New Zealand Weekly Data Wrap

13 January 2023

ANZ 😯

This is not personal advice nor financial advice about any product or service. It does not take into account your financial situation or goals. Please refer to the Important Notice.



Forecast updates

Recent ANZ NZ Forecast Updates can be found here.

- NZ Forecast Update: ANZ releases milk price forecast for 2023-24 season
- NZ Weekly Data Wrap: taking stock after the MPS
- NZ Property Focus: six reasons
- RBNZ MPS Review and OCR Call Change: hope is not a strategy
- NZ Economic Outlook: coming in to land

Our other recent publications are on page 2.

What's the view?

- GDP currently constrained by supply more than demand
- Labour market still extremely tight, and very inflationary
- Inflation way above target, and looking sticky
- OCR to 5.75% by May to contain inflation

Our forecasts are on page 4.

Confused by acronyms or jargon? See a glossary here.

Key risks to our view



Global growth risks abound, not least in China, our key trading partner.

The housing slowdown could become disorderly if unemployment rises sharply.



The shock value of the November MPS could result in a more sudden stop.

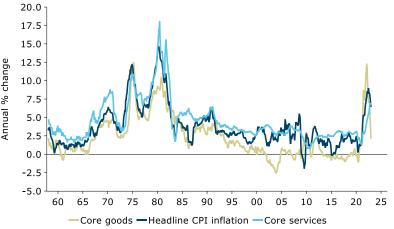


Global inflation pressures may not decline as quickly or as far as anticipated.

What happened this week?

The first week back from the holiday brought some good news on global inflation pressures, with US annual CPI inflation dropping back to 6.5% in December, down from the peak of 9.1% in June. Core inflation dropped to 5.7% y/y, down from a 6.6% peak in September. However, a lot of this is being driven by rapidly declining goods price inflation. Services inflation, more closely related to labour market conditions, remains strong, with core services inflation still increasing on an annual basis (figure 1). Fed speakers continue to emphasise the need to lift the fed funds rate above 5% given the ongoing strength in the labour market and services inflation, and we anticipate the Fed will deliver two further 25bp rate hikes, bringing the ceiling of the fed funds rate corridor to 5% (versus 4.5% currently).





Source: BLS, Macrobond, ANZ Research

The good news for New Zealand is that as supply chains continue to normalise, shipping costs fall, and the global inflation pulse wanes, we should be importing less inflation (ie tradables inflation should drop). But domestic inflation remains the key challenge for the RBNZ.

Monthly filled jobs data for November showed ongoing resilience in the Kiwi labour market. Filled jobs were up 0.2% m/m, and October's print was revised up to +0.2% m/m (from flat). The data is consistent with our expectation that employment growth will remain positive over the summer (Q4 and Q1), helping to keep the unemployment rate at (or even slightly below) the current very low level of 3.3%. Summer saw the tourism sector struggle to rebuild capacity as tourists arrived, with the hospitality, retail, and accommodation sectors severely constrained by labour shortages. That means we're likely to see evidence of the labour market remaining extremely stretched in the very near term.

However, looking ahead, storm clouds are building. Our December ANZ Business Outlook showed a sharp deterioration in employment intentions, consistent with our expectation that the labour market will start to soften significantly in the second half of 2023. And job ads were down 6.0% m/m in December.

More generally, as we start the new year, the risk profile around future monetary policy moves is evolving. To be clear, inflation in New Zealand is far too high, and looking well-entrenched. But early signs are that the shock





Recent Publications

ANZ produces a range of in-depth insights.

- NZ 2022 HYEFU: reprioritising
- NZ Insight: Risks to the OCR outlook
- NZ Insight: RBA/RBNZ policy divergence back in the spotlight
- NZ Property Focus: six reasons
- RBNZ Formulation and Implementation of Monetary Policy Review
- NZ Insight: our record breaking labour market
- NZ Property Focus: Testing times
- NZ Property Focus: spring bounce or false floor?
- NZ Insight: The inflation outlook and the balance of risks
- NZ Insight: 2020 hindsight
- NZ Agri Insight: feeding the world sustainably
- NZ Agri Focus: it's raining, it's pouring
- NZ Insight: the Australian labour market and the RBNZ
- NZ Property Focus: hardening headwinds and soft landings
- NZ Insight: the low consumer confidence puzzle
- NZ Property Focus: when, not if
- NZ Insight: He Waka Eke Noa recommendations
- Agri Insight: global food crisis to worsen
- NZ Budget Review: Big Budget Click here for more.



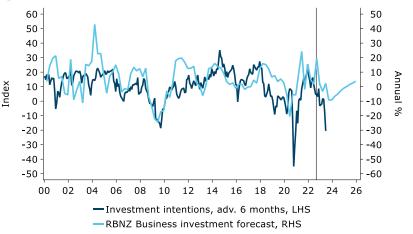
ANZ Proprietary data Check out our

Check out our latest releases below.

- ANZ Business Outlook
- ANZ-Roy Morgan Consumer Confidence
- ANZ Truckometer
- ANZ Commodity Price Index

value of the November Monetary Policy Statement (ie the confidence channel of monetary policy) could have been very significant. Throughout 2022, the story of monetary policy was endless upside surprises on inflation, and downward surprises re how much traction the RBNZ was getting on cooling the economy. But that MPS appears to have gotten traction. The fall in employment and pricing intentions in the December Business Outlook survey was entirely consistent with the RBNZ's forecasts, but indicators for business investment, residential construction and overall GDP were weaker. Of course, it's just one month of 'soft' data. The key question is whether the impact will stick around, or whether it was just a double-take that won't have long-lasting impacts. We've added a January Business Outlook survey to try to get a timely initial read on that question.

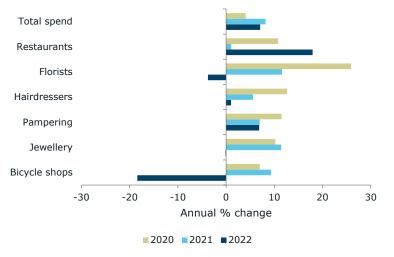
Figure 2. ANZBO investment intentions and RBNZ business investment forecast



Source: RBNZ, Macrobond, ANZ Research

Of course whether firms do pull back their expansion plans will ultimately depend on consumer behaviour. In November, the RBNZ Governor instructed consumers to "cool their jets". ANZ card spending data for December suggests they might have listened. Restaurant spend is well up, likely reflecting tourist arrivals, but Christmas pressy spending and discretionary spending like hairdressing were relatively weak. Note too that this is nominal spending – the prices of these items will have risen sharply over the past 12 months, implying even weaker sales volumes.

Figure 3. ANZ card spending data for December



Source: ANZ

Certainly consumer confidence is dire, and took another leg lower after the Monetary Policy Statement. But weak consumer confidence isn't new.



Households have been saying one thing and doing another for 18 months now, due to both strong wage growth and excellent job security. Strong wage growth will be around a while, but job security may well have taken a hit from the RBNZ's words and deeds in November. Certainly media coverage of the MPS and the "deliberate recession" was off the scale. And aside from the confidence question, while household income growth is very strong, more and more households are ticking over onto significantly higher mortgage rates. It's important to note that due to strong income growth, in our forecasts a 5.75% OCR implies the household debt-servicing burden will peak below 2008 levels (a bit above two thirds of 2008 levels to be more precise). However, a backdrop of ongoing falls in house prices is important – the RBNZ shouldn't need to raid people's pockets to the same extent.

A few points of broader context are helpful here.

First, the tourism recovery is muddying the waters considerably in terms of reading the momentum of the activity and employment data. That'll remain the case until the Q2 data starts rolling in.

Second, it's important to recall that the RBNZ (and we, and everyone else) are already forecasting a recession – or something close to it. Not all weak data is a downside surprise nor an unintended consequence. That said, it's one thing to say you're going to hike the OCR aggressively into the face of sharply weakening high-frequency activity data, but quite another to actually do it.

And third, net migration is lifting sharply – though data revisions mean one can't be sure until at least six months after the event. Immigration boosts both labour supply and housing demand, making its impacts on inflation ambiguous. However, in today's context, with the tightest labour market on record but the housing market in full retreat, it seems likely the disinflationary impact would dominate in the near term. That is, it's hard to imagine population growth reigniting the housing market any time soon, but less difficult to envisage firms deciding perhaps they don't need to offer such large pay increases to retain their staff as they thought, because it might soon be easier to replace people.

All up, we see the risks around our OCR call (a peak of 5.75%) as clearly to the downside now that the MPS has caused such a double take. But not only do we need to see whether that impact 'sticks'; upcoming Q4 CPI data is key. While inflation is the most backward-looking data there is, it is understandably front and centre of the RBNZ's thinking at the moment, and over the past year, CPI data has been the key driver of revisions to forecasts of how high interest rates need to go.

We'll also be watching labour market indicators very closely. As long as the risk of a wage-price spiral remains elevated, the RBNZ has little choice but to plough on.



Financial markets update

Calendar What's coming up

in the months ahead.

Data /overt

Date	Data/event
Tue 17 Jan (10:00am)	NZIER QSBO – Q4
Wed 18 Jan	GlobalDairyTrade
(early am)	auction
Wed 18 Jan	Electronic Card
(10:45am)	Transactions – Dec
Thu 19 Jan	Food Price Index –
(10:45am)	Dec
Thu 19 Jan	Rental Price Index –
(10:45am)	Dec
Fri 20 Jan	BusinessNZ Manuf
(10:30am)	PMI – Dec
Fri 20 Jan (10:45am)	Net Migration – Nov
Tue 24 Jan	Performance
(10:30am)	Services Index – Dec
Tue 24 Jan	Merchandise Trade –
(10:45am)	Dec
Wed 25 Jan (10:45am)	CPI – Q4
Fri 27 Jan	ANZ Business
(1:00pm)	Outlook - Jan
Wed 1 Feb	Labour Market –
(10:45am	Q4
Thu 2 Feb	Building Permits –
(10:45am)	Jan
Fri 3 Feb	ANZ-RM Consumer
(10:00am)	Confidence – Jan
Tue 7 Feb	ANZ Commodity
(1:00pm)	Price Index – Jan
Wed 8 Feb	GlobalDairyTrade
(early am)	auction
Thu 9 Feb	ANZ Truckometer –
(10:00am)	Jan
Fri 10 Feb	BusinessNZ Manuf
(10:30am)	PMI – Jan
Fri 10 Feb	Electronic Card
(10:45am)	Transactions – Jan
Mon 13 Feb	Performance
(10:30am)	Services Index – Jan
Tue 14 Feb	Food Price Index –
(10:45am)	Jan
Tue 14 Feb	Rental Price Index –
(10:45am)	Jan
Tue 14 Feb	RBNZ 2Yr Inflation
(3:00pm)	Expectation – Q1
Thu 16 Feb (10:45am)	Net Migration – Dec
Wed 22 Feb	GlobalDairyTrade
(early am)	auction
Wed 22 Feb	Merchandise Trade –
(10:45am)	Jan
Wed 22 Feb	RBNZ Monetary
(2:00pm)	Policy Statement

Interest rate markets

Global bond yields have fallen significantly in recent weeks as markets have re-assessed the outlook for monetary policy. US markets led the move, fuelled by weaker than expected wages and ISM data, and moderating inflation. US markets are now firmly of the view that the Fed will slow the pace of hikes and deliver just a 25bp hike next month. While that has no direct relevance for the RBNZ, with local leading indicators turning lower and signs that November's 75bp hike had some real shock value, the risk is markets here start to question whether the RBNZ will be brave enough to deliver a 75bp hike in February. CPI data next week will be key, but local rates will be sensitive to gradually falling US and global rates.

FX markets

Moderating Fed rate hike expectations continue to weigh on the USD. That, alongside optimism around China's reopening has helped boost commodity and emerging market currencies as 2023 has gotten underway. While that's a logical response, if rate markets here start to shy away from pricing in aggressive hikes, and the Fed continues to remind markets that it will keep policy elevated for an extended period, recent NZD optimism could fade.

Key data summary

ANZ Commodity Price Index – December. The ANZ World Commodity **Price Index** finished 2022 down 11.4% y/y after retreating 0.1% in December.

Building Permits – November. Up 7% m/m following October's 10.7% fall. These data are volatile at the best of times, but looking through that there is a moderating trend at play.

The week ahead

NZIER Quarterly Survey of Business Opinion – Q4 (Tuesday 17 January, 10:00am). We expect to see a similar vibe to our Business Outlook: dire headline confidence following the hawkish November MPS. The QSBO survey was sent out a week or so after the MPS so it would have been fresh in the minds of respondents.

REINZ House Prices – December (17-20 January). The pace of house price declines accelerated in November, with the HPI down 1.9% m/m. If that persists it could be a signal that downside risks to our forecast for a peak to trough decline of 22% are materialising.

GlobalDairyTrade auction (Wednesday 18 January, early am). Futures prices indicate a small lift in dairy prices as demand from China improves.

Electronic Card Transactions – December (Wednesday 18 January, 10:45am). Our card spending data suggest a 0.5-1.0% m/m decline is likely. In inflation-adjusted terms, that's quite weak.

Food Prices – December (Thursday 19 January, 10:45am). Food prices are usually flat/down slightly in December, but nothing about 2022's food prices has been 'usual'. We're pencilling in a 0.3% m/m lift in December food prices, which would see the annual rate of food price inflation ease to 10.4%.

Rental Price Index – December (Thursday 19 January, 10:45am). We expect rent prices were up 0.2% m/m in December, seeing annual rent inflation ease to 3.8% (4.0% previously).

Performance of Manufacturing Index – December (Friday 20 January, 10:30am). Slipped further into contractionary territory in December. Hard to see that broad momentum story changing, but these data can be volatile month to month.

Net Migration – November (Friday 20 January, 10:45am). Monthly net inflows have already recovered to their 20-year average. Assuming no revisions (a big assumption for these data), the upwards trajectory in arrivals suggests upside risks are emerging to our forecast for a total net inflows of just under 20,000 people in 2023.





		Actual				Forecast (end month)				
FX rates	Nov-22	Dec-22	Today	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	
NZD/USD	0.624	0.635	0.639	0.610	0.610	0.620	0.630	0.640	0.640	
NZD/AUD	0.927	0.932	0.918	0.938	0.924	0.912	0.900	0.889	0.877	
NZD/EUR	0.602	0.593	0.589	0.604	0.592	0.590	0.594	0.593	0.582	
NZD/JPY	86.6	83.3	82.7	79.3	78.1	78.1	78.1	78.1	76.8	
NZD/GBP	0.520	0.525	0.524	0.530	0.521	0.521	0.516	0.516	0.508	
NZ\$ TWI	72.4	72.1	71.5	70.6	69.6	69.7	70.0	70.2	69.5	
Interest rates	Nov-22	Dec-22	Today	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	
NZ OCR	4.25	4.25	4.25	5.00	5.75	5.75	5.75	5.75	5.75	
NZ 90 day bill	4.42	4.65	4.79	5.77	5.85	5.85	5.85	5.85	5.85	
NZ 2-yr swap	5.14	5.38	5.04	5.35	5.35	5.15	5.10	5.05	4.95	
NZ 10-yr bond	4.08	4.47	4.02	4.25	4.20	4.15	4.05	4.05	4.00	

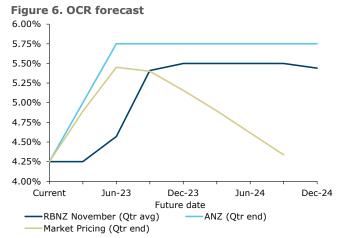
Economic forecasts

	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24
GDP (% qoq)	2.0	0.3	0.2	-0.2	-0.6	-0.4	-0.1	0.3	0.4
GDP (% yoy)	6.4	3.8	4.5	2.3	-0.3	-1.0	-1.3	-0.8	0.2
CPI (% qoq)	2.2	1.3	2.0	0.8	1.0	0.6	0.7	0.4	0.6
СРІ (% уоу	7.2	7.0	7.3	6.4	5.1	4.5	3.1	2.8	2.4
Employment (% qoq)	1.3	0.3	0.2	0.1	-0.4	-0.4	-0.4	-0.1	0.1
Employment (% yoy)	1.2	1.5	1.8	1.9	0.2	-0.5	-1.1	-1.2	-0.8
Unemployment Rate (% sa)	3.3	3.2	3.3	3.4	3.9	4.4	4.9	5.1	5.2

Figures in bold are forecasts. mom: Month-on-Month; qoq: Quarter-on-Quarter; yoy: Year-on-Year. Click here for full ANZ forecasts

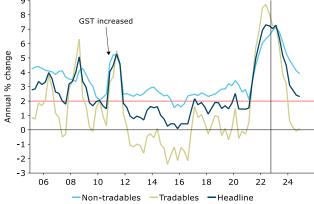
Figure 4. GDP level





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

Figure 5. CPI inflation components









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



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



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



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 General enquiries: research@anz.com

Follow ANZ Research @ANZ_Research (global)



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



Finn Robinson Economist

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

Telephone: +64 21 629 553 Email: **finn.robinson@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 Last updated: 1 September 2022

This document (which may be in the form of text, image, video or audio) 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 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 entails 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 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 Banking Group Limited 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).

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 (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.** 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 Cap. 289 of Singapore). ANZ is licensed in Singapore under the Banking Act Cap. 19 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 Minor Non-Monetary Benefits (**AMNMB**) under the relevant inducement rules of the FCA. ANZ is authorised in the United Kingdom 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. 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