not act on the contents of this document in any way. Non-U.S. analysts may not be associated persons of ANZSI and therefore may not be subject to FINRA Rule 2242 restrictions on communications with the subject company, public appearances and trading securities held by the analysts. Where this is a FX-related document, it is distributed in the United States by ANZ's New York Branch, which is also located at 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 916 0 Fax: +1 212 801 9163).

Vietnam. This document is distributed in Vietnam by ANZ or ANZ Bank (Vietnam) Limited, a subsidiary of ANZ.