

## 2019 Half-Year Update Review

11 December 2019



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

## Contact

**Miles Workman**  
Senior Economist  
Telephone: +64 4 382 1951  
[Miles.Workman@anz.com](mailto:Miles.Workman@anz.com)

**Sharon Zollner**  
Chief Economist  
Telephone: +64 9 357 4094  
[Sharon.Zollner@anz.com](mailto:Sharon.Zollner@anz.com)

## More spending, in time

### Summary

- As previously signalled, the Government intends to increase infrastructure spending over the next few years.
- An extra \$12 billion of infrastructure spending has been added to the fiscal outlook, and that will support growth over the medium term. However, given the delays typical with infrastructure spending, we doubt they'll be able to implement this as quickly as they hope. We await further announcements regarding the specific projects to be funded.
- As expected, the Government has formally declared 'mission accomplished' on its target of bringing net core Crown debt down to 20% of GDP within five years of taking office. The 15-25% debt window now applies, and according to the Treasury's latest nominal GDP forecasts there's still plenty of headroom to up the fiscal ante from here.
- Net debt is forecast to peak at just 21.5% of GDP in 2022 (previously 20.7% in 2021).
- Debt Management's bond issuance guidance has been lifted by \$2 billion over the next four years to June 2023, which with \$6 billion pencilled in for the additional (2024) forecast year brings total issuance over the next five years to \$42 billion.
- The NZD saw a modest rally following the release, justifying the markets bias on the currency from the week prior. The 10-year NZ Government bond yield however fell around 3.5bps as the promise of additional spending did not eventuate in a materially larger government bond issuance programme – as had been anticipated by markets following the announcement of additional spending.
- Overall, the Treasury's Half-Year Update forecasts show the Government's books are expected to remain in good shape over the next five years. Underpinning this, the Treasury's economic outlook remains a little more optimistic than our own, but the flexible debt target means that shouldn't result in any tough decisions down the road – provided the target range isn't pushed to its limits.

#### HYEFU 2019 forecasts (Budget Update 2019 forecasts in brackets)

Economic (June years)	2019/20	2020/21	2021/22	2022/23	2023/24
Real GDP (ann. ave. % chg.)	2.2 (3.0)	2.8 (2.8)	2.7 (2.4)	2.5 (2.4)	2.4 (N/A)
Nominal GDP (ann. ave. % chg.)	5.1 (5.8)	5.2 (5.4)	5.3 (4.9)	4.9 (4.7)	4.8 (N/A)
Current account deficit (% of GDP)	-3.2 (-3.4)	-3.4 (-3.4)	-3.6 (-3.3)	-3.7 (-3.3)	-3.8 (N/A)
Unemployment rate (June qtr, %)	4.3 (4.0)	4.2 (4.1)	4.2 (4.2)	4.3 (4.3)	4.3 (N/A)
CPI (ann. % chg.)	1.9 (2.0)	1.9 (2.1)	2.0 (2.0)	2.0 (2.0)	2.0 (N/A)
Fiscal (June years)	2019/20	2020/21	2021/22	2022/23	2023/24
OBEGAL - % of GDP	-0.3 (0.4)	0.0 (0.6)	0.5 (1.3)	1.1 (1.7)	1.5 (N/A)
Core Crown Residual Cash - % of GDP	-1.6 (-1.3)	-2.4 (-1.3)	-1.6 (-0.2)	-0.6 (0.3)	0.2 (N/A)
Net Core Crown Debt - % of GDP	19.6 (20.4)	21.0 (20.7)	21.5 (19.9)	20.9 (18.7)	19.6 (N/A)
Bond Programme (gross, NZ\$bn)	10.0 (10.0)	10.0 (10.0)	8.0 (8.0)	8.0 (6.0)	6.0 (N/A)

---

## Details and assessment

The Government has tweaked its fiscal strategy (aka Budget Responsibility Rules), declaring mission accomplished on rule number two: *The Government will reduce the level of Net Core Crown Debt to 20% of GDP within five years of taking office*. Going forward, the Government will make tax and spending decisions subject to maintaining net debt within a 15-25% of GDP window. There have been no other changes to the Government's overall fiscal strategy, which is outlined in the [Budget Policy Statement](#).

Moving to the range target has allowed the Government to include an extra \$12 billion in infrastructure spending over the next five years while still leaving a sizeable buffer for new spending announcements come Budget 2020 (should the Government feel that way inclined, as governments tend to do as elections approach). There were no new announcements on the tax and operating expenditure front. Based on the Treasury's current nominal GDP forecasts, the Government could comfortably lift spending (or reduce taxes) by another \$12 billion (or more) over the next five years and still keep net debt under 25% of GDP, so there's definitely room for more.

This represents a meaningful change in fiscal stance, as the Government had previously maintained a net debt trajectory towards 20% of GDP into the 2022 fiscal year (five years after the election). But despite the decent boost to infrastructure spending, the Government has chosen to keep the net debt profile contained (peaking at just 21.5% of GDP in 2022).

From a macroeconomic perspective, fiscal policy is poised to become a little more stimulatory than previously. But we're sceptical about baking too much of this into the year-ahead outlook. After all, infrastructure spending takes time to plan and implement, and with capacity constraints currently biting in the construction sector, today's announcements appear more of medium-term story than a meaningful near-term boost to growth. In terms of back-stopping the growth outlook the latter might have been more useful to the RBNZ, but they seem content that downside risks to the near-term outlook are dissipating. And they will be happy to see the medium-term growth outlook underpinned.

The Treasury's economic outlook has been downgraded, but remains a little more optimistic than our own. However, as long as the Government doesn't sail too close to the upper limit of the debt target, that's unlikely to matter. The debt target range, if not pushed to the limit, can accommodate a slightly weaker economy. And should the economy get hit with a material downside economic shock, that's justifiable grounds to deviate temporarily from the fiscal target and deliver the economy a pick-me-up.

Key spending announcements include:

- \$6.8 billion for new transport projects, with a significant portion for roads and rail, and details are to be announced at a later date;
- \$400 million for school maintenance (announced prior to the Half-Year Update) over the next 2 years;
- \$300 million for regional investment opportunities;
- \$300 million for District Health Board asset renewal;
- \$200 million for public estate decarbonisation; and
- an extra \$4 billion has been added to the multi-year capital envelope (to be allocated at a later date).

### The Treasury has downgraded its economic outlook...

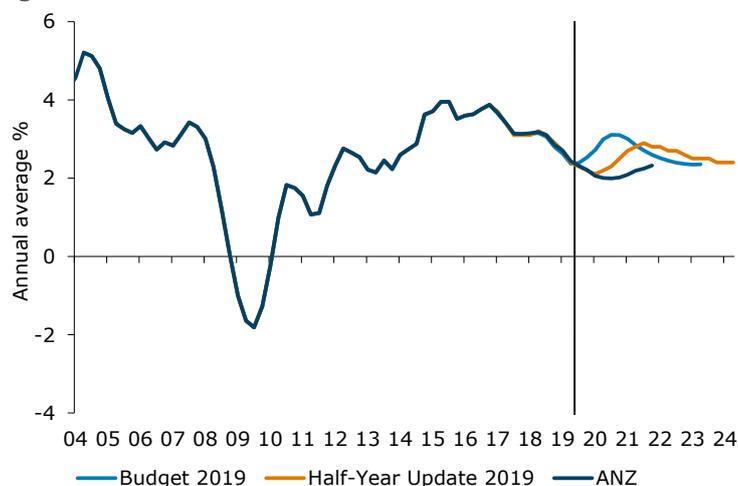
The Treasury's economic outlook still shows a pretty optimistic pick-up in growth to just under 3% by 2021, but, as expected, they have downgraded their near-term outlook meaningfully from the Budget Update.

The Treasury assumes that the easing in monetary policy over the past year and further fiscal support that has been announced will help drive a pick-up in growth and lead to a gradual rise in inflationary pressures.

The Treasury have revised their migration forecast upwards substantially, reflecting strength in recent outturns and a higher medium-term assumption. Strong population growth, low interest rates, and rising house price inflation is expected to support residential investment over the next couple of years, before growth moderates. The labour market is expected to remain tight, with the unemployment rate remaining around current levels, and solid incomes and stronger house price inflation support household consumption. Business investment is expected to pick up, as private businesses invest in response to a tight labour market and capacity constraints. Public investment and consumption spending is expected to rise in 2021 and 2022, supporting growth. The terms of trade are projected to remain around current levels.

Compared to our own economic outlook, Treasury's forecasts still appear a little optimistic, even with some extra fiscal stimulus. Their forecast 90-day interest falls around 20bp from current levels by June 2020 to 1%, possibly suggesting a further OCR cut. From there they expect the RBNZ to keep the OCR on hold before gradually hiking around 50bps over 2022-24.

Figure 1. Real GDP forecasts



Source: Statistics NZ, The Treasury, ANZ Research

### ...but nominal GDP is expected to hold up a bit better

But what really matters for tax revenue is nominal GDP. Here, the whole forecast profile has been given a boost relative to the Budget Update, reflecting the higher starting point (following the release of national accounts for year ended March 2019), and despite the downgrade to the real activity outlook. This supports the debt ratio from the get-go. A solid terms of trade outlook and CPI inflation at 2% over most of the forecast horizon helps keep nominal growth buoyed (which averages 5.0% over the forecast period).

As part of the forecast process, the Treasury makes a judgement on how much of the upside and downside economic risks out there get baked into their central outlook versus how much goes into their risks and scenarios. There were two scenarios focused on:

1. Further disruptions to global trade and increased financial market volatility, reducing global and domestic growth. Slowing trading partner growth would reduce demand for our exports and lower the terms of trade. Less demand and increased uncertainty would reduce GDP growth and tax revenues, lowering fiscal surpluses and raising net debt.
2. A stronger domestic economy, driven by an increase in net migration that raises consumption and business activity. Rising business sentiment would increase investment and reduce unemployment. A larger workforce would boost aggregate consumption in the economy. More demand would increase inflationary pressure, which raises nominal GDP and tax revenues to generate larger fiscal surpluses and lower net debt.

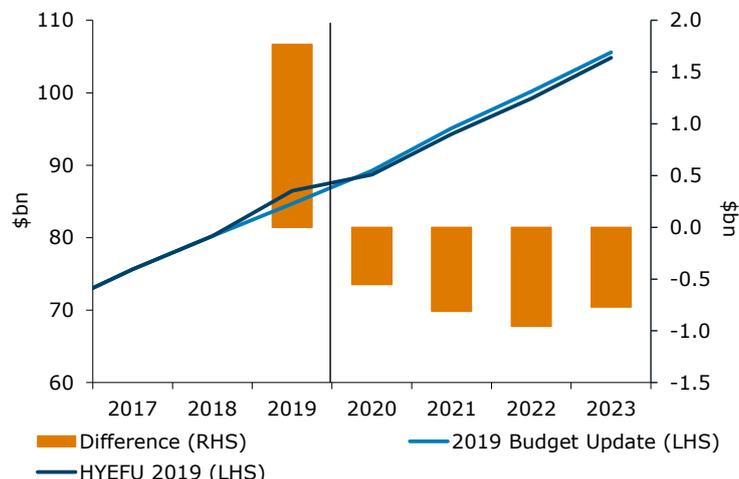
Overall, the Treasury baked more softness into their near-term central forecasts, but they still assume a bounce back in growth over 2021. On balance, the risks still appear to be skewed to the downside on growth and inflation:

- Further trade tensions could raise financial market volatility and weaken trading partner growth, with a downturn in Chinese growth of particular concern.
- The world economy could recover sooner than expected given a resolution to trade tensions or the easing in monetary conditions to date.
- The effect of low business confidence dampening domestic growth could persist.
- Weather conditions could negatively affect agricultural output and electricity generation.
- More binding than expected capacity constraints could see increased government capital spending result in higher inflationary pressures.
- Net migration could hold up more strongly than assumed.
- The proposal to increase bank capital requirements was yet to be confirmed when the forecasts were finalised.

### Looking through the noise, solid nominal GDP growth keeps tax revenues growing

Despite the stronger nominal GDP profile, tax revenues are slightly weaker over the forecast horizon than was forecast at the Budget Update, but a stronger starting point provides a significant offset. Revenues are expected to lift from \$86.5bn in the 2019 fiscal year to \$110.5bn in the 2024 fiscal year.

**Figure 2. Change in core Crown Tax Revenue**

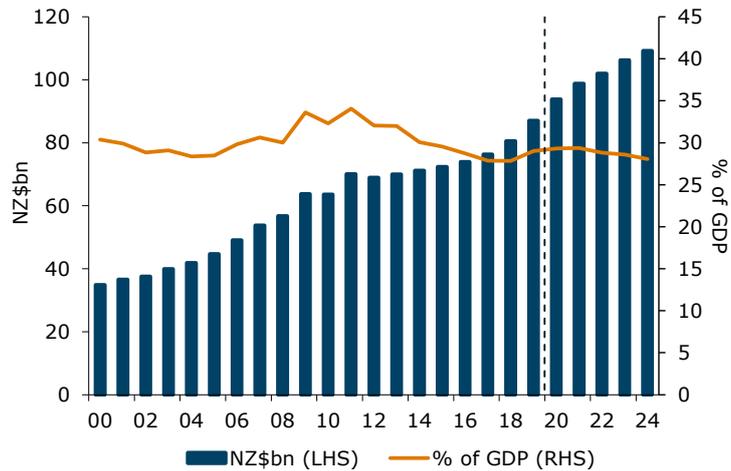


Source: The Treasury

### Higher expenses, smaller surpluses, and higher debt

Core Crown expenses are slightly higher than forecast at the May Budget Update across the board. Overall, core Crown expenses are forecast to grow from \$87.0bn in 2019 to \$109.2bn by 2024. As a share of GDP, core Crown expenses are forecast to remain below 30%, peaking at 29.4% of GDP in 2021 before declining to 28.1% by 2024.

**Figure 3. Core Crown expenses**

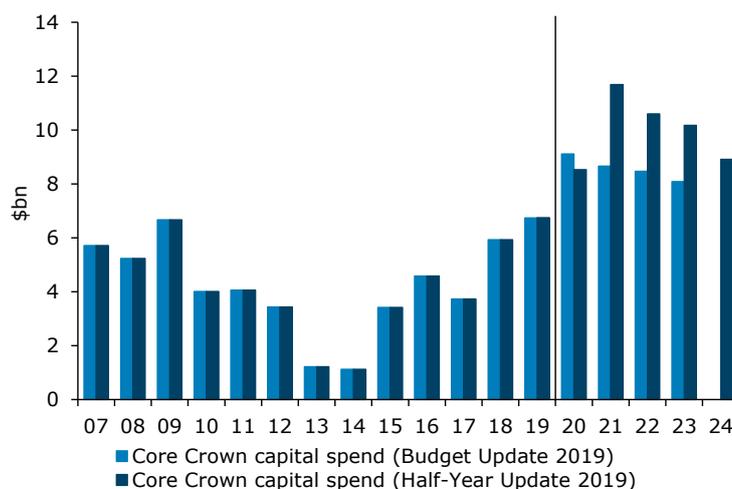


Source: The Treasury

We’re not surprised by the fiscal loosening. We noted at the 2019 Budget Update that the Government’s spending plans had pushed the limits of the 20% debt target and left no buffer for a slightly weaker economic and tax outlook – that was before one-off accounting changes (ie income tax recognition and the KiwiRail impairment write-down) flattered the Government’s books in the year June 2019.

A little extra capital spending is a good thing. Years of capital underspend has left New Zealand with an infrastructure deficit that’s restricting the economy’s ability to grow. That said, while there’s definitely a strong case to loosen the Government’s purse strings and address New Zealand’s infrastructure deficit faster, this needs to be done in a way that doesn’t crowd out and compete with private sector investment in order to effectively lean against the wind of a slowing economy. The jury is out on that one, but what is certainly true is that if one waits for spare capacity to open up, one is guaranteed to miss the boat in terms of timing, given the lags inherent in infrastructure spending. However, even if there’s some near-term jostling, over the medium term new roads, rail, and other infrastructure that supports private sector development should boost the economy’s productive capacity.

**Figure 4. Core Crown capital cash flows**

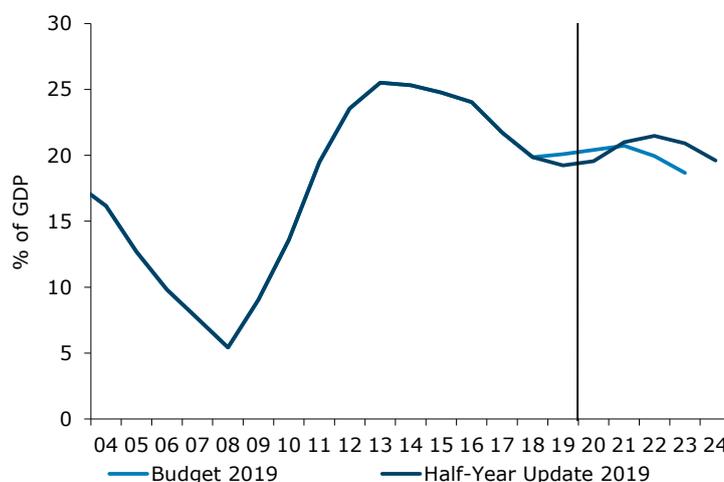


Source: The Treasury

### The debt and bond issuance profile

As a share of GDP, net core Crown debt is forecast to pick up a little less than we expected. A stronger nominal GDP forecast helps that. Overall, net debt is expected to peak at 21.5% of GDP in 2022, before easing to 19.6% by 2024. In terms of the Government’s 15%-25% target window, this implies there is still plenty of headroom to up the fiscal ante if they so desire.

**Figure 5. Core Crown net debt**

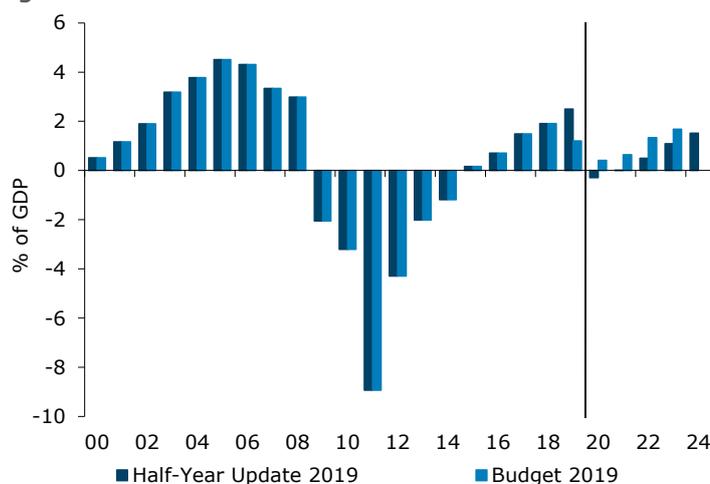


Source: The Treasury

Total borrowings are forecast to grow from \$110.2bn in 2019 to \$145.3bn in 2024. Total borrowings aren’t part of the Government’s suite of fiscal strategy indicators, but it is very important from a tax-payer’s (and rating agency’s) perspective, as it captures the spending decisions made outside of the core Crown accounts (such as by Housing New Zealand).

As expected, the OBEGAL surplus is a little softer over the forecast horizon. But after a brief stint in deficit in 2020 (by \$900 million) it’s back in growing surplus mode, lifting to \$5.9 billion by 2024.

**Figure 6. Total Crown OBEGAL**



Source: The Treasury

After adjusting for the cyclical position of the economy, the underlying OBEGAL is a touch lower than the headline measure, but with a similar profile. In forecast terms at least, the adjusted OBEGAL suggests the Government is delivering on its ambition to deliver sustainable surpluses across the economic cycle.

On the funding side, Debt Management’s bond issuance guidance has been lifted slightly – an additional \$2bn compared to the May Budget Update. Issuance guidance is unchanged out to 2022, with 2023 lifted by \$2 billion. The additional forecast year is set to see \$6 billion in issuance.

New issuance guidance is much lower than what we were expecting. This reflects a number of factors, including slightly higher Treasury bills issuance, a stronger starting point for cash in the door, lower financial assets in the forecast years, and a lower interest rate assumption, which for a given face value of bond issuance implies more cash in the door.

That said, we still see upside to issuance further out – either through higher spending or a weaker economy than the Treasury expect, or some combination of the two.

**Table 1. Bond issuance guidance**

	Jun-20	Jun-21	Jun-22	Jun-23	Jun-24
Budget Update 2019	10	10	8	6	N/A
Half-Year Update 2019	10	10	8	8	6

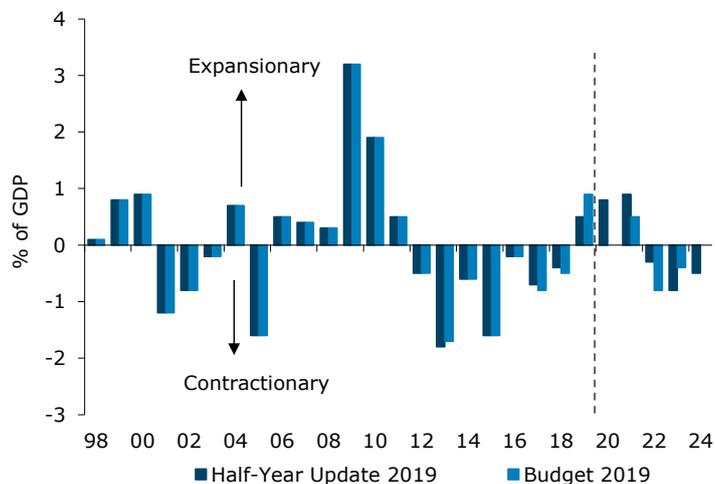
The NZD saw a modest rally following the release, justifying the markets bias on the currency from the week prior. The 10-year NZ Government bond yield however fell around 3.5bps as the promise of additional spending did not eventuate in a materially larger government bond issuance programme – as had been anticipated by markets following the announcement of additional spending.

### **A little more fiscal stimulus, but it’s probably overstated**

In terms of the macroeconomic impacts of fiscal policy (ie pressure on GDP, inflation, and interest rates), increased spending is expected to be a little more stimulatory than previously thought. At the margin, this should give the RBNZ a little more confidence in their growth outlook – particularly if they take the fiscal impulse on face value, which is significantly stronger in 2020 and 2021. But looking through the noise, and the fact that the fiscal impulse generally overstates the near-term boost to activity (noting that the 2019 impulse has

been downgraded), we don't think this is a game changer for the year ahead – it's more of a medium-term story. The fiscal impulse now averages zero over the forecast horizon, compared to -0.2 at the Budget Update.

**Figure 7. Fiscal impulse**



Source: The Treasury

The decision to loosen the purse strings comes as no surprise and is something we thought would happen eventually (particularly in the lead-up to the 2020 election). And while today's additional infrastructure spending of \$12 billion is at the higher end of our estimated range of \$5-\$15 billion, the near-term boost to growth is unlikely to be significant. Infrastructure spending takes time, but we're interested to see what the details bring when subsequent announcements are made.

Infrastructure spending is hard. But that's not to say it isn't worth doing. Years of under-investment in key infrastructure has resulted in a national infrastructure deficit, meaning there's plenty to get on with. But because infrastructure spending takes time, if downside risks to the outlook materialise, the fiscal response will need to go a further.<sup>1</sup> And while the fiscal bump may come a little later than the RBNZ might prefer, the economy has been crying out for better infrastructure for a long time.

<sup>1</sup> See our Insights note [Let's get fiscal](#) for further details.



## 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 [click here](#) 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.

**Cambodia.** This document is distributed in Cambodia by ANZ Royal Bank (Cambodia) Limited (**ANZ Royal Bank**). The recipient acknowledges that although ANZ Royal Bank is a subsidiary of ANZ, it is a separate entity to ANZ and the obligations of ANZ Royal Bank do not constitute deposits or other liabilities of ANZ and ANZ is not required to meet the obligations of ANZ Royal Bank.

**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 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.

**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).



## Important notice

**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**) 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](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 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](mailto:nzeconomics@anz.com), <http://www.anz.co.nz>