

# New Zealand Weekly Data Wrap

10 February 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 Forecast Update: milk price forecasts revised down](#)
- [NZ Economic Outlook: brake point](#)
- [NZ Property Focus: key themes for 2023](#)

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

## What's the view?

- GDP currently constrained by supply more than demand, but that's changing
- Inflation way above target, and looking sticky
- OCR to 5.25% 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, despite a recent flurry of optimism.



The housing slowdown could become disorderly if unemployment rises sharply.



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



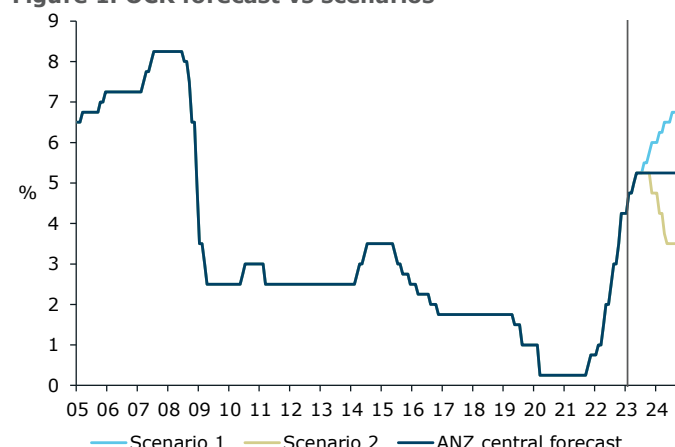
China's reopening could put upward pressure on commodity prices, pushing up tradables inflation.

## What happened this week?

This week we released our first [Quarterly Economic Outlook of 2023](#). We expect the RBNZ will join other central banks in dialling back the pace of interest rate hikes at their first meeting of 2023, on 22 February. With inflation looking like it's probably peaked, domestic indicators pointing to easing demand, and cracks starting to appear in a previously unstoppable labour market, the case for a slower pace of interest rate hikes is, in our view, clear. We expect a 50bp rate hike in February (down from 75bp in November, but still double the normal pace of 25bp), followed by two 25bp hikes in April and May, which would bring the OCR to a peak of 5.25% (4.25% currently). That's another 100bp of rate hikes in coming months.

Markets continue to price in interest rate cuts over the second half of 2023, but we aren't forecasting any cuts at the moment (our forecast horizon ends in December 2024). As outlined in more detail in our Quarterly, a key reason for that is that we still see risks on both sides of our call for a 5.25% peak in the OCR. On the upside, it's entirely possible that the domestic economy proves more resilient than anticipated to the monetary policy tightening delivered so far. Figure 1 outlines how this could eventuate, with the RBNZ getting the OCR to their desired 'watch, worry and wait' level (we see this as 5.25%) and pausing, only to see domestic data rolling in stronger than expected over the second half of 2023. This could see them resume hiking (albeit much more slowly than in 2022), with a series of 'top-up' hikes taking the OCR up to 7% by the end of 2024 (ie a similar level to the 2000s). Alternatively, it could be the case that the RBNZ ends up overshooting, with households tightening their belts more than expected, and businesses shedding headcount at a greater pace. This could see rates being slashed in late 2023/early 2024, with the OCR easing to 3.5%. Our central forecast balances these two opposing risks.

**Figure 1. OCR forecast vs scenarios**



Source: RBNZ, ANZ Research

We have downgraded our [milk price forecasts](#). We now see the 2022-23 season payout at \$8.50/kg milksolid (previously \$8.75). And our forecast for the 2023-24 season has also been revised down 25c to \$8.75/kg milksolid. The GlobalDairyTrade Price Index did lift 3.2% in this week's auction, but recent moves in dairy commodity prices and the exchange rate have been unfavourable for farmgate milk prices. Dairy commodity prices are expected to improve over 2023, but a stronger NZD/USD exchange rate is forecast to weigh on prices received by farmers.



## Looking ahead



### Recent Publications

ANZ produces a range of in-depth insights.

- NZ Agri Focus: opportunities and challenges ahead
- NZ Insight: early thoughts on the Upper North Island floods
- 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 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 Insight: the Australian labour market and the RBNZ
- NZ Property Focus: hardening headwinds and soft landings
- 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

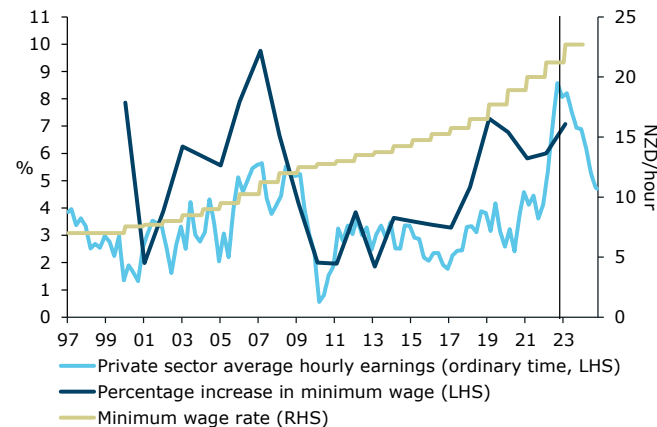
Check out our latest releases below.

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

### 2023 minimum wage announced

This week the Government [announced](#) the minimum wage will be increased by \$1.50 to \$22.70/hour from 1 April 2023. That would represent a 7.1% lift relative to 2022's \$21.20/hr. Such a lift in the minimum wage is actually not out of the ordinary relative to historical decisions nor the general trend in wages, but it does follow a period where minimum wage hikes have been well in excess of the growth in private sector average hourly earnings (figure 2).

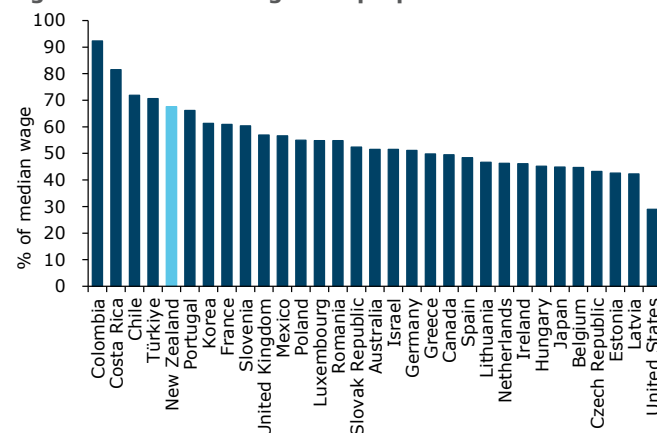
**Figure 2. NZ minimum wage and annual private sector wage growth**



Source: MBIE, Stats NZ, ANZ Research

The (un)employment effects of nationwide minimum wage hikes are very hard to pin down – especially since we will never know the counterfactual (ie how much employment would have grown without the increase). New Zealand's minimum wage is high relative to median earnings. OECD data (for 31 countries) shows our minimum wage was the fifth highest as a proportion of the median in 2021 (figure 3). That could suggest we may see more significant employment impacts from continued hikes to the minimum wage. However, [Maré and Hyslop \(2021\)](#) provide a thorough review (and updated analysis) of the impact of minimum wage hikes on the New Zealand labour market and "find no clear evidence that increases in the minimum wage have led to adverse employment effects". But they do note a large proportion of teenagers now have their wage rates determined by movements in the minimum wage, so this group could be exposed to any potential job losses.

**Figure 3. Minimum wage as a proportion of median earnings (2021 data)**



Source: OECD, ANZ Research

Ultimately, in a labour market still characterised by excess demand for workers, one would expect any unemployment impacts from a chunky minimum wage hike to be smaller than usual. It may cause overall wage (and CPI) inflation to be marginally higher than otherwise. But unless that bleeds through into higher inflation expectations, it's unlikely to influence the RBNZ's decision making.



## Financial markets update



### Data calendar

What's coming up in the months ahead.

Date	Data/event
Mon 13 Feb (10:30am)	Performance Services Index – Jan
Tue 14 Feb (09:00am)	REINZ House Prices – Jan
Tue 14 Feb (10:45am)	Food Price Index – Jan
Tue 14 Feb (10:45am)	Rental Price Index – Jan
Tue 14 Feb (3:00pm)	RBNZ 2Yr Inflation Expectation – Q1
Thu 16 Feb (10:45am)	Net Migration – Dec
Wed 22 Feb (early am)	GlobalDairyTrade auction
Wed 22 Feb (10:45am)	Merchandise Trade – Jan
Wed 22 Feb (2:00pm)	<b>RBNZ Monetary Policy Statement</b>
Mon 27 Feb (10:45am)	Retail Sales – Q4
Tue 28 Feb (1:00pm)	<a href="#">ANZ Business Outlook – Feb</a>
Tue 28 Feb (3:00pm)	RBNZ Sectoral Lending – Jan
Wed 1 Mar (10:45am)	Building Permits – Feb
Thu 2 Mar (10:45am)	Terms of Trade – Q4
Fri 3 Mar (10:00am)	<a href="#">ANZ-RM Consumer Confidence – Feb</a>
Mon 6 Mar (10:45am)	Building Work Put in Place – Q4
Mon 6 Mar (1:00pm)	<a href="#">ANZ Commodity Price Index – Feb</a>
Wed 8 Mar (early am)	GlobalDairyTrade auction
Thu 9 Mar (10:00am)	<a href="#">ANZ Truckometer – Feb</a>
Thu 9 Mar (10:45am)	Electronic Card Transactions – Feb
Fri 10 Mar (10:30am)	BusinessNZ Manuf PMI – Feb
Fri 10 Mar (10:45am)	Economic Survey of Manufacturing – Q4
Mon 13 Mar (10:30am)	Performance Services Index – Feb
Mon 13 Mar (10:45am)	Food Price Index – Feb
Mon 13 Mar (10:45am)	Rental Price Index – Feb
Tue 14 Mar (10:45am)	Net Migration – Jan
Wed 15 Mar (10:45am)	Current Account – Q4

### Interest rate markets

Last week's bumper US jobs report has forced markets to reassess the outlook for Fed policy. Fed speakers reiterating that there is still work to do (and that it's premature to contemplate easing, given still-high inflation) and renewed labour market strength have added upside pressure, and we don't expect any meaningful let-up any time soon. Bottom line, we are a long way from rate cuts in the US and here, and markets (that are still expecting cuts) are on notice.

### FX markets

NZD/USD has repriced lower as US bond yields have risen, but longer term we remain positive, and have [lifted our forecasts](#). But Australia looks better placed to benefit from China reopening, and we have lowered our NZD/AUD forecasts.

### Key data summary

**ANZ Roy Morgan Consumer Confidence – January.** [Consumer confidence](#) bounced 9 points to 83.4, led by more optimism about the future.

**ANZ Commodity Price Index – January.** The ANZ World [Commodity Price Index](#) eased 1.0% m/m.

**GlobalDairyTrade auction.** Dairy prices lifted, with the 3.2% increase in the GDT Price Index driven by a 3.8% rise in whole milk powder.

**ANZ Truckometer – January.** The [Light Traffic Index](#) (LTI) fell 0.7% in January, while the Heavy Traffic Index (HTI) lifted 0.8%.

**Performance of Manufacturing Index – January.** Bounced to 50.8 (47.2 previously), the first expansionary reading (ie above 50) since September last year. But new orders remained in negative territory (48.8, up 1 point).

**Electronic Card Transactions – January.** Retail card spending bounced 2.6% m/m, after a 2.3% fall in December.

### The week ahead

**Performance of Services Index – January (Monday 13 February, 10:30am).** Slowed to 52.1 in December (53.8 previously), but new orders were still strong at 58.4 (57.4 previously), which could point to ongoing strength in services momentum in January.

**REINZ House Prices – January (Tuesday 14 February, 09:00am).** We expect house prices continued to decline in January. As of December, we were about two-thirds of the way through the 22% peak-to-trough decline in prices we're forecasting.

**Food Prices – January (Tuesday 14 February, 10:45am).** It's highly uncertain how much the bad weather, egg shortages, and carbon dioxide shortages will add to the January Food Price Index. We've pencilled in a 3.0% m/m (11.7% y/y) jump in food prices (versus 2.7% m/m in January 2022). That would be the strongest monthly increase since 1989.

**Rental Price Index – January (Tuesday 14 February, 10:45am).** We expect a 0.3% m/m (3.9% y/y) lift in overall rent prices. However, with rental inflation on new tenancies dropping sharply in recent months, a smaller 0.2% m/m lift in overall rents wouldn't be too surprising either.

**RBNZ Inflation Expectations – Q1 (Tuesday 14 February, 3:00pm).** The two-year-ahead measure increased to 3.6% in Q4 (3.1% previously). If inflation expectations eased back in Q1, that would give the RBNZ further confidence to dial back some of November's hawkishness.

**Net Migration – December (Thursday 16 February, 10:45am).** Net migration has increased sharply in recent months, with monthly flows now above their pre-COVID average.



## Key forecasts and rates

FX rates	Actual			Forecast (end month)					
	Dec-22	Jan-23	Today	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24
NZD/USD	0.635	0.641	0.633	0.640	0.650	0.660	0.660	0.670	0.670
NZD/AUD	0.932	0.918	0.912	0.901	0.890	0.892	0.880	0.870	0.859
NZD/EUR	0.593	0.593	0.589	0.587	0.586	0.584	0.579	0.578	0.568
NZD/JPY	83.3	83.6	83.2	83.2	83.2	83.2	81.8	81.7	80.4
NZD/GBP	0.525	0.521	0.522	0.525	0.524	0.528	0.524	0.523	0.519
NZ\$ TWI	72.1	71.7	71.2	71.2	71.2	71.7	71.1	71.4	70.8
Interest rates	Dec-22	Jan-23	Today	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24
NZ OCR	4.25	4.25	4.25	4.75	5.25	5.25	5.25	5.25	5.25
NZ 90 day bill	4.65	4.91	5.00	5.27	5.35	5.35	5.35	5.35	5.35
NZ 2-yr swap	5.38	5.00	5.09	4.85	4.85	4.65	4.60	4.55	4.45
NZ 10-yr bond	4.47	4.17	4.20	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	<b>0.3</b>	<b>0.1</b>	<b>-0.1</b>	<b>-0.5</b>	<b>-0.4</b>	<b>-0.1</b>	<b>0.3</b>	<b>0.4</b>
GDP (% yoy)	6.4	<b>3.8</b>	<b>4.4</b>	<b>2.3</b>	<b>-0.2</b>	<b>-0.9</b>	<b>-1.1</b>	<b>-0.7</b>	<b>0.2</b>
CPI (% qoq)	2.2	1.4	<b>1.6</b>	<b>0.9</b>	<b>2.0</b>	<b>0.5</b>	<b>0.6</b>	<b>0.4</b>	<b>0.6</b>
CPI (% yoy)	7.2	7.2	<b>7.1</b>	<b>6.3</b>	<b>6.1</b>	<b>5.1</b>	<b>4.0</b>	<b>3.5</b>	<b>2.1</b>
Employment (% qoq)	1.3	0.2	<b>0.1</b>	<b>0.0</b>	<b>-0.4</b>	<b>-0.4</b>	<b>-0.4</b>	<b>-0.1</b>	<b>0.1</b>
Employment (% yoy)	1.2	1.3	<b>1.4</b>	<b>1.5</b>	<b>-0.2</b>	<b>-0.7</b>	<b>-1.2</b>	<b>-1.3</b>	<b>-0.8</b>
Unemployment Rate (% sa)	3.3	3.4	<b>3.4</b>	<b>3.6</b>	<b>4.1</b>	<b>4.5</b>	<b>5.0</b>	<b>5.3</b>	<b>5.4</b>

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

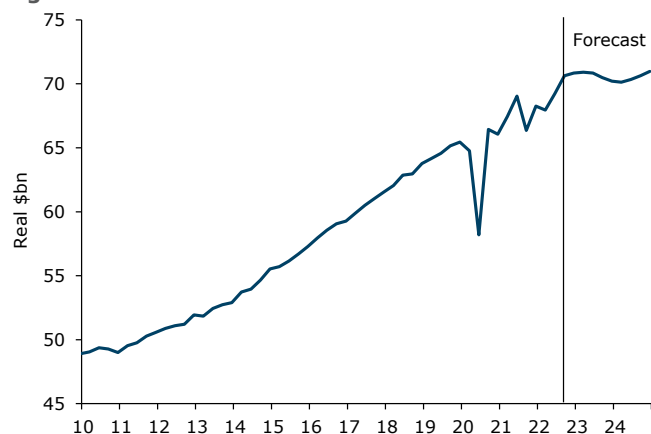


Figure 5. CPI inflation components

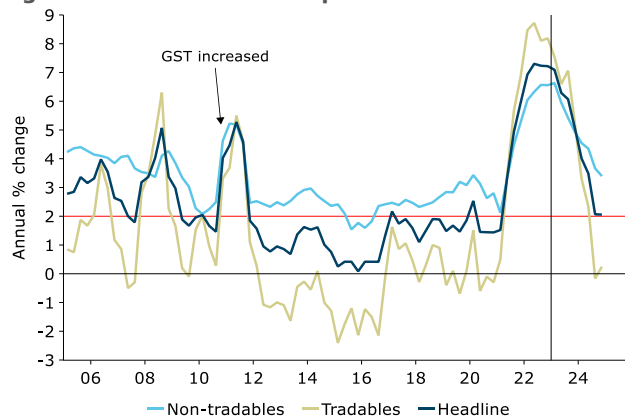


Figure 6. OCR forecast

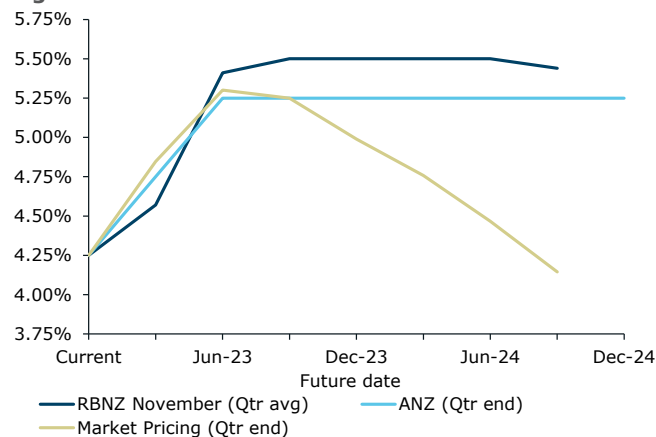
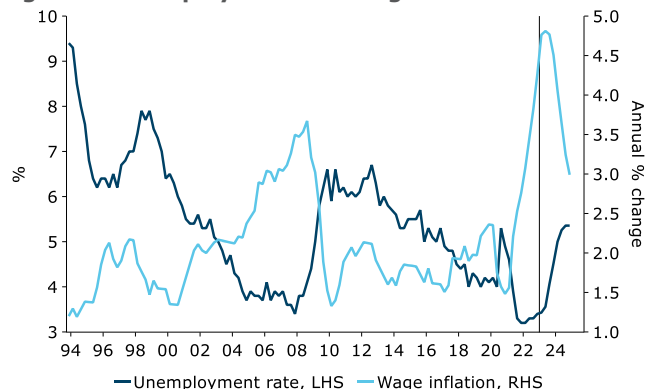


Figure 7. Unemployment and wage inflation



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](mailto:sharon.zollner@anz.com)

General enquiries:  
[research@anz.com](mailto: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](mailto: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](mailto: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](mailto: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](mailto:finn.robinson@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](mailto: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](mailto:natalie.denne@anz.com)



# Important notice

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 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 [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).

# Important notice

**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 and is exempted from holding a financial adviser's licence under Section 23(1)(a) of the Financial Advisers Act Cap. 100 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**). 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](http://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](mailto:nzeconomics@anz.com), <http://www.anz.co.nz>