New Zealand Weekly Data Wrap

22 July 2022



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 CPI Q2 2022 and OCR call change
- NZ Property Focus: When, not if
- NZ Quarterly Economic Outlook: rebalancing act
- NZ Forecast Update: farmgate milk price forecasts revised down

Our other recent publications are on page 2.

What's the view?

- GDP constrained by supply more than demand
- Labour market tighter than ever, and very inflationary
- Inflation way above target, but may have peaked in Q2
- Aggressive OCR hikes towards 4.0% in November 2022 needed to contain inflation

Our forecasts are on page 4.

Confused by acronyms or jargon? See a glossary here.

Key risks to our view

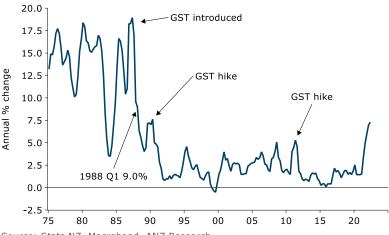


Global inflation pressures push inflation up more than expected in NZ over 2022.

What happened this week?

We learned this week that annual CPI inflation in New Zealand hit 7.3% in Q2 (figure 1) – higher than the RBNZ's May MPS forecast of 7.0%, and our own forecast of 7.1%. Excluding hikes to GST, CPI inflation is now the highest we've seen since Q1 1988, when it was 9%. It's worth noting that in the absence of the temporary fuel excise tax reduction (and other cost of living policies, including half-price public transport), the headline figure would likely have been close to 8%.

Figure 1. NZ CPI inflation



Source: Stats NZ, Macrobond, ANZ Research

The real news in this week's inflation data was the surge in non-tradables and core inflation measures. Non-tradables inflation rose to 6.3% y/y (vs 6.0% in Q1), ahead of the RBNZ's May forecast that it would ease to 5.7%. Nontradables prices, which are just over 60% of the CPI, capture goods and services that do not face international competition. Hairdressing and personal grooming services are the quintessential examples - and the cost of this item in the CPI has increased 6.1% y/y. Excluding GST hikes, we haven't seen a stronger increase in this CPI item since 1989 (we also saw a 6.1% lift in 2006). When we see such strong inflation prints for these kinds of goods and services, it's clear that New Zealand has a serious home-grown domestic inflation problem that needs to be dealt with.

Equally concerning was the surge in core inflation measures. These aim to strip out volatile components of inflation (like petrol prices) to try to get at the underlying CPI inflation trend. Measures of core inflation now range between 4.8% and 6.1%, and have shown no signs of peaking. Even including 2010's GST hike, core inflation hasn't been stronger in the past 20 years for which we have reliable data.

These concerning CPI details have led us to revise up our OCR forecast. Previously, we expected one more 50bp hike in August, before a reversion to 25bp hikes. Now, we expect the RBNZ will lift the OCR by 50bps in August, October, and November - bringing the OCR to 4% by the end of the year (figure 6) (previously 3.5%). That's 375bps of OCR hikes in 13 months. Touch wood, these hikes will take the heat out of the domestic inflation pulse before long. We're reasonably confident that Q2 CPI was the top, but until the domestic inflation pressures start to fade definitively (and an ever-tighter labour market isn't helping), don't expect the RBNZ to let up.





Recent Publications

ANZ produces a range of in-depth insights.

- 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 Property Focus: better fundamentals mean softer prices
- NZ Budget Review: Big Budget
- NZ Insight: Emissions Reduction Plan
- NZ Insight: new fiscal rules
- NZ Property Focus: regional rollercoaster
- NZ Insight: how widespread is labour market tightness?
- NZ Agri Focus: mixed blessings
- NZ Insight: the RBNZ's inflation expectations headache
- NZ Property Focus: A soft landing as headwinds gather
- NZ temp fuel tax changes knock 0.5% off Q2 CPI
- NZ Insight: how is NZ's agri sector impacted by the Russian invasion
- NZ Insight: The Reopening II shifting economic sands
- NZ Agri Focus: heating up
- NZ Insight: Endemic COVID-19 and labour supply
- NZ Insight: The real cost of inflation

Click here for more.



ANZ Proprietary data Check out our

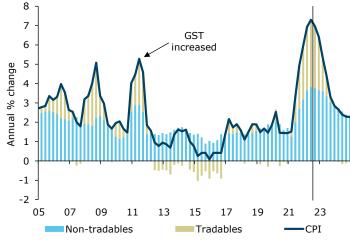
Check out our latest releases below.

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

What are watching?

With the Q2 inflation data under our belts, we've taken the opportunity to update our CPI inflation forecasts. It's looking like Q2 was, touch wood, the highest headline inflation print we'll see. Oil prices have come off their peaks, and key global commodity prices have fallen (although they remain historically elevated). Unfortunately, high inflation is likely to remain with us for some time yet – we're forecasting inflation will remain high at 7.0% in Q3, and won't fall below 3% until the end of next year (see Economic Forecasts for the numbers). As discussed above, momentum in domestic inflation has continued to build – and with the labour market likely to tighten a little further over 2022 (we'll get an update on that on 3 August), home-grown inflation pressures are likely to take several years to ease back to levels consistent with 2% CPI inflation (figure 2).

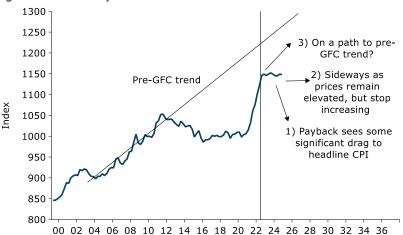
Figure 2. CPI inflation forecast



Source: Stats NZ, ANZ Research

One major uncertainty is what happens to global inflation pressures over the next decade – and how that impacts tradables inflation in New Zealand. Do we see a big drop in prices back towards pre-COVID levels as supply chains recover and central banks squeeze demand? Do prices stop rising, but remain elevated? Or have we seen a regime switch into a higher global inflation environment, where a move to more robust supply chains, more stimulatory government spending, and the ever-increasing cost of climate change continues to drive prices higher at a faster rate? As figure 3 shows, these three scenarios could have very different implications for imported inflation over the next few years. Our forecast balances the risk of scenarios 1 and 3.

Figure 3. Tradable prices scenarios



Source: Stats NZ, Macrobond, ANZ Research



Financial markets update

Data

calendar What's coming up in the months ahead. Date Data/event Thu 28 Jul **ANZ Business** (1:00pm) Outlook – Jul Fri 29 Jul **ANZ-RM** Consumer (10:00am) Confidence – Jul Fri 29 Jul RBNZ Sectoral (3:00pm) Lending – Jun Mon 1 Aug Building Permits -(10:45am) Jun Wed 3 Aug GlobalDairyTrade (early am) auction Wed 3 Aug Labour Market – (10:45am) Q2 Wed 3 Aug **ANZ Commodity** (1:00pm) Price Index - Jul Mon 8 Aua RBNZ 2Yr Inflation (3:00pm) Expectation – Q3 Tue 9 Aug ANZ Truckometer -(10:00am) Jul Tue 9 Aug Electronic Card (10:45am) Transactions - Jul Thu 11 Aug Net Migration – Jun (10:45am) Fri 12 Aug BusinessNZ Manuf (10.30am) PMI – Jul Fri 12 Aug Food Price Index -(10:45am) Jul Fri 12 Aug Rental Price Index -(10:45am) Jul Mon 15 Aug Performance Services Index – Jul (10:30am) Wed 17 Aug GlobalDairyTrade (early am) auction Wed 17 Aug **RBNZ Monetary Policy Statement** (2:00pm) Fri 19 Aug Merchandise Trade -(10:45am) Jul Thu 25 Aug Retail Sales - Q2 (10:45am) Fri 26 Aug **ANZ-RM Consumer** (10:00am) Confidence – Aug

Wed 31 Aug Building Permits -(10:45am) านโ Wed 31 Aug **ANZ Business** Outlook – Aug (1:00pm) **RBNZ** Sectoral Wed 31 Aug Lending – Jul (3:00pm)Fri 2 Sep Terms of Trade – Q2 (10:45am) Mon 5 Sep Building Work Put in (10:45am) Place – Q2 Mon 5 Sep ANZ Commodity (1:00pm) Price Index – Aug Wed 7 Sep GlobalDairyTrade (early am) auction

Interest rate markets

Despite the stronger CPI data on Monday, market pricing for the August MPS decision isn't all that different to where we started the week: 61bps were priced in on Monday ahead of the CPI, and 59bps are priced at the time of writing. To be fair, the adjustment to the stronger CPI data happened last week as updated forecasts started rolling in. Stepping back, it's hard to argue with the signal from markets that a 75bp hike in August is more likely than 25bps. Indeed, another positive surprise in the labour market statistics for Q2 (out August 3) could end up being the catalyst. At the longer end, the week has been dominated by the ebbs and flows of risk appetite, with the US 10-year yield picking up a 3-handle, dropping it, picking it up again, only to fall back to 2.90% after US data disappointed overnight. Rate-market gyrations between inflation fears and hard-landing fears look set to continue, and nowhere are they more pronounced than in Europe, given the energy shock they are experiencing. This week, the ECB finally joined the hiking camp, choosing a 50bp hike despite earlier suggesting a 25bp was on the cards. With euro area inflation running at 8.6% it's not hard to see why. The Bank of Japan now stands alone in its insistence on ongoing maximum monetary stimulus.

FX markets

Broad USD strength lost a little bit of its shine this week, with the DXY slipping around 1% as risk appetite generally improved. However, volatility is the market's middle name right now, so we're certainly not prepared to put a stake in the ground and call this the beginning of a trend in broader risk sentiment. Meanwhile, ski-slope operators will be happy to see the NZD losing a bit of ground to AUD over the week, but with 0.90 looking like a firm, and psychological, support level, there may not be much more fuel in the tank for it to go lower without some serious domestic economy surprises (on either side of the Tasman). Put it all together, and to the relief of the RBNZ (but not dairy farmers who saw prices down 5% at the auction platform this week), the NZD/USD is around 1.8% higher over the week. On a trade-weighted basis, the NZD lifted about 0.6%, but at 71.05 at the time of writing, it's still shy of the RBNZ's May MPS forecast of 71.8.

Key data summary

Performance of Services Index - June. In contrast to the PMI, the PSI remained convincingly expansionary at 55.4 (55.3 previously), and new orders are holding up very well at 61.7 (62.0 previous).

CPI – Q2. Increased to 7.3% y/y (6.9% previously). See our review.

GlobalDairyTrade auction. Prices fell 5% at the latest GDT event, after a 4% fall previously. All dairy commodities fell in price at the auction.

Overseas Merchandise Trade – June. The annual merchandise trade deficit grew to NZD10.5bn in June, from NZD9.5bn previously.

The week ahead

ANZ Business Outlook - July (Thursday 28 July, 1:00pm).

ANZ Roy Morgan Consumer Confidence – July (Friday 29 July, 10:00am).

RBNZ sectoral lending data – Jun (Friday 29 July, 3:00pm). Housing lending growth has slowed as the heat comes out of the market – but business lending is growing faster than at any time since before the GFC.

Key forecasts and rates



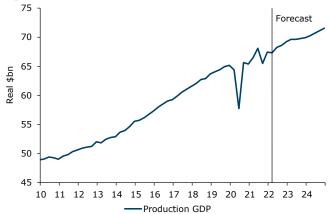
	Actual								
FX rates	May-22	Jun-22	Today	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23
NZD/USD	0.652	0.621	0.624	0.650	0.660	0.660	0.660	0.650	0.650
NZD/AUD	0.907	0.904	0.902	0.890	0.880	0.868	0.868	0.867	0.867
NZD/EUR	0.609	0.597	0.611	0.619	0.600	0.589	0.584	0.570	0.560
NZD/JPY	83.4	84.7	85.8	84.5	84.5	83.8	83.2	81.3	79.3
NZD/GBP	0.517	0.513	0.521	0.537	0.537	0.532	0.524	0.512	0.508
NZ\$ TWI	72.3	70.5	71.2	71.9	71.9	71.3	70.9	69.7	69.3
Interest rates	May-22	Jun-22	Today	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23
NZ OCR	2.00	2.00	2.50	3.00	4.00	4.00	4.00	4.00	4.00
NZ 90 day bill	2.47	2.86	3.16	3.93	4.10	4.10	4.10	4.10	4.10
NZ 2-yr swap	3.92	4.06	4.11	4.37	4.21	3.99	3.93	3.82	3.76
NZ 10-yr bond	3.61	3.86	3.74	4.25	4.00	4.00	3.75	3.75	3.75

Economic forecasts

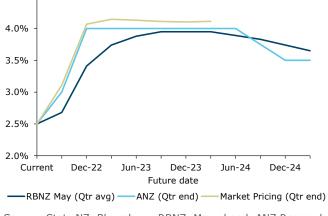
	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24
GDP (% qoq)	-0.2	1.4	0.5	0.9	0.6	0.0	0.2	0.2	0.5
GDP (% yoy)	1.2	0.3	4.8	2.7	3.4	2.0	1.7	1.0	0.9
CPI (% qoq)	1.8	1.7	1.9	0.9	0.7	0.7	0.8	0.5	0.6
СРІ (% уоу	6.9	7.3	7.0	6.4	5.3	4.4	3.3	2.8	2.7
Employment (% qoq)	0.1	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Employment (% yoy)	2.8	2.5	1.0	1.3	1.6	1.3	1.3	1.3	1.2
Unemployment Rate (% sa)	3.2	2.9	2.9	2.9	3.0	3.2	3.3	3.4	3.5

Figures in bold are forecasts. mom: Month-on-Month; qoq: Quarter-on-Quarter; yoy: Year-on-Year



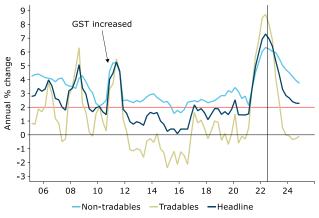






Source: Stats NZ, Bloomberg, RBNZ, Macrobond, ANZ Research

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: 22 June 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.

Brunei, India, Japan, Kuwait, Malaysia, Switzerland, Taiwan. This document is distributed in each of these jurisdictions by ANZ on a cross-border basis.

Cambodia. The information contained in this document is confidential and is provided solely for your use upon your request. This does not constitute or form part of an offer or solicitation of any offer to engage services, nor should it or any part of it form the basis of, or be relied in any connection with, any contract or commitment whatsoever. ANZ does not have a licence to undertake banking operations or securities business or similar business, in Cambodia. By requesting financial services from ANZ, you agree, represent and warrant that you are engaging our services wholly outside of Cambodia and subject to the laws of the contract governing the terms of our engagement.

Canada. This document is general information only 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. **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.

Macau. Click here to read the disclaimer for all jurisdictions in Mandarin. 溴门. 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.

Important notice

Oman. ANZ neither has a registered business presence nor a representative office in Oman and does not undertake banking business or provide financial services in Oman. Consequently ANZ is not regulated by either the Central Bank of Oman or Oman's Capital Market Authority. The information contained in this document is for discussion purposes only and neither constitutes an offer of securities in Oman as contemplated by the Commercial Companies Law of Oman (Royal Decree 4/74) or the Capital Market Law of Oman (Royal Decree 80/98), nor does it constitute an offer to sell, or the solicitation of any offer to buy non-Omani securities in Oman as contemplated by Article 139 of the Executive Regulations to the Capital Market Law (issued vide CMA Decision 1/2009). ANZ does not solicit business in Oman and the only circumstances in which ANZ sends information or material describing financial products or financial services to recipients in Oman, is where such information or material has been requested from ANZ and the recipient understands, acknowledges and agrees that this document has not been approved by the CBO, the CMA or any other regulatory body or authority in Oman. ANZ does not market, offer, sell or distribute any financial or investment products or services in Oman and no subscription to any securities, products or financial services may or will be consummated within Oman. Nothing contained in this document is intended to constitute Omani investment, legal, tax, accounting or other professional advice.

People's Republic of China (PRC). This document may be distributed by either ANZ or Australia and New Zealand Bank (China) Company Limited (ANZ China). Recipients must comply with all applicable laws and regulations of PRC, including any prohibitions on speculative transactions and CNY/CNH arbitrage trading. If this document is distributed by ANZ or an Affiliate (other than ANZ China), the following statement and the text below is applicable: No action has been taken by ANZ or any affiliate which would permit a public offering of any products or services of such an entity or distribution or re-distribution of this document in the PRC. Accordingly, the products and services of such entities are not being offered or sold within the PRC by means of this document or any other document. This document may not be distributed, re-distributed or published in the PRC, except under circumstances that will result in compliance with any applicable laws and regulations. If and when the material accompanying this document relates to the products and/or services of ANZ China, the following statement and the text below is applicable: This document is distributed by ANZ China in the Mainland of the PRC. 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". 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 are available for mus 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