

New Zealand Weekly Data Wrap

12 May 2023



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.



Contact us

See [page 5](#).

Forecast updates

Recent ANZ NZ Forecast Updates can be found [here](#).

- [NZ Property Focus: nearing the bottom](#)
- [NZ Forecast Update: getting an extension](#)
- [NZ Forecast Update: milk price forecasts revised down](#)

Our other recent publications are on [page 2](#).


What's the view?


- GDP transitioning from acute supply constraints to a softening demand pulse.
- Labour market still tight, but expected to cool.
- Inflation way above target and looking sticky.
- OCR to 5.50% at May 24th decision, 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 and financial market risks abound, as markets debate the rates outlook.

 Soaring net migration could see house prices start to rise again.

 Negative supply shocks, including weather impacts, could see inflation hold up.

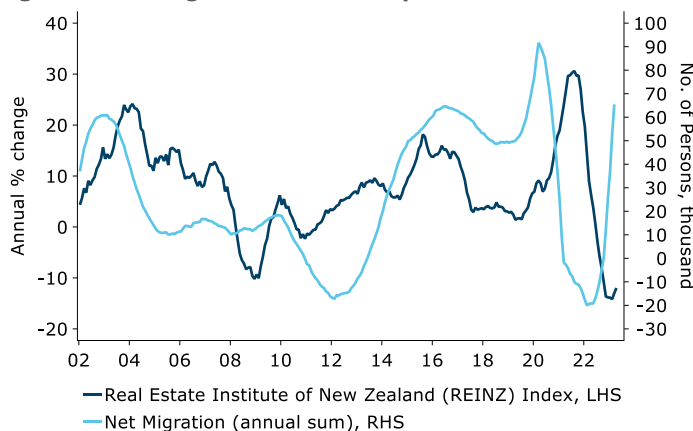
 NZ's large external imbalances could see the market impose a more abrupt adjustment path.

What happened this week

The [REINZ House Price Index](#) was unchanged on a seasonally adjusted basis in April. Coupled with a 7.1% m/m (sa) increase in sales (albeit from very low levels), and no change in the number of days to sell, the outturn was consistent with a housing market that's nearing a turn. While it's only one month of data, it adds upside risk to our recently updated house price forecast (an 18% peak-to-trough decline, from 22% previously).

While we're not expecting house prices to take off again, the boost to demand from surging migration does pose some upside risk. In March, about 12.5% of home sales were to people currently on resident visas. That trend has been rising steadily in recent years, although that doesn't necessarily reflect new arrivals in the country. There tends to be a lagged relationship between net migration and house prices, and while correlation doesn't necessarily imply causation, the increased demand for housing at a time when new supply is slowing is likely to put upward pressure on prices. That said, there's still plenty of downward pressure from other headwinds, namely relatively high borrowing costs, a slowing economy, and a loosening labour market.

Figure 1. Net migration and house price inflation



Source: REINZ, Stats NZ Macrobond, ANZ Research

Net migration continued to surge in March, with a net inflow of 12,100 new migrants, and revisions to Stats NZ's historical data adding an extra 1000 migrants in the last year. The annualised rate for the first three months of the year is nearly 130k – well in excess of the highs we saw pre-COVID. That certainly adds upside risk to our forecasts for activity, labour supply and house prices, as we all budge up.

The impact on inflation, however, is ambiguous. All else equal, greater labour supply will ease capacity constraints in the tight labour market and reduce wage pressures. But wages tend to respond with a lag, and new migrants entering the country add to demand in other areas, particularly the housing market. The overall inflation impact of migration will partly depend on the composition of new migrants (eg families tend to boost demand more than single working migrants). Research has tended to show that migration is net positive for demand, and the RBNZ noted in April that it poses upside risks to inflation in the medium term. Given the current capacity constraints in the labour market, labour supply growth may be more disinflationary than usual. But our gut feel is that it's an upside risk to the OCR.



Looking ahead



Recent Publications

ANZ produces a range of in-depth insights.

- [NZ Economic Outlook: moving parts](#)
- [NZ Insight: divergence across the Tasman, recession for NZ but not for Oz](#)
- [NZ Property Focus: nearing the bottom](#)
- [NZ Agri Focus: a further lift required](#)
- [NZ Property Focus: Not a straight line](#)
- [NZ Insight: Inflation rotation](#)
- [NZ Insight: second wind for the labour market?](#)
- [NZ Property Focus: rain check](#)
- [NZ Insight: inflationary risks from Gabrielle](#)
- [NZ Agri Focus: opportunities and challenges ahead](#)
- [NZ Agri Focus: a year of challenges](#)
- [NZ 2022 HYEPU: 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 Insight: 2020 hindsight](#)

Click [here](#) for more.



ANZ Proprietary data

Check out our latest releases below.

- [ANZ Business Outlook](#)
- [ANZ-Roy Morgan Consumer Confidence](#)
- [ANZ Truckometer](#)
- [ANZ Commodity Price Index](#)

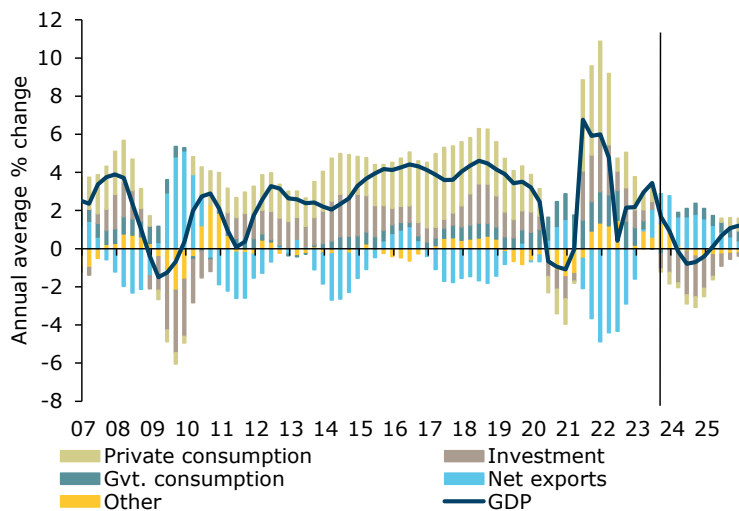
Attention turns to the 'no frills' Budget

Next Thursday's [Budget](#) marks the last milestone before the May MPS, and we (and the RBNZ) will be closely watching to see the level of fiscal stimulus, and any repercussions for monetary policy. While the rebuild from severe weather events earlier in the year will require a substantial investment, the Government has already announced that no taxes or levies will be introduced to fund the recovery. Given that reprioritised spending is unlikely to cover the shortfall, coupled with our expectation of a weaker tax take than that previously forecast at November's HYEPU, it's likely that net new spending will be required and we're expecting the Treasury will signal the return to surplus will be delayed another year to 2025/26.

All up, while responding to the cyclone is absolutely the right thing to do, running wider-for-longer fiscal deficits and adding further macroeconomic stimulus to an already out-of-balance economy is potentially problematic. With inflation still near multi-decade highs and the annual current account deficit at its highest level since quarterly records began in 1987, there's certainly risks to both the sustainability of our external position and that high inflation proves more persistent, leaving more work for monetary policy to do.

In the last few weeks in the lead-up to the MPS the RBNZ has been surprised to the downside on inflation in Q1, while the labour market remained broadly tighter than their estimates. We're still picking that the RBNZ will deliver one more 25bp hike before they pause, but next week's Budget certainly adds upside risks to the ultimate OCR peak. For now, we're picking a terminal rate of 5.50% is enough to cool demand in the economy, as we highlight in our latest [Quarterly Economic Outlook](#).

Figure 2. GDP Forecast

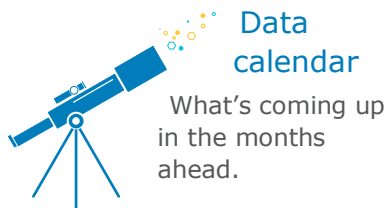


Source: Stats NZ, ANZ Research

Our latest Quarterly Economic Outlook, published this week, highlighted that the economy is on the verge of a policy-induced slowdown. Higher interest rates, falling house prices, weak confidence and loosening in the labour market are all expected to weigh on household spending, and in conjunction with weaker business and residential investment, see the economy enter recession in the second half of 2023, with a total contraction of 1.1% pencilled in through to the start of 2024. The slowdown sees the unemployment rate lift to 5.4%. As demand slows, and supply disruption continues to dissipate, inflation is forecast to gradually ease from 6.7% y/y currently to 5.2% y/y and returning to the target band from the second half of 2024. We assume recent strong net migration numbers pent-up demand that will soon wane, but it's a key risk to our forecasts.



Financial markets update



Date	Data/event
Fri 12 May (3:00pm)	2Yr Inflation Expectations – Q2
Mon 15 May (10:30am)	Performance Services Index – Apr
Wed 17 May (early am)	GlobalDairyTrade auction
Thu 18 May (2:00pm)	NZ Budget 2023
Fri 19 May (10:45am)	Merchandise Trade – Apr
Tue 23 May (10:00am)	ANZ Truckometer – Apr
Wed 24 May (10:45am)	Retail Sales – Q1
Wed 24 May (2:00pm)	RBNZ MPS
Fri 26 May (10:00am)	ANZ-RM Consumer Confidence – May
Tue 30 May (10:45am)	Building Permits – Apr
Wed 31 May (1:00pm)	ANZ Business Outlook – May
Wed 31 May (3:00pm)	RBNZ Sectoral Lending – Apr
Fri 2 Jun (10:45am)	Terms of Trade – Q1
Fri 2 Jun (10:45am)	Building Work Put in Place – Q1
Tue 6 Jun (1:00pm)	ANZ Commodity Price Index – May
Wed 7 Jun (early am)	GlobalDairyTrade auction
Thu 8 Jun (10:45am)	Economic Survey of Manufacturing – Q1
Mon 12 Jun (10:45am)	Electronic Card Transactions – May
Tue 13 Jun (10:45am)	Net Migration – Apr
Wed 14 Jun (10:45am)	Food Price Index – May
Wed 14 Jun (10:45am)	Rental Price Index – May
Wed 14 Jun (10:45am)	Current Account – Q1
Thu 15 Jun (10:45am)	GDP – Q1
Fri 16 Jun (10:30am)	BusinessNZ Manuf PMI – May
Mon 19 Jun (10:30am)	Performance Services Index – May
Wed 21 Jun (early am)	GlobalDairyTrade auction
Thu 22 Jun (10:45am)	Merchandise Trade – May

Interest rate markets

Bond market volatility has picked up again, led by the US, where markets are banking on no more Fed hikes as regional bank wobbles rock confidence. However, data continues to come in on the strong side, which has left senior Fed officials reluctant to call an end to the tightening cycle. We expect this tug of war to continue with rates remaining volatile, as is a typical late-cycle dynamic. The local market is being subjected to similar contrasts in underlying data and policy expectations, all of which speaks to volatility, with markets confident of another 25bp hike, but similarly confident of at least two cuts by next May. We still see upside risks to short-end rates, and don't expect the RBNZ to give markets the nod re the cuts that are currently priced in. But that's a story for the week after next, when we get the May MPS. Next week's [Budget](#) is the focus for the local bond market; we expect a deterioration in the fiscal outlook and more bond supply, validating the recent underperformance of bonds.

FX markets

Although the Kiwi snapped back overnight, it has had a solid start to May, finding support from a weaker USD and decent carry against currencies like the AUD. As with interest rates, volatility beckons as markets debate the strength of safe-haven demand amid US regional bank woes, but also look to take the USD DXY back towards fair value (which we see as around 10% lower). NZD/AUD has been held up by interest rate differentials, but relative economic factors (current account, fiscal and growth outlooks) point lower.

Key data summary

Electronic Card Transactions – April. Total spending rose 1.0% m/m (sa), and retail rose 0.7% m/m. Still yet to see a clear softening in nominal spending.

Food Prices – April. Rose 0.5% m/m, taking the annual rate to 12.5% y/y - a record high.

Rental Price Index – April. Rose 0.4% m/m (3.7% y/y). The flow measure lifted 0.9% m/m, which may be an indication of growing demand.

REINZ House Prices – April. [House prices](#) were flat m/m on a seasonally adjusted basis to be 16.3% below their November 2021 peak.

Manufacturing PMI – April. Rose 1.0 pts to a still-contractionary reading of 49.1.

Net Migration – March. Net migration came in at 12.1k for the month. The annualised figure for the past three months is almost 130k.

The week ahead

RBNZ Inflation Expectations – Q2 (Friday 12 May, 3:00pm). Lower starting point and declining forecasts suggest near-term measures should fall.

Performance Services Index – April (Monday 15 May, 10:30am). Fell to a still-expansionary 54.4 in March. A further step down would be consistent with our outlook.

GlobalDairyTrade auction (Wednesday 17 May, early am). Dairy prices are expected to firm by a further 2% as we head towards the end of the NZ milk production season.

NZ Budget 2023 (Thursday 18 May, 2.00pm). See our [Preview](#).

Overseas Merchandise Trade – April (Friday 19 May, 10:45am). Imports are expected to fall in April but still outpace exports by approximately \$1bn.



Key forecasts and rates

	Actual			Forecast (end month)					
	Mar-23	Apr-23	Today	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24
FX rates									
NZD/USD	0.626	0.618	0.630	0.630	0.640	0.650	0.650	0.650	0.650
NZD/AUD	0.936	0.935	0.940	0.926	0.914	0.903	0.903	0.903	0.890
NZD/EUR	0.577	0.561	0.577	0.568	0.571	0.570	0.560	0.551	0.542
NZD/JPY	83.1	84.3	84.7	81.9	81.3	80.6	79.3	78.0	76.7
NZD/GBP	0.507	0.492	0.503	0.496	0.500	0.500	0.492	0.485	0.478
NZ\$ TWI	71.3	70.4	71.9	70.7	70.6	70.5	70.0	69.6	69.0
Interest rates									
NZ OCR	4.75	5.25	5.25	5.50	5.50	5.50	5.50	5.50	5.25
NZ 90 day bill	5.23	5.56	5.60	5.60	5.60	5.60	5.60	5.43	4.93
NZ 2-yr swap	5.03	5.05	5.02	5.25	4.75	4.34	4.25	4.15	4.10
NZ 10-yr bond	4.20	4.09	4.08	4.15	3.75	3.50	3.50	3.75	4.00

Economic forecasts

	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24
GDP (% qoq)	-0.6	0.2	0.3	-0.3	-0.6	-0.2	0.1	0.3	0.3
GDP (% yoy)	2.2	2.9	1.6	-0.4	-0.4	-0.8	-1.0	-0.4	0.5
CPI (% qoq)	1.4	1.2	1.1	2.0	0.7	0.8	0.5	0.8	0.5
CPI (% yoy)	7.2	6.7	6.1	5.9	5.2	4.7	4.0	2.8	2.6
Employment (% qoq)	0.5	0.8	0.3	-0.4	-0.4	-0.4	-0.1	0.1	0.2
Employment (% yoy)	1.6	2.5	2.8	1.2	0.3	-0.9	-1.3	-0.8	-0.2
Unemployment Rate (% sa)	3.4	3.4	3.5	4.0	4.4	5.0	5.2	5.3	5.4

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

Figure 3. GDP level

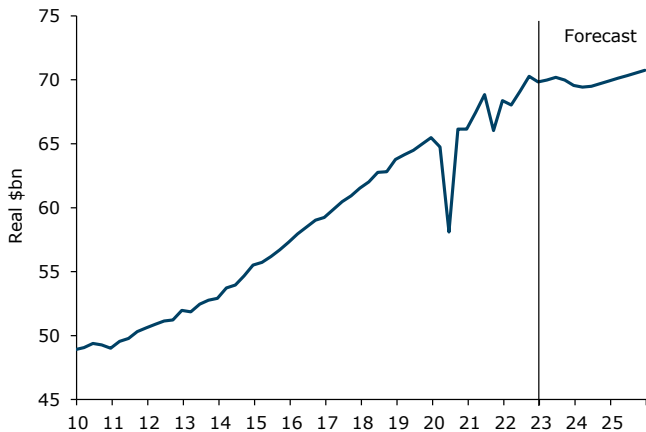


Figure 4. CPI inflation components

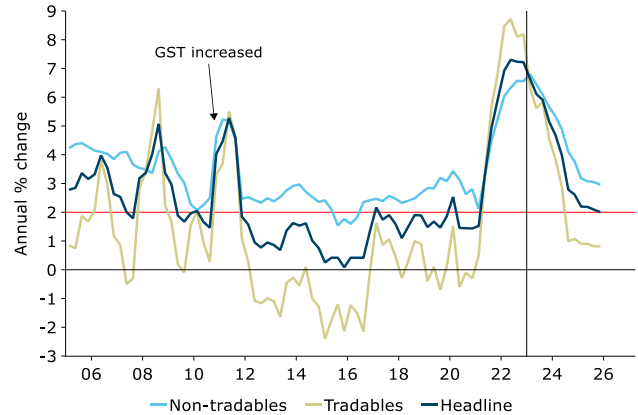


Figure 5. OCR forecast

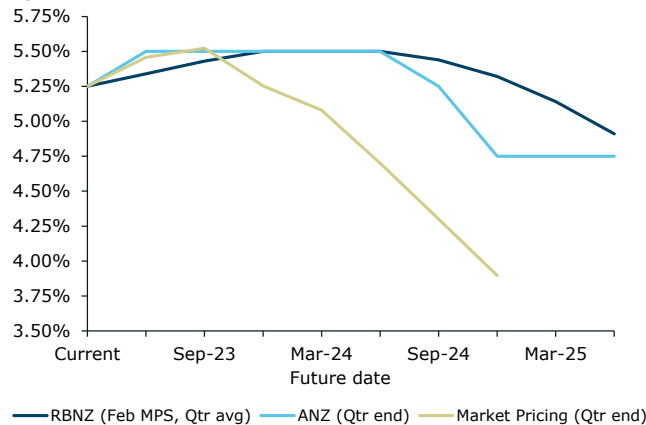
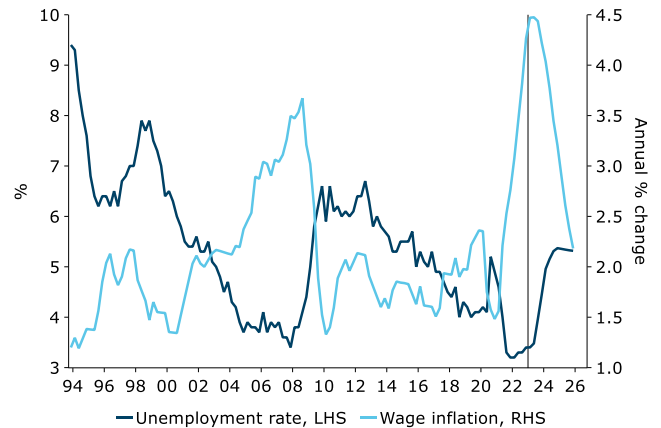


Figure 6. Unemployment and wage inflation



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



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, fiscal policy, economic risk assessment and credit developments.

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



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.