# **RBNZ Monetary Policy Statement**

12 August 2020



This is not personal advice. It does not consider your objectives or circumstances. Please refer to the Important Notice.



Sharon Zollner, Liz Kendall or David Croy for more details.

# Keeping the foot to the floor

- RBNZ today increased their quantitative easing (LSAP) programme to \$100bn and extended its length from 12 to 22 months.
- As regards potential alternative policy options beyond the LSAP, the RBNZ expressed a preference for a lower or negative OCR and a 'Funding for Lending Programme', while leaving all options on the table.
- The OCR will remain unchanged at 0.25% until March 2021 but the odds of lower rates beyond that have risen.
- It is hard to imagine a more dovish set of policies and commentary today yields and the NZD both fell in response.

### QE programme

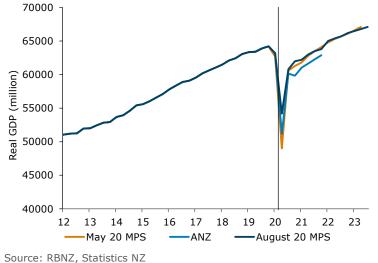
The RBNZ's Large-scale Asset Purchases (LSAP) programme was scaled up from \$60bn to \$100bn, even more than we were expecting. This was based on "updated staff advice that central bank purchases could absorb a larger proportion of the total market than previously thought without affecting market functioning." In addition, "Members noted and endorsed staff advice that a larger LSAP programme would mean purchases could be front-loaded in order to put more downward pressure on New Zealand wholesale interest rates."

### Forecasts

Like everyone's, the RBNZ's freshly minted forecasts are out of date now that community transmission of COVID-19 has returned. Given this, we see little point diving into the details. However, for the record, the economic forecasts were upgraded a touch from May's MPS, largely reflecting an upgrade to Q2. The medium-term outlook was virtually unchanged, signalling a continued cautious view of the outlook.

The RBNZ reiterated that the OCR would remain unchanged at 0.25% until at least March 2021, but gave no forecasts after that. The unconstrained OCR track was broadly unchanged, with today's increase in the LSAP working against the recent appreciation of the TWI.

Figure 1. RBNZ GDP forecast May and August MPS



### Alternative tools

The RBNZ expressed a strong openness to provide more stimulus if necessary. All tools are still on the table, but the summary of meeting noted that "The Committee expressed a preference for considering a package of a negative OCR and a 'Funding for Lending Programme' in addition to the current QE programme." And, "The Committee instructed staff to prepare advice on the design of a package for deployment if deemed necessary, taking account of the operational readiness of the financial system." They also kept foreign asset purchases on the table, but it is down the list at this stage.

We've discussed a negative OCR at length, but the 'Funding for Lending' programme perhaps requires a bit more explanation. The two policies are very much seen as a complementary "package", with the RBNZ commenting that the "exact design of a negative OCR policy can help to ensure that it is effective. In addition, the policy may be more effective if combined with other monetary instruments." The Funding for Lending Programme would provide banks directly with "low-cost, secured, long-term funding", meaning funding costs would continue to decline with the OCR even if the cost of wholesale or deposit funding does not. Overseas, such programmes have tended to have conditions regarding lending growth attached, often to SMEs.

### Bottom line

The job facing the RBNZ has only gotten bigger. QE is working well but requires a bit more ammunition, delivered today. However, QE will likely hit its limits before the economy is out of the woods. Next year, when the financial system is technically ready, we absolutely can't rule out the possibility of a negative OCR. The bad news delivered last night has ramped up uncertainty, but certainly done nothing to reduce the odds of further OCR cuts next year.

More broadly, today's Statement has significant implications for markets, with

- the new \$100bn LSAP beating even our top-of-market call for \$90bn,
- the time-frame extended from 12 months to 22 months (to June 2022),
- a preference for a negative OCR; an open mind on foreign asset purchases,
- front-loaded bond purchases, with an immediate increase in next week's LSAP schedule, signalling a move to a more tactical approach, and
- an indemnity that allows for the purchase of more bonds.

Short of cutting the OCR today, it's difficult to imagine a more dovish outcome than what we have seen. And if anyone thought this was a last-minute decision, it wasn't: the RBNZ letter to the Finance Minister asking for the indemnity to be upsized to 60% of outstandings was dated August 6th.

In our view, this speaks to the whole term structure of interest rates going lower, with the prospect of negative rates driving the short end lower, and the larger than expected LSAP driving the long end lower. Against the global backdrop of inflation fears, we expect NZGBs to outperform global peers, and for the NZD to be under significant pressure over coming weeks.

### Market reaction

Interest rates moved lower on the news, but they had already drifted off ahead of the MPS in the wake of last night's news that COVID-19 was back in the community. NZGB 23s and 29s were both around 3 basis points lower, but we think that's just the start and we will see a further extension to the downside as the week and month progresses. The NZD moved 30-40bps lower immediately, but has since recovered part of the move. Given how dovish the tone was, we see a real risk that the NZD weakens further in coming weeks as the gravity of today sinks in.

# **Policy Assessment**

Tēnā koutou katoa, welcome all.

The Monetary Policy Committee agreed to expand the Large Scale Asset Purchase (LSAP) programme up to \$100 billion so as to further lower retail interest rates in order to achieve its remit. The eligible assets remain the same and the Official Cash Rate (OCR) is being held at 0.25 percent in accordance with the guidance issued on 16 March.

Reflecting a possible need for further monetary stimulus, the Committee also agreed that a package of additional monetary instruments must remain in active preparation. The deployment of such tools will depend on the outlook for inflation and employment. The package of further instruments includes a negative OCR supported by funding retail banks directly at near-OCR (a Funding for Lending Programme). Purchases of foreign assets also remain an option.

Over recent months New Zealand had contained the spread of COVID-19 locally, allowing a relaxation of social restrictions and a recovery in economic activity. Recent indicators highlight that the faster return to social norms and a higher proportion of employees working from home has seen output and employment recover sooner than projected in our May *Monetary Policy Statement*. Recent spending also reflected pent up demand resulting from the lockdown period.

However, the severe global economic disruption caused by the pandemic is persisting. Any significant change in the global and domestic economic outlook remains dependent on the containment of the virus, which is highly uncertain as evidenced today by the return to social restrictions in New Zealand. Such uncertainty is stifling household and business spending appetites, as highlighted in confidence surveys. Given the ongoing health uncertainty, there remains a downside risk to our baseline economic scenario.

International border restrictions will continue to significantly curtail migration and tourism, and lead to the activity outlook being uneven across industries and regions. Commodity prices for New Zealand's exports remain robust, but this has been partly offset by a rise in the New Zealand dollar exchange rate moderating the return to local export producers.

Ongoing support for domestic economic activity is being provided through significant government spending on business assistance and household income support. This will be supported by a rising level of government investment. However, there will be a transition of policies in the near-term, with the announced end of the Wage Subsidy likely to coincide with a decline in employment.

Monetary policy will continue to provide important economic support in the period ahead. Its effectiveness is evidenced by retail banks' lower funding costs and lending rates, which are benefiting businesses and households. It remains in the long-term interest of banks to fully pass on the benefits of lower funding costs to their customers.

The Monetary Policy Committee will provide additional stimulus as necessary to meet its remit.

Meitaki, thanks.

Adrian Orr Governor

# Summary record of meeting

The Monetary Policy Committee (MPC) discussed the outlook for inflation and employment, and whether current monetary conditions will achieve its policy remit. The ongoing economic effects of the COVID-19 pandemic were central to the discussion. Members agreed that significant uncertainty existed as to virus containment, and that this was dampening economic confidence globally.

The Committee noted that New Zealand had contained the local spread of the virus, thereby enabling the relaxation of social restrictions. Members agreed that recent domestic economic activity and employment had been stronger than expected in the May Monetary Policy Statement. They noted that this was largely due to the earlier than assumed relaxation of social restrictions, a higher proportion of people working from home, and the pent up demand that arose due to the lockdown period.

The Committee noted that the recovery in economic activity had been uneven across industries and regions, with ongoing international border restrictions severely curtailing migration and services' export earnings – such as tourism and foreign student education. The Committee noted that domestic economic activity remains below the level it was at prior to the COVID-19 outbreak, and that a sustainable recovery in investment and employment depends on both the degree to which the virus is contained effectively and on a reduction in uncertainty in the general economic environment. Members noted that fiscal policy continues to provide the primary support to the economy, as is appropriate given the pace and scale of the economic shock.

Members agreed that global uncertainty is significantly dampening consumer and business confidence to spend, invest, and employ over the near term. As a result the Committee agreed that the outlook for global economic activity remains weak. It also noted that a rise in the New Zealand dollar exchange rate has moderated local exporters' incomes.

Members discussed the balance of risks to the baseline economic scenario prepared for the August Statement. Members agreed that, given the primary economic risks are health-related, as evidenced by recent events, the economic risks remain to the downside. The Committee noted a risk that persistent low inflation and employment become embedded in people's expectations, creating the need for more monetary stimulus than otherwise.

The Committee discussed the current effectiveness of monetary policy. The Committee agreed that monetary policy remains effective and has a strong support role for the economy through improving cash-flow, increasing the incentive to invest, and keeping the exchange rate lower than otherwise. Members agreed that these transmission channels are important for the Committee to achieve its remit and would be important for enabling any necessary resource reallocation during a recovery.

Members noted that retail interest rates have declined consistent with the lower funding costs brought about by the recent monetary easing. The Committee also agreed that it remains in the best long-term interests of banks to continue to pass on the lower wholesale interest rates to their customers, and to maintain the supply of credit.

The Committee then discussed the appropriateness of current monetary settings for achieving its remit. The Committee agreed that, given the weak economic outlook, low inflation and employment, further monetary stimulus is needed to achieve its remit objectives.

The Committee discussed the monetary policy strategy having regard to the soundness and efficiency of the financial system, and to avoiding unnecessary instability in output, interest rates and the exchange rate.

Members weighed the risks associated with potential actions in pursuit of achieving the operational objectives of the remit against the risks and consequences of insufficient monetary stimulus. On balance, the Committee agreed that a deep and protracted economic downturn with high unemployment would pose a more serious risk to financial stability.

Members discussed the implications of alternative monetary policy tools for financial stability. The discussion covered the tools that are being considered, noted the lessons and experiences from other central banks, and considered the calibration of a package of monetary instruments. The Committee agreed that a lower or negative OCR, a Funding for Lending Programme, purchasing of foreign assets, and interest rate swaps all provided policy optionality.

The Committee noted staff advice that the design features of each tool could be selected to maximise effectiveness and reduce risks to financial stability. The Committee expressed a preference for considering a package of a negative OCR and a 'Funding for Lending Programme' in addition to the current Large Scale Asset Purchase (LSAP) programme. The Committee instructed staff to prepare advice on the design of a package for deployment if deemed necessary, taking account of the operational readiness of the financial system.

The Committee agreed that the most immediately available suitable tool is an expansion to the Large Scale Asset Purchase (LSAP) programme. The Committee discussed expanding the LSAP programme with the aim of adding more stimulus by lowering retail interest rates and the exchange rate.

Members noted the increase in New Zealand's sovereign debt issuance, which means that the market for bonds is now larger than previously. The Committee noted updated staff advice that central bank purchases could absorb a larger proportion of the total market than previously thought without affecting market functioning. Members noted and endorsed staff advice that a larger LSAP programme would mean purchases could be front-loaded in order to put more downward pressure on New Zealand wholesale interest rates.

The Committee agreed that an increased LSAP limit of up to \$100 billion by June 2022 would enable the Bank to implement purchases to lower wholesale interest rates. Members agreed that the Bank should retain the flexibility to adjust the pace and composition of bond purchases as market conditions dictate.

The Committee also agreed that any future move to a lower or negative OCR, if complemented by a Funding for Lending Programme, could provide an effective way to deliver monetary stimulus in addition to the expanded LSAP if needed.

On Wednesday 12 August, the Committee reached a consensus to:

- expand the LSAP programme to purchase up to a maximum of \$100b by June 2022;
- direct the Bank to actively prepare a package of additional monetary policy tools, to be deployed if and when the outlook for inflation and employment requires additional stimulus, taking into account operational readiness; and
- hold the OCR at 25 basis points in accordance with the guidance issued on 16 March.

#### Attendees

Reserve Bank members of MPC: Adrian Orr, Geoff Bascand, Christian Hawkesby, Yuong Ha External MPC members: Bob Buckle, Peter Harris, Caroline Saunders Treasury Observer: Caralee McLiesh MPC Secretary: Gael Price



# Meet the team

We welcome your questions and feedback. Click here for more information about our team.



### Sharon Zollner Chief Economist

Follow Sharon on Twitter @sharon\_zollner

Telephone: +64 27 664 3554 Email: sharon.zollner@anz.com General enquiries: research@anz.com

Follow ANZ Research @ANZ\_Research (global)



### **David Croy** Senior Strategist

Market developments, interest rates, FX, unconventional monetary policy, liaison with market participants.

Telephone: +64 4 576 1022 Email: david.croy@anz.com



## **Liz Kendall** Senior Economist

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

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



# **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 coordinator, fiscal policy, economic risk assessment and credit developments.

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

# Ra PA Bu en pu

### **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



This document is intended for ANZ's Institutional, Markets and Private Banking clients. It should not be forwarded, copied or distributed. The information in this document is general in nature, and does not constitute personal financial product advice or take into account your objectives, financial situation or needs.

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 <u>click here</u> or request from your ANZ point of contact.

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

**European Economic Area (EEA):** *United Kingdom.* ANZ is authorised in the United Kingdom by the Prudential Regulation Authority (**PRA**) and is subject to regulation by the Financial Conduct Authority (**FCA**) and limited regulation by the PRA. Details about the extent of our regulation by the PRA are available from us on request. This document is distributed in the United Kingdom by Australia and New Zealand Banking Group Limited ANZ solely for the information of persons who would come within the FCA definition of "eligible counterparty" or "professional client". It is not intended for and must not be distributed to any person who would come within the FCA definition of "retail client". Nothing here excludes or restricts any duty or liability to a customer which ANZ may have under the UK Financial Services and Markets Act 2000 or under the regulatory system as defined in the Rules of the Prudential Regulation Authority (**PRA**) and the FCA. ANZ is authorised in the United Kingdom by the PRA are available from us on request.

**Fiji.** For Fiji regulatory purposes, this document and any views and recommendations are not to be deemed as investment advice. Fiji investors must seek licensed professional advice should they wish to make any investment in relation to this document.

**Hong Kong.** This publication is issued or distributed in Hong Kong by the Hong Kong branch of ANZ, which is registered at the Hong Kong Monetary Authority to conduct Type 1 (dealing in securities), Type 4 (advising on securities) and Type 6 (advising on corporate finance) regulated activities. The contents of this publication have not been reviewed by any regulatory authority in Hong Kong.

India. If this document is received in India, only you (the specified recipient) may print it provided that before doing so, you specify on it your name and place of printing.

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

**New Zealand.** This document is intended to be of a general nature, does not take into account your financial situation or goals, and is not a personalised adviser service under the Financial Advisers Act 2008 (**FAA**).





**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.

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 the Singapore branch of ANZ solely for the information of "accredited investors", "expert investors" or (as the case may be) "institutional investors" (each term as defined in the Securities and Futures Act Cap. 289 of Singapore). ANZ is licensed in Singapore under the Banking Act Cap. 19 of Singapore and is exempted from holding a financial adviser's licence under Section 23(1)(a) of the Financial Advisers Act Cap. 100 of Singapore.

**United Arab Emirates (UAE).** This document is distributed in the UAE or the Dubai International Financial Centre (**DIFC**) (as applicable) by ANZ. This document does not, and is not intended to constitute: (a) an offer of securities anywhere in the UAE; (b) the carrying on or engagement in banking, financial and/or investment consultation business in the UAE under the rules and regulations made by the Central Bank of the UAE, the Emirates Securities and Commodities Authority or the UAE Ministry of Economy; (c) an offer of securities within the meaning of the Dubai International Financial Centre Markets Law (DIFCML) No. 12 of 2004; and (d) a financial promotion, as defined under the DIFCML No. 1 of 200. ANZ DIFC Branch is regulated by the Dubai Financial Services Authority (**DFSA**). 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. In addition, ANZ has a representative office (**ANZ Representative Office**) in Abu Dhabi regulated by the Central Bank of the UAE. The ANZ Representative Office is not permitted by the Central Bank of the UAE to provide any banking services to clients in the UAE.

**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 or uses a broker-dealer only for institutional customers, not for US Persons (as "US person" is defined in Regulation S under the US Securities Act of 1933, as amended) who are individuals. If you have registered to use this website or have otherwise received this document and are a US Person who is an individual: to avoid loss, you should cease to use this website by unsubscribing or should notify the sender and you should not act on the contents of this document in any way. Non-U.S. analysts: Non-U.S. analysts may not be associated persons of ANZSI and therefore may not be subject to FINRA Rule 2242 restrictions on communications with the subject company, public appearances and trading securities held by the analysts. Where this is an FX-related document, it is distributed in the United States by ANZ's New York Branch, which is also located at 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 916 0 Fax: +1 212 801 9163).

Vietnam. This document is distributed in Vietnam by ANZ or ANZ Bank (Vietnam) Limited, a subsidiary of ANZ.

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