

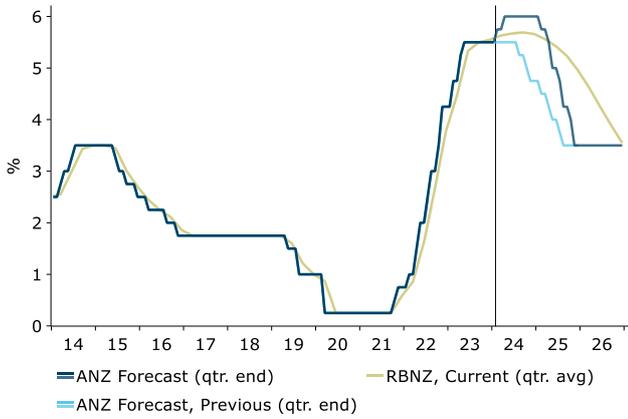
New Zealand Property Focus

Cruel summer

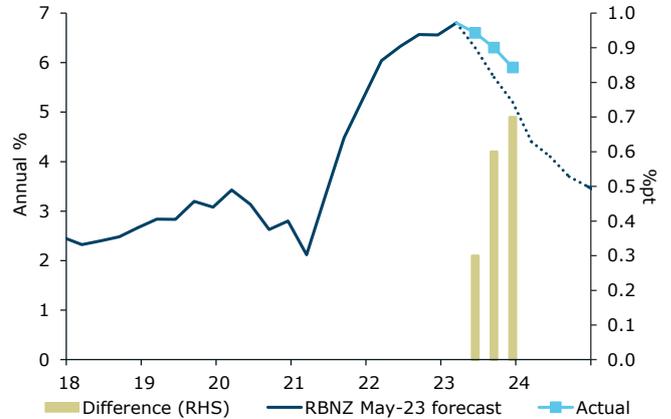




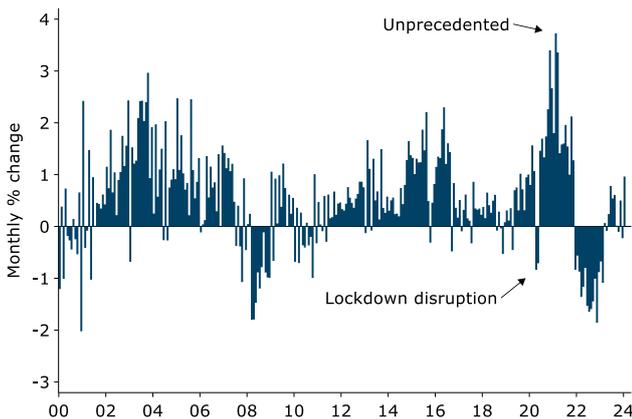
We expect the RBNZ to lift the OCR twice more...



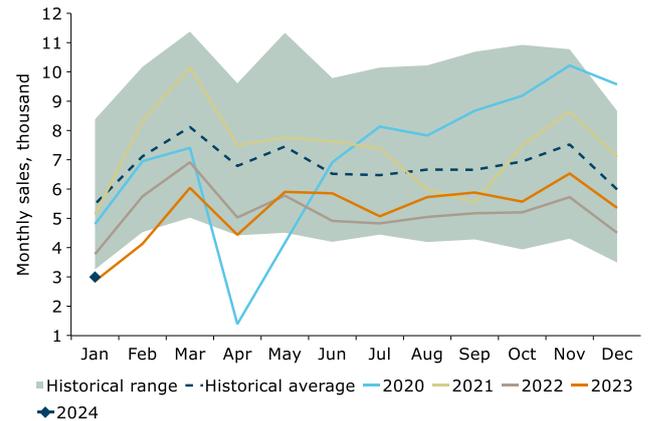
... to combat sticky domestic inflation



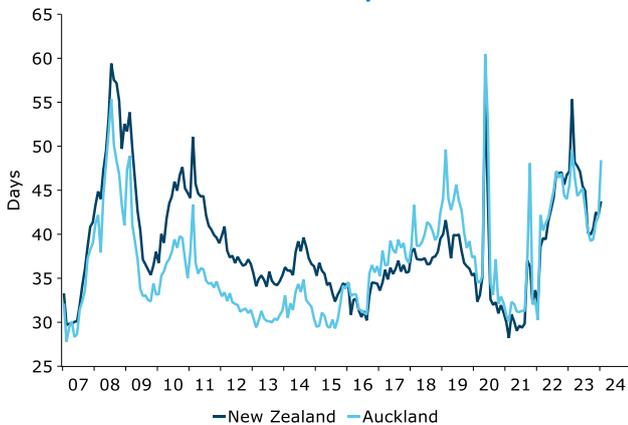
House prices had a large bounce in January...



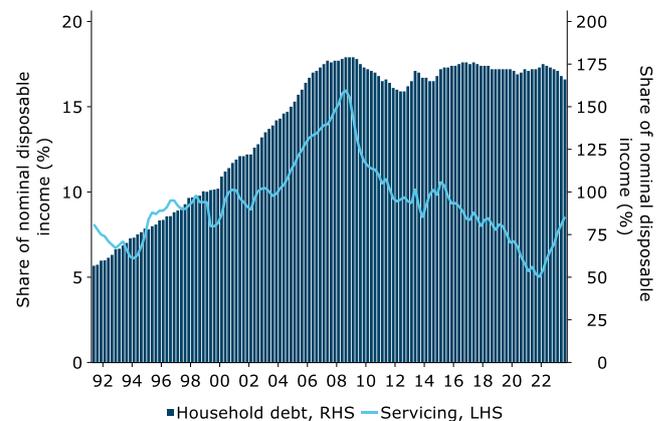
...off the second-weakest January sales since 1992



Days to sell have risen back towards their 2022 peaks



Homeowners are bearing a smaller debt-servicing burden than 2007



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 11](#)

INSIDE

At a glance	2
Housing Market Overview	4
Regional Housing Market Indicators	8
Mortgage Borrowing Strategy	9
Weekly Mortgage Repayment Table	10
Mortgage Rate Forecasts	10
Economic Forecasts	10
Important Notice	12

ISSN 2624-0629

Publication date: 20 February 2024

Summary

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

Property Focus

The housing market looks stagnant. While January house prices were stronger than we expected, sales were abnormally soft, listings continue to rise and days to sell are back near their 2022 peaks, especially in Auckland. We are expecting the Reserve Bank of New Zealand (RBNZ) to lift the Official Cash Rate (OCR) two more times to combat increasingly stubborn domestic inflation. Homeowners should be conscious that mortgage rate cuts in the near future are not a sure-fire bet, as the RBNZ will be unwilling to provide mortgage rate relief until they're confident that inflation will stay in their 1-3% band. Our expectations for further lifts in the OCR put the risk of further house price falls back on the table. At this stage, it's a risk only, because the HPI remains robust in the face of a deteriorating outlook. We still expect house prices to go broadly sideways over the first half of this year, but the picture is looking a lot less certain than it was at the end of last year. See the [Property Focus](#) section.

Mortgage Borrowing Strategy

Mortgage rates are little changed this month, with average carded rates a touch lower for some terms. That's left the term structure of the mortgage curve as it was last month, with floating marking the high point, and rates generally declining with term. Given we are forecasting an OCR hike later this month and again in April, many readers might be wondering; is it worth fixing for longer? We think it may be from the perspective of more certainty, particularly given the possibility that we may see mortgage rates rise if wholesale market interest rates lift following a hike. But equally, we are confident that a hike now would bring inflation back to target sooner, paving the way for cuts in 2025 with greater certainty as policy settings re-normalise. Terms of 12-18 months are likely to provide protection during that period, whereas a shorter term like 6 months may not. Longer terms like 2-3 years are cheaper and may suit borrowers looking to stagger their fixed terms, but they may expire after rates start falling again. See our [Mortgage Borrowing Strategy](#).



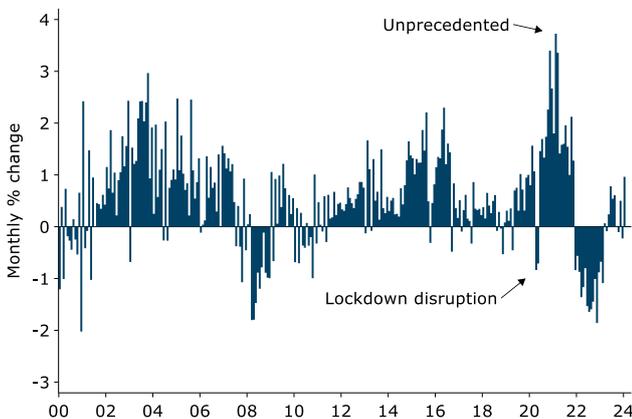
Summary

The housing market looks stagnant. While January house prices were stronger than we expected, sales were abnormally soft, listings continue to rise and days to sell are back near their 2022 peaks, especially in Auckland. We are expecting the Reserve Bank of New Zealand (RBNZ) to lift the Official Cash Rate (OCR) two more times to combat increasingly stubborn domestic inflation. Homeowners should be conscious that mortgage rate cuts in the near future are not a sure-fire bet, as the RBNZ will be unwilling to provide mortgage rate relief until they're confident that inflation will stay in their 1-3% band. Our expectations for further lifts in the OCR put the risk of further house price falls back on the table. At this stage, it's a risk only, because the HPI remains robust in the face of a deteriorating outlook. We still expect house prices to go broadly sideways over the first half of this year, but the picture is looking a lot less certain than it was at the end of last year.

Lifting, but running on fumes

This month's housing market data were a jumble of indicators pointing in divergent directions. On the one hand, house prices nationwide lifted 1.0% m/m, but on the other hand sales were abysmal and days to sell lifted.

Figure 1. Nationwide house prices

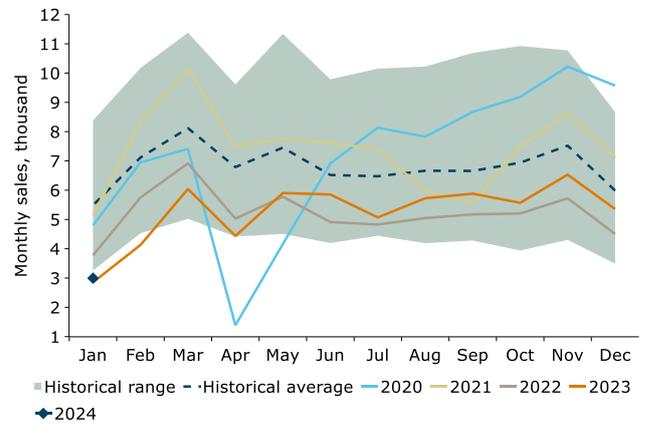


Source: REINZ, Macrobond, ANZ Research

The lift in house prices was broad-based throughout the country. Auckland led the rise, up 1.2% m/m and all regions other than Gisborne and Hawke's Bay saw month-on-month rises. January is always an abnormal time of year in the property market. For the first half of the month buyers, sellers and agents tend to be in holiday mode, often travelling away from home to see friends and family. Every year, this leads to soft house sales in January and more volatility in house prices than at other times of year. Even after accounting for the usual

post-Christmas lull, this year looked unusually soft, with the second-weakest sales since 1992, only outdone by 2023, when house prices were falling.

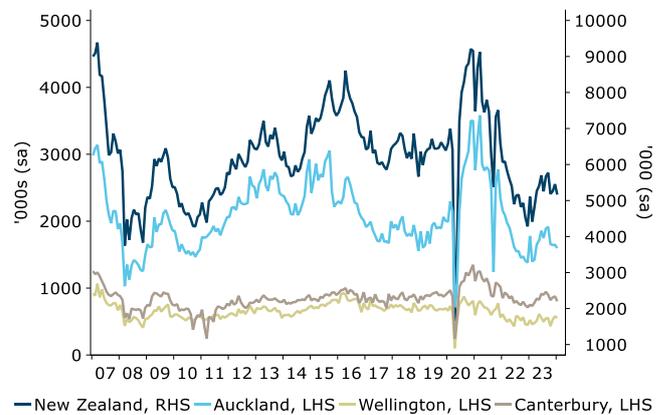
Figure 2. Unadjusted house sales vs historical range since 1992



Source: REINZ, Macrobond, ANZ Research

If it was just a one-off soft month for sales, we would put it down to noise, but that's not the case. House sales have been on a mild downwards trajectory since mid-2023, with the latest data just another piece of that puzzle. Over that time house prices have gone broadly sideways.

Figure 3. House sales



Source: REINZ, Macrobond, ANZ Research

Growing inventories are matching this story, as sellers see signs of a rising market, while buyers remain choosy. Inventories can remain disconnected from prices for a while, as sellers choose not to accept a lower price to secure a sale.



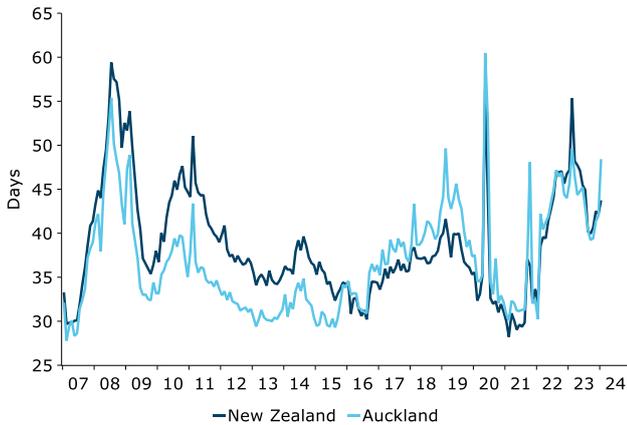
Figure 4. Lifting inventories



Source: realestate.co.nz, Macrobond, ANZ Research

The same story is playing out in days to sell, especially in Auckland. Days to sell in Auckland are back near their 2022 peak, with the average home taking around 48 days to sell. The rest of country is still a touch more vibrant, but the trend here has turned too.

Figure 5. Days to sell

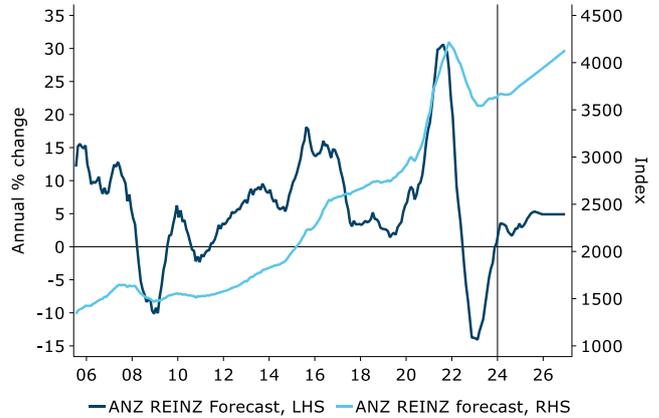


Source: REINZ, Macrobond, ANZ Research

High inventories and long times to sell houses can't last forever in an environment of soft sales because some homeowners always need to sell quickly even at a price that is lower than their initial expectations, such as those who are moving countries, securing cash in a relationship break-up, or needing to do a mortgagee sale. If these are the only homes that are selling, they can drag down the overall house price index on soft sales. We haven't yet seen enough evidence that this dynamic will play out and accordingly it's still in our 'risks' bucket. After the recent mixed bag of data, our forecasts remain broadly unchanged from our January Property Focus, having banked the strong starting point. We're picking a 3% rise in house prices this year. But we certainly aren't ruling out further house price falls from here, given a lot of the leading indicators are

similar to where they were in 2022 – and we are forecasting more rate hikes.

Figure 6. Our house price forecasts

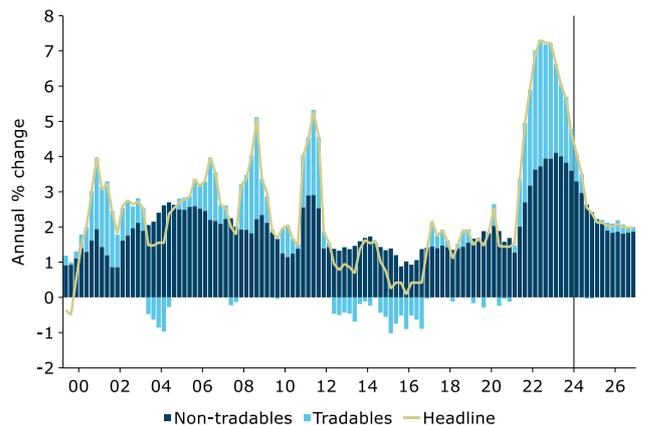


Source: REINZ, Macrobond, ANZ Research

Two more interest rate rises

The Reserve Bank of New Zealand (RBNZ) has lifted the Official Cash Rate (OCR) 525 basis points (bp, 1/100th of a percent) since 2021, from 0.25% to 5.5%. While high interest rates mean those with mortgages have to pay more, and depress property prices by reducing the borrowing capacity of home buyers, they do squeeze excess inflation out of the economy, in part by reducing how much households spend on discretionary items – initially the indebted households, and later those who find themselves with wobblier job security or reduced profits from their businesses.

Figure 7. CPI inflation forecast



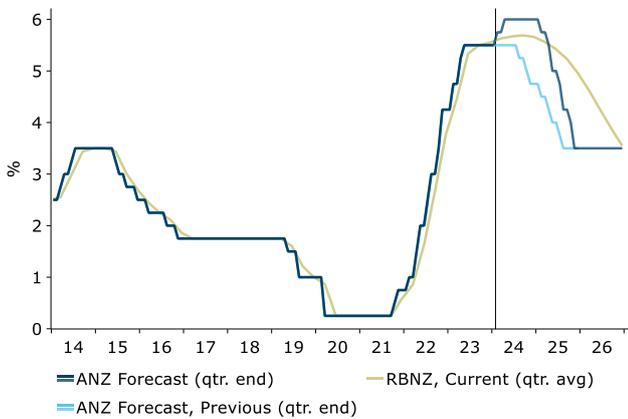
Source: Stats NZ, Macrobond, ANZ Research

The RBNZ is committed to returning inflation to a low and stable range around 2%, back where it was through most of the 2010s, before anyone knew what COVID was – and when the cost of living was lower down the list of consumers' concerns. While inflation has declined, we don't think the RBNZ has done enough to sustainably return inflation to these levels



and expect that the RBNZ will deliver two more 25bp OCR increases to provide them with further confidence that high inflation is on the way out.

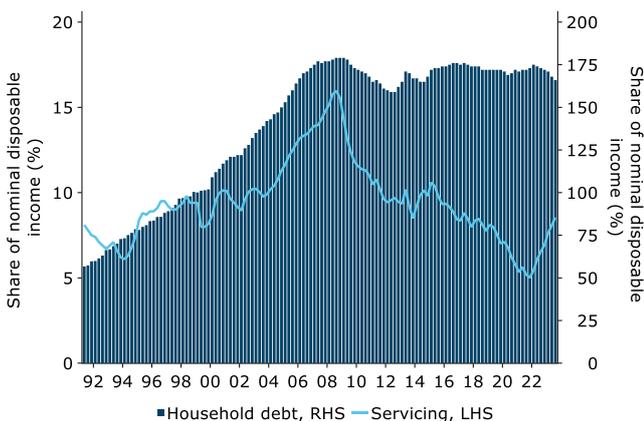
Figure 8. OCR forecast



Source: RBNZ, Macrobond, ANZ Research

While these OCR increases will be painful for some households, especially those who took out large mortgages at low interest rates at the peak of the 2021 housing boom, the average household will still pay much less in interest costs as a proportion of their income than they did in 2007, when the OCR was increased to 8.25% in order to contain inflation. We don't think the OCR will reach those lofty peaks this time around, but we certainly wouldn't rule it out either and prospective homeowners should consider their ability to service a mortgage that is 2-3 percentage points above current rates before taking it on.

Figure 9. Household debt and debt servicing burdens

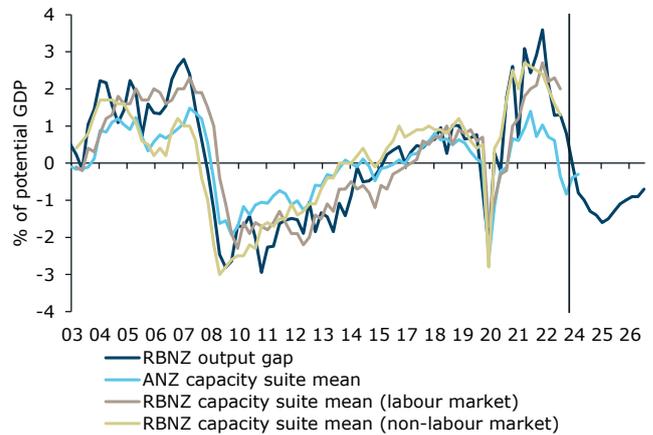


Source: Stats NZ, RBNZ, Macrobond, ANZ Research

Why do we now expect the OCR to go higher? In their November Monetary Policy Statement (MPS) the RBNZ said that "If inflation pressures were to be stronger than anticipated, the OCR would likely need to increase further". No one data point has changed our view on the strength of inflationary pressures or where the OCR will go next. Rather, the RBNZ has

had a series of small, but collectively meaningful data surprises since the November MPS that suggest that inflationary pressures are a bit stronger than they anticipated – and even, based on our capacity suite, could be increasing again.

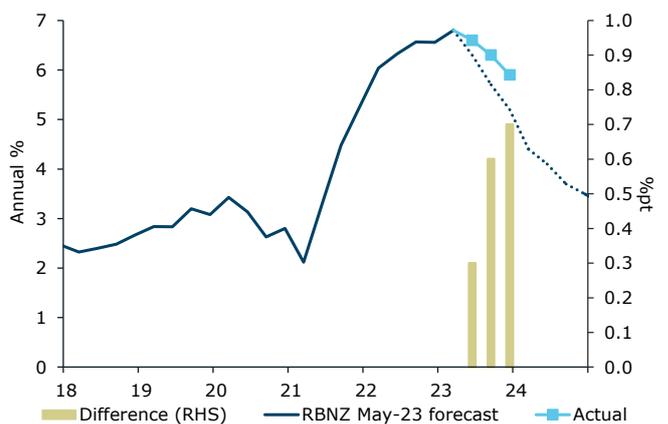
Figure 10. Measures of capacity pressures



Source: Stats NZ, RBNZ, ANZ Research

Looking more directly at inflation, the RBNZ has had a series of upwards surprises on domestically generated non-tradable inflation, which is likely to concern them. At this rate of decline it is likely to take far too long to sort out New Zealand's embedded inflation problem.

Figure 11. Non-tradables inflation vs RBNZ's May MPS forecast



Source: Stats NZ, Macrobond, ANZ Research

This matches the expectations of businesses in the [ANZ Business Outlook](#). Around twice as many net firms are expecting to raise their prices in the next three months as tended to be the case when inflation was near 2%. And the expected size of those price increases hasn't fallen for about six months. These expected future price rises are likely to keep inflation high for some time yet. It's not that businesses are being greedy; their costs have skyrocketed and are still well above where they were pre-pandemic.



Figure 12. ANZBO inflation indicators

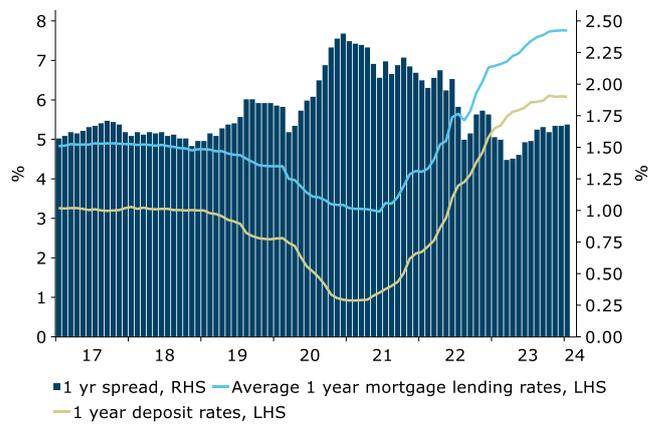


Source: Macrobond, ANZ Research

While a higher OCR, and interest rates more broadly, will increase costs for businesses with debt in the short term, over the medium term tighter monetary policy will mean cost pressures are less acute as some firms cease passing on price increases due to weak demand. It's not a pleasant fix, but it prevents the economy from ending up in a situation where high and unpredictable inflation makes planning difficult, and makes for arbitrary winners and losers.

The OCR – both its level and market expectations of where it's going – influences where banks set mortgage rates. When a homeowner comes to a bank for a mortgage, the bank borrows that money from depositors or in the wholesale markets at swap rates, and passes the funds through to the homeowner at a (higher) retail interest rate, using the difference to fund their operations and turn a profit. For example, right now the OCR is at 5.5%, the one-year swap is around 5.6%, one-year term deposits are around 6%, the average 1-year special rate across banks is around 7% and the average one-year standard rate is around 7.8%.

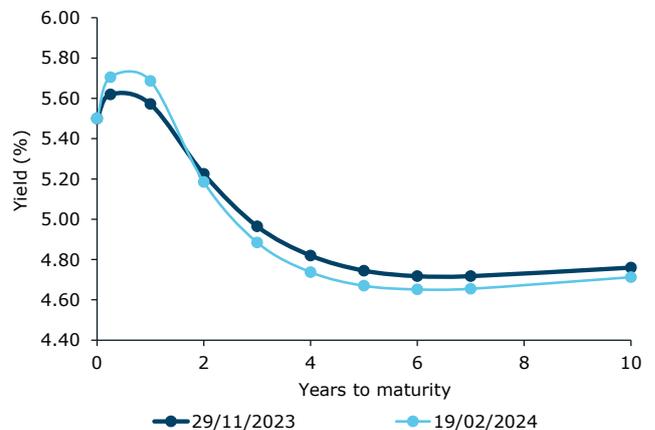
Figure 13. 1-year mortgage and deposit rates



Source: RBNZ, Macrobond, ANZ Research

Expectations in wholesale interest rate markets for where the OCR will go have a large impact on wholesale swap rates and thereby affect where banks price mortgage rates for different fixing terms. Right now, wholesale markets expect the OCR to decline over the next few years, meaning that longer fixing rates are lower– see our [mortgage borrowing strategy](#). The upshot is that evolving expectations of future monetary policy matter at least as much as the RBNZ's decisions on any given day.

Figure 14. Wholesale swap rates at different fixing horizons



Source: Bloomberg, ANZ Research



Housing market indicators for January 2024 (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	\$607,894	-14.6	-7.9	-3.6	1.1	153	+3%	74
Auckland	\$1,028,098	0.9	0.2	0.5	0.4	1,648	+0%	42
Waikato	\$750,199	2.0	0.5	-2.9	0.3	540	+3%	43
Bay of Plenty	\$827,361	-5.1	1.0	-0.7	0.9	370	+12%	49
Gisborne	\$555,150	-5.1	-9.2	-0.2	0.8	37	+51%	44
Hawke's Bay	\$647,010	-5.6	-2.6	-0.2	0.8	202	+29%	52
Manawatu-Whanganui	\$519,818	-5.4	-2.7	-1.9	0.0	280	+10%	44
Taranaki	\$628,621	3.1	2.9	0.7	1.4	126	-1%	43
Wellington	\$787,031	1.7	-0.1	2.5	0.9	578	+9%	37
Tasman, Nelson & Marlborough	\$706,464	-3.7	-2.3			224	+31%	50
Canterbury	\$661,746	3.1	0.6	2.0	0.7	876	+2%	35
Otago	\$662,751	0.5	-1.3	5.6	0.4	337	+10%	42
West Coast	\$349,781	5.5	5.0	-1.5	0.7	34	+0%	40
Southland	\$441,549	2.2	-0.9	-0.1	1.2	129	-2%	48
New Zealand	\$776,125	-0.6	-1.4	0.6	0.4	5,454	+4%	42



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

Mortgage rates are little changed this month, with average carded rates a touch lower for some terms. That's left the term structure of the mortgage curve as it was last month, with floating marking the high point, and rates generally declining with term. Given we are forecasting an OCR hike later this month and again in April, many readers might be wondering; is it worth fixing for longer? We think it may be from the perspective of more certainty, particularly given the possibility that we may see mortgage rates rise if wholesale market interest rates lift following a hike. But equally, we are confident that a hike now would bring inflation back to target sooner, paving the way for cuts in 2025 with greater certainty as policy settings re-normalise. Terms of 12-18 months are likely to provide protection during that period, whereas a shorter term like 6 months may not. Longer terms like 2-3 years are cheaper and may suit borrowers looking to stagger their fixed terms, but they may expire after rates start falling again.

Mortgage rates are again either unchanged or down a touch on average this month on account of a handful of minor mortgage rates cuts seen for some terms. The changes seen haven't shifted the dial on the term structure of mortgage rates, with floating being the high point for all banks, and rates generally lower for longer terms. The broad implication of that is that borrowers who are on floating ought to seriously consider fixing, even if it's for only a short term like 6 months, which is a reasonable proxy for floating, but comes with a sizeable discount (7.38% vs 8.65%). Floating will work out cheaper if rates fall sharply, but that seems unlikely given both our forecasts and RBNZ messaging. Over a 1-year time horizon, for example, if someone is on floating with the view that rates may fall, they would need to see them fall to at least 6.11% within the next 6 months for that to be cheaper than fixing for a year at 7.38%.

As important as it is to highlight the alternatives to floating, most people aren't contemplating whether to float or fix, and are more likely to be contemplating for how long to fix. In that regard, regular readers will be aware that in past editions, we have discussed how we felt the 1-year term offered a good balance between a degree of certainty and time protection versus the ability to participate in a fall in mortgage rates once inflation gets closer to the RBNZ's 2% target. What may surprise readers is that even with our call for a higher OCR over the near term, we

remain broadly of that view. That's because we think a higher OCR now will see inflation return to target sooner and head off the risk of inflation remaining entrenched, ultimately allowing the OCR to normalise over 2025. It's a stretch to say we're envisaging a "stitch (or two) in time saves nine", but getting inflation much closer to target (and being confident it will get there) is a prerequisite to a lower OCR.

Breakevens analysis – which essentially asks how far rates need to fall for one strategy – say 1yr – to be better than, say, 2yrs – still puts the 1yr in a positive light, even with a higher OCR over the near term. As our breakeven table shows, for back-to-back 1yr fixes to work out cheaper than fixing for 2 years at 6.89%, the 1yr rates needs to fall to 6.43% or below in a year's time. While that's a chunky fall (6.43% is 0.95%pts below the current rate of 7.38%), our projections (based on our wholesale rate forecasts that assume that a hike now will ultimately pave the way for cuts later) have it falling further, to around 5.8%. If rates do fall that far, then back-to-back 1yr fixes will thus end up being cheaper than 2yrs. Fixing now (be that for 1 or 2 years) is also likely to save a bit of money if mortgage rates rise in response to another hike, which is a risk. As always, borrowers need to be confident in their fixing decisions, and as fixing for a shorter period offers less time certainty, it is riskier by definition. Borrowers can always spread their risk by dividing their debt into chunks split over several terms.

Figure 1. Carded special mortgage rates[^]

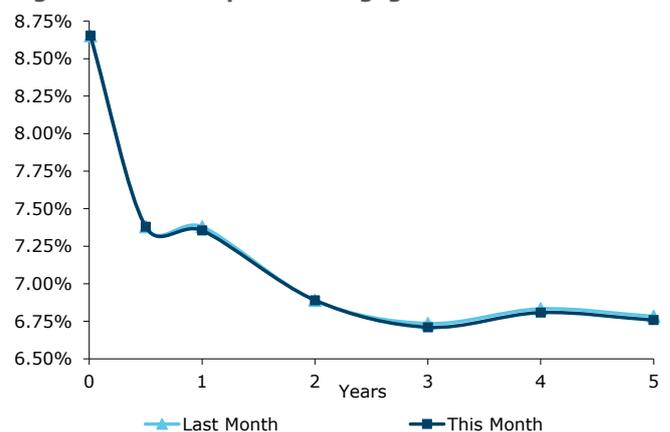


Table 1. Special Mortgage Rates[#]

Term	Breakevens for 20%+ equity borrowers				
	Current	in 6mths	in 1yr	in 18mths	in 2 yrs
Floating	8.65%				
6 months	7.38%	7.33%	6.59%	6.26%	6.44%
1 year	7.36%	6.96%	6.43%	6.35%	6.35%
2 years	6.89%	6.66%	6.39%	6.50%	6.73%
3 years	6.71%	6.66%	6.63%	6.62%	6.67%
4 years	6.81%	6.71%	6.61%		
5 years	6.76%	#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						
	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25	Sep-25
Floating Mortgage Rate	8.5	8.6	8.6	8.9	9.2	9.2	9.2	8.9	8.2	7.4
1-Yr Fixed Mortgage Rate	6.9	7.2	7.3	7.5	7.1	6.6	6.1	5.7	5.4	5.3
2-Yr Fixed Mortgage Rate	6.5	6.9	7.0	6.9	6.6	6.3	5.9	5.6	5.4	5.4
3-Yr Fixed Mortgage Rate	6.3	6.7	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.5
5-Yr Fixed Mortgage Rate	6.3	6.5	6.7	6.8	6.6	6.3	6.1	5.9	5.7	5.7

Source: RBNZ, ANZ Research

Economic forecasts

Economic indicators	Actual			Forecasts						
	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25
GDP (Annual % Chg)	2.1	1.5	-0.6	0.4	1.0	0.7	1.1	0.9	0.8	1.0
CPI Inflation (Annual % Chg)	6.7	6.0	5.6	4.7(a)	4.0	3.5	2.6	2.5	2.3	2.2
Unemployment Rate (%)	3.4	3.6	3.9	4.0(a)	4.2	4.4	4.6	5.0	5.2	5.3
House Prices (Quarter % Chg)	-2.6	0.0	1.6	0.4(a)	1.1	-0.1	0.6	1.4	1.3	1.2
House Prices (Annual % Chg)	-13.6	-10.6	-5.0	-0.7(a)	3.1	2.9	1.9	3.0	3.2	4.6

Interest rates	Actual			Forecasts						
	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	Mar-25	Jun-25	Sep-25
Official Cash Rate	5.50	5.50	5.50	5.75	6.00	6.00	6.00	5.75	5.00	4.25
90-Day Bank Bill Rate	5.71	5.74	5.64	6.09	6.05	5.74	5.50	4.92	4.30	3.72
10-Year Bond	4.62	5.31	4.32	5.00	4.75	4.50	4.25	4.25	4.25	4.25

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.