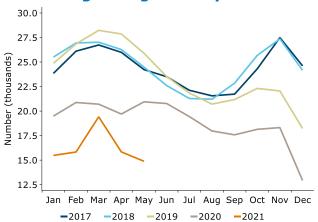
ANZ Research June 2021





Low inventories

Are making it tough for buyers



House prices to moderate

A bit slower than we thought for 2021

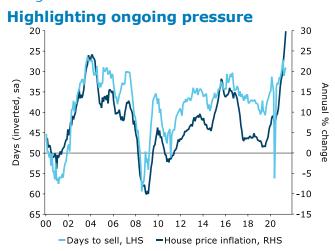


Rates to lift

As the OCR is hiked from February 2022

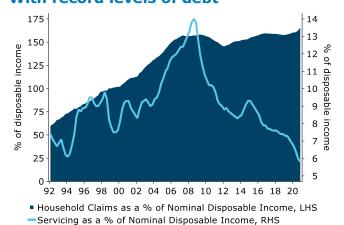


Days to sell remain low



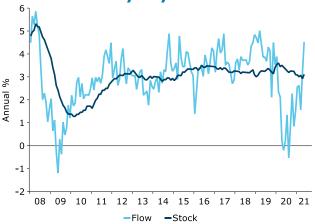
Households remain vulnerable

With record levels of debt



Signs of stronger rent inflation

But it's still early days



 $Source: \ RBNZ, \ REINZ, \ Stats \ NZ, \ Macrobond, \ Bloomberg, \ ICAP, \ RealEstate.co.nz, \ ANZ \ Research$

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, Miles Workman, David Croy or Finn Robinson for more details. See page 9.

INSIDE

At a glance	
Housing Market Overview	
Regional Housing Market Indicators	
Mortgage Borrowing Strategy	
Weekly Mortgage Repayment Table	
Mortgage Rate Forecasts	
Economic Forecasts	
Important Notice	1

ISSN 2624-0629

Publication date: 22 June 2021

Summary

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

Housing market overview

May housing data suggest recent Government policy announcements are weighing on overall housing activity. Sales fell 11.8% m/m in May (seasonally adjusted). But with listings also sparse, reduced investor demand hasn't yet been enough to slow the monthly pace of house price inflation. This came as a bit of a surprise and we have upgraded our near-term house price forecasts to include a little more momentum. We have also brought forward our expectation for OCR hikes by six months to February 2022. That means mortgage rates are expected to rise a little sooner than before, taking some of the steam out of the housing cycle a bit earlier. See our Market Overview.

Mortgage borrowing strategy

Longer-term fixed mortgage rates continue to rise and are now well above lows seen earlier in the year. In contrast, shorter-term rates continue to edge lower, taking the average 1-year rate to yet another record low. Appealing as lower short-term rates are, they don't offer certainty for long. To echo the thoughts we have had for some months now, we think there is merit in considering fixing for longer, even if rates have risen slightly. Since our last edition, the RBNZ has signalled that they expect to hike the OCR in 2022, and we expect the first hike to come in February. That's less than a year away, and if we are right, it could be more expensive to fix in a year's time, which supports the idea of fixing for longer now. See our Mortgage Borrowing Strategy.



Housing market overview

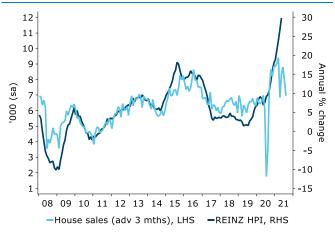
Summary

May housing data suggest recent Government policy announcements are weighing on overall housing activity. Sales fell 11.8% m/m in May (seasonally adjusted). But with listings also sparse, reduced investor demand hasn't yet been enough to slow the monthly pace of house price inflation. This came as a bit of a surprise and we have upgraded our near-term house price forecasts to include a little more momentum. We have also brought forward our expectation for OCR hikes by six months to February 2022. That means mortgage rates are expected to rise a little sooner than before, taking some of the steam out of the housing cycle a bit earlier.

Sales and inventories down, prices up

Housing data clearly show the market is going through an adjustment period following recent Government policy announcements. But exactly what things will look like when the dust settles remains uncertain. May data brought yet another significant monthly decline in house sales, down 11.8% m/m following a 10.4% decline in April (ANZ seasonal adjustment), suggesting overall activity is waning. And while sales tend to lead prices by around three months (figure 1), the acceleration in the pace of monthly house price inflation in May (1.8% m/m vs 1.5% in April) suggests house price momentum is holding up for now.

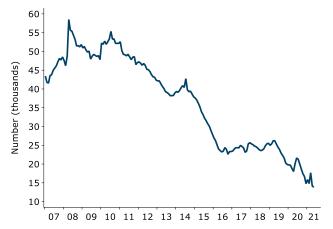
Figure 1. House price inflation and sales



Source: REINZ, Macrobond, ANZ Research

The significant decline in the number of properties available for sale in May (to very low levels by historical standards) goes a long way towards explaining the persistence of price pressures. Seasonally adjusted inventories fell 5.1% m/m in May following a 10.5% decline in April. Compared to a year ago, there were almost 30% fewer properties on the market for sale. A continuation of this trend (figure 2), represents an upside risk to our house price outlook (all else equal).

Figure 2. Number of properties available for sale



Source: RealEstate.co.nz, Macrobond

Overall, while there may well be fewer investors in the market following recent Government policy changes, there are also fewer houses available for those who are still looking. That appears to be keeping competition fierce and prices rising for now.

Indeed, tightness in the market has also been confirmed by the recent decline in the number of days it takes to sell a house – that fell by 1 day in May to 29, well below its historical average of 39 (figure 3).

Figure 3. House price inflation and days to sell



Source: REINZ, Macrobond, ANZ Research

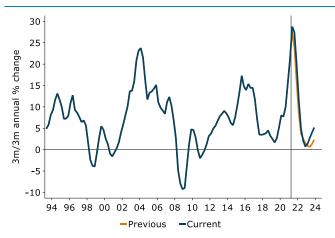
A little more price momentum expected in the near term

House price inflation came in ahead of our expectation in May, and given the market continues to look very tight, we've baked a touch more momentum into our near-term forecast. But we have also recently pulled forward our expectation for OCR hikes by six months (we now expect the first hike in February 2022). This is expected to push mortgage rates higher, leading to an earlier trough in annual house price inflation than previously (Figure 4).



Housing market overview

Figure 4. House price forecast

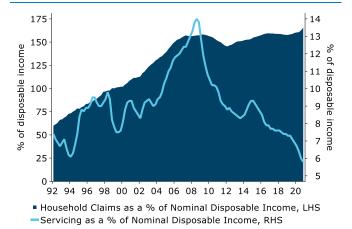


Source: REINZ, Macrobond, ANZ Research

As before, our house price forecasts reflect an expectation that Government policies, credit and affordability constraints, and tighter financial conditions will drive a moderation. But this is now balanced against a better economic outlook, and as we highlighted in last month's edition, an ongoing under-supply of housing, albeit one that's gradually improving with the borders closed.

With so many factors pushing and pulling on housing at the moment, risks around our outlook are wideranging. On balance, we think stronger-than-expected house price inflation is probably more likely than weaker, but the lion's share of the 'lower-probability, higher-impact' risks are skewed to the downside. Households' debt serviceability (figure 5) looks like it'll withstand 100 basis points or so of interest rate hikes, but all this debt accumulation means households are very susceptible to an income shock. And of course, even if higher debt servicing cost jumps aren't a problem in terms of households being able to meet mortgage payments, they can still crimp discretionary spending and therefore have an impact on the likes of the hospitality sector.

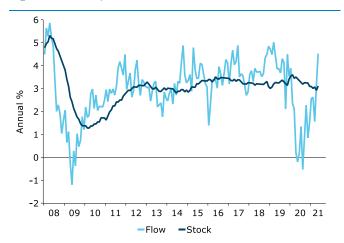
Figure 5. Household indebtedness and serviceability



Source: RBNZ, Macrobond

But it's not just house prices that have been on the up lately. Rent inflation is showing tentative signs of acceleration, with the 0.5% m/m in May the fastest monthly increase since March 2019. That's following a few months of average to sub-par rental inflation, meaning the annual change is nothing spectacular (up 3.1% y/y, within recent ranges) but this is certainly something worth keeping a close eye on over coming months. Higher-than-otherwise rents are a likely unfortunate side effect of recent Government tax policy changes, but the magnitude of the impact is unclear.

Figure 6. Rental price inflation



Source: Stats NZ, Macrobond, ANZ Research



Housing market overview

Housing market indicators for May 2021 (based on REINZ data seasonally adjusted by ANZ Research)

	Med	ian house pr	ice	House pri	ice index	# of	Monthly	Average
	Level	Annual % change	3-mth % change	Annual % change	3-mth % change	monthly sales	% change	days to sell
Northland	\$688,226	29.3	5.9	24.8	6.9	164	-28%	34
Auckland	\$1,131,684	26.6	4.9	26.4	6.6	2,555	-11%	31
Waikato	\$730,035	21.8	6.7	33.8	10.0	628	-19%	27
Bay of Plenty	\$831,748	33.0	6.6	30.1	6.8	437	-11%	31
Gisborne	\$638,528	49.7	18.2			49	+34%	33
Hawke's Bay	\$745,734	34.8	9.9	35.7	8.0	208	-6%	29
Manawatu-Whanganui	\$584,184	38.8	8.6	52.1	9.6	273	-17%	24
Taranaki	\$556,123	29.2	6.7	33.5	9.4	153	-13%	22
Wellington	\$887,660	30.5	4.5	41.8	9.0	707	-9%	30
Tasman, Nelson & Marlborough	\$723,637	22.4	6.7			186	-16%	28
Canterbury	\$582,883	26.6	6.9	25.6	7.6	1,030	-10%	27
Otago	\$677,273	33.2	6.5	24.0	4.8	363	-4%	30
West Coast	\$291,534	33.6	4.8	28.8	8.1	59	+12%	31
Southland	\$404,645	16.6	5.1	21.5	6.1	136	-16%	24
New Zealand	\$810,753	32.3	5.1	29.9	7.5	6,956	-12%	29



Mortgage borrowing strategy

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.

Summary

Longer-term fixed mortgage rates continue to rise and are now well above lows seen earlier in the year. In contrast, shorter-term rates continue to edge lower, taking the average 1-year rate to yet another record low. Appealing as lower short-term rates are, they don't offer certainty for long. To echo the thoughts we have had for some months now, we think there is merit in considering fixing for longer, even if rates have risen slightly. Since our last edition, the RBNZ has signalled that they expect to hike the OCR in 2022, and we expect the first hike to come in February. That's less than a year away, and if we are right, it could be more expensive to fix in a year's time, which supports the idea of fixing for longer now.

Our view

Mortgage rates have continued grinding slowly higher, with 3 and 5-year rates now 0.12%pts and 0.33%pts above where they were a month ago respectively, and 0.23%pts and 0.63%pts above their respective lows. This move was sparked by an earlier move in wholesale rates, with mortgage rates catching up. In contrast, 6-month and 1-year rates have continued to fall, taking the latter to a new record low. Although the fall in the average 6-month rate was bigger, this rate isn't seen by most borrowers as attractive, and we share those sentiments, with the 1-year rate both lower and offering increased time certainty.

Pleasing as it may be for borrowers to observe falls in shorter-term rates, the trouble is, these rates don't offer certainty for long, and at the moment, that's likely to be what people want. Given our expectation that the RBNZ will lift the OCR sooner rather than later (with the first hike likely in February), we think that certainty is of greater-than-usual value at present. Households have collectively been very savvy borrowers since 2008, having kept their fixed terms short, allowing themselves to re-fix at ever cheaper rates as interest rates have fallen. However, that strategy starts to come unstuck as interest rates rise, and to echo comments made over the past few months, we think it is worth considering fixing for a longer term, even if it costs more. In short, we worry that simply selecting the cheapest rate now could work out to be more expensive in the long run.

Before we get into the analysis, it is worth spending a little more time talking about the RBNZ, and the US equivalent, known as the Federal Reserve (the "Fed"). That's because since our last edition, both of these central banks have forecasted that they may lift their

respective cash rates in 2022 or 2023. And that matters a lot, because what the RBNZ does directly affects shorter-term rates, and what the Fed does tends to affect longer-term interest rates (because global financial markets are highly correlated). Regular readers will be aware that we at ANZ have been calling for RBNZ OCR hikes for a little while now, so what's all the fuss? Well, it's mostly that wholesale markets have really started to take note now that both the RBNZ and the Fed have themselves suggested they might hike. And in both cases, the hikes they signalled were more than what markets were pricing in, causing interest rates to lift in response.

So, what does breakeven analysis show? Let's compare, say, a string of back-to-back 1-year fixes to the 2-year and 3-year. Breakeven calculations show that the 1-year rate would need to remain below 2.97% in 1 years' time and 3.81% in 2 years' time in order for the back-to-back strategy to be cheaper over 2 and 3 years. That implies that the 1-year rate needs to rise by 0.78%pts over the next year and a further 0.84%pts the following year. That's more than we expect the OCR to rise by over the next year (we expect 0.25%pt hikes in both February and May). So the maths doesn't fully validate fixing for longer. However, it isn't far off, and if you are worried that the RBNZ might hike sooner rather than later (or faster), or you value certainty, a longer term could be worth considering for at least a portion of your debt.

Figure 1. Carded special mortgage rates^

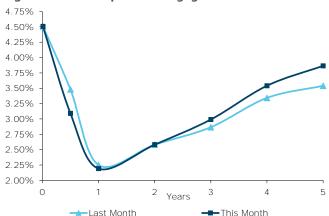


Table 1. Special Mortgage Rates

		Breakevens for 20%+ equity borrowers									
Term	Current	in 6mths	in 1yr	in 18mths	in 2 yrs						
Floating	4.51%										
6 months	3.09%	1.29%	2.78%	3.17%	3.61%						
1 year	2.19%	2.03%	2.97%	3.39%	3.81%						
2 years	2.58%	2.71%	3.39%	3.93%	4.50%						
3 years	2.99%	3.29%	3.99%	4.36%	4.72%						
4 years	3.54%	3.78%	4.28%								
5 years	3.87% #Average of "big four" banks										

^ Average of carded rates from ANZ, ASB, BNZ and Westpac.

Source: interest.co.nz, ANZ Research



Weekly mortgage repayments table (based on 25-year term)

	Mortgage Rate (%)													
	2.0	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25
200	196	201	207	213	219	225	231	237	243	250	256	263	270	276
250	244	251	259	266	273	281	289	296	304	312	320	329	337	345
300	293	302	310	319	328	337	346	356	365	375	385	394	404	415
350	342	352	362	372	383	393	404	415	426	437	449	460	472	484
G 400	391	402	414	426	437	450	462	474	487	500	513	526	539	553
(000 450 \$)	440	453	466	479	492	506	520	534	548	562	577	592	607	622
500	489	503	517	532	547	562	577	593	609	625	641	657	674	691
Siz 550	538	553	569	585	601	618	635	652	669	687	705	723	741	760
600 650 650	587	604	621	638	656	674	693	711	730	750	769	789	809	829
<u>\$</u> 650	635	654	673	692	711	730	750	771	791	812	833	854	876	898
₹ 700	684	704	724	745	766	787	808	830	852	874	897	920	944	967
750	733	754	776	798	820	843	866	889	913	937	961	986	1,011	1,036
800	782	805	828	851	875	899	924	948	974	999	1,025	1,052	1,078	1,105
850	831	855	879	904	930	955	981	1,008	1,035	1,062	1,089	1,117	1,146	1,174
900	880	905	931	958	984	1,011	1,039	1,067	1,095	1,124	1,154	1,183	1,213	1,244
950	929	956	983	1,011	1,039	1,068	1,097	1,126	1,156	1,187	1,218	1,249	1,281	1,313
1000	978	1,006	1,035	1,064	1,094	1,124	1,154	1,186	1,217	1,249	1,282	1,315	1,348	1,382

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

		Actual		Projections						
Interest rates	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
Floating Mortgage Rate	4.6	4.5	4.5	4.5	4.5	4.5	4.8	5.0	5.0	5.3
1-Yr Fixed Mortgage Rate	2.6	2.5	2.3	2.3	2.4	2.6	2.8	2.9	3.1	3.2
2-Yr Fixed Mortgage Rate	2.7	2.6	2.6	2.6	2.7	2.9	3.2	3.3	3.4	3.5
5-Yr Fixed Mortgage Rate	3.1	3.0	3.0	3.3	3.5	3.7	4.0	4.1	4.2	4.3

Source: RBNZ, ANZ Research

Economic forecasts

		Actual			Forecasts					
Economic indicators	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
GDP (Annual % Chg)	0.4	-0.8	2.4	15.3	1.8	3.6	2.8	3.4	3.8	3.9
CPI Inflation (Annual % Chg)	1.4	1.4	1.5	2.8	3.0	2.9	2.5	2.2	1.9	1.9
Unemployment Rate (%)	5.2	4.9	4.7	4.7	4.7	4.7	4.6	4.4	4.2	4.0
House Prices (Quarter % Chg)	4.3	7.8	7.8	6.3	3.2	1.7	0.1	-0.1	0.3	0.3
House Prices (Annual % Chg)	10.0	15.7	21.3	28.8	27.4	20.1	11.6	4.9	2.0	0.7

Interest rates	Sep-20	Dec-20	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
Official Cash Rate	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.75	0.75	1.00
90-Day Bank Bill Rate	0.31	0.27	0.35	0.33	0.36	0.56	0.82	0.90	1.07	1.15
10-Year Bond	0.50	0.99	1.81	1.80	2.00	2.25	2.50	2.75	2.75	2.75

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 27 664 3554 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



Liz Kendall (maternity leave) Senior Economist

Research co-ordinator, publication strategy, property market analysis, monetary and prudential policy.

Telephone: +64 27 240 9969 Email: elizabeth.kendall@anz.com



Miles Workman Senior Economist

Macroeconomic forecast coordinator, fiscal policy, economic risk assessment and credit developments.

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



Finn Robinson Economist

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

Telephone: +64 21 629 553 Email: finn.robinson@anz.com



Kyle UerataEconomic 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: 9 April 2021

This document is intended for ANZ's Institutional, Markets and Private Banking clients. It should not be forwarded, copied or distributed. The opinions and research contained in this document are (a) not personal advice nor financial advice about any product or service; (b) provided for information only; and (c) intended to be general in nature and does 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 and distributed in your country/region by either: Australia and New Zealand Banking Group Limited (ABN11 005 357 522) (**ANZ**); or its relevant subsidiary or branch (each, an **Affiliate**), as appropriate or as set out below

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 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 would be subject to additional licensing or registration requirements. Further, the products and services mentioned in this document may not be available in all countries.

ANZ in no way provides any 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 does not represent or warrant the accuracy or completeness of the information Further, ANZ 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 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. The 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 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 and its Affiliates may have an interest in the subject matter of this document. They may receive fees from customers for dealing in the 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 the 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's policies on conflicts of interest and ANZ maintains appropriate information barriers to control the flow of information between businesses within it and its Affiliates.

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

Country/region specific information: Unless stated otherwise, this document is distributed by Australia and New Zealand Banking Group Limited (ANZ).

Australia. ANZ holds an Australian Financial Services licence no. 234527. For a copy of ANZ's Financial Services Guide please or request from your ANZ point of contact.

Brazil, Brunei, India, 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.

European Economic Area (EEA): *United Kingdom.* ANZ is authorised in the United Kingdom by the Prudential Regulation Authority (**PRA**) and is subject to regulation by the Financial Conduct Authority (**FCA**) and limited regulation by the PRA. Details about the extent of our regulation by the PRA are available from us on request. 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 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 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.

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 publication 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 publication have not been reviewed by any regulatory authority in Hong Kong.

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.



Important notice

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

New Zealand. This material is for information purposes only and is not financial advice about any product or service. We recommend seeking financial 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 or Oman's Capital Market Authority. 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. Accordingly, 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.

Oatar. 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. This document is distributed in Singapore by the Singapore branch of 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 Cap. 289 of Singapore). ANZ is licensed in Singapore under the Banking Act Cap. 19 of Singapore and is exempted from holding a financial adviser's licence under Section 23(1)(a) of the Financial Advisers Act Cap. 100 of 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**) 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 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 this website or have otherwise received this document and are a US Person who is an individual: to avoid loss, you should cease to use this 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: 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 an 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.

This document has been prepared by ANZ Bank New Zealand Limited, Level 26, 23-29 Albert Street, Auckland 1010, New Zealand, Ph 64 9 357 4094, e-mail nzeconomics@anz.com, http://www.anz.co.nz