NZ Forecast Update: The much-needed adjustment

16 June 2023



This is not personal advice nor financial advice about any product or service. It does not take into account your financial situation or goals. Please refer to the Important Notice.



Sharon Zollner, Miles Workman or Henry Russell for more details.

The much-needed adjustment

Bottom line

- With Q1 2023 GDP data now in the bag, we have revised our macroeconomic outlook, factoring in a weaker starting point but also a stronger net migration impulse, green shoots in housing, the additional fiscal stimulus announced at Budget 2023, the improving vibe across our Business Outlook survey, and slightly easier monetary conditions in the near term than previously expected (given the RBNZ surprised on the dovish side of our expectation in the May MPS).
- These forward-looking developments have a very different vibe to them to the Q1 GDP print, where cyclone impacts (and to a lesser extent, teacher strikes) nudged the economy into a technical recession.
- Broadly, the outlook for economic activity remains sub-par. Monetary conditions are contractionary, and the impact on demand is clear (and building). But despite the weak Q1 GDP print, our updated outlook is a little less dire than previously in headline terms at least. A decent chunk of it is driven by population growth masking per-capita weakness. Technically, our GDP forecast is for a double-dip recession, with the economy contracting 0.3% over the second half of 2023, but it's very mild. And given the current Q4/Q1 "recession" is based on a 0.1% contraction, it may not even survive revisions!
- Ultimately, New Zealand is not going to have a recession because the Reserve Bank wants one. We're going to have a recession because we've been living beyond our means for some years, and that's unsustainable. With the economy this far out of balance (the labour market is still beyond the bounds of sustainable levels, domestic inflation is running at a record high, and NZ is running a near-record wide current account deficit), a transition to something more sustainable is very much needed – and inevitable.
- By November, we think it'll be clear that the tailwinds of demand associated with strong net migration and the fiscal impulse are seeing resource strains persist a bit longer than the RBNZ is anticipating. With domestic inflation stubbornly high and looking stickier than the RBNZ's expectation, we are forecasting that will push them back into hiking mode by the end of the year. We're pencilling in a peak OCR of 5.75%, and see the risks it picks up a 6-handle as greater than the risk of the next move being a cut.
- That said, there are risks on both sides, as always, and even if our view proves to be bang on, we'd fully expect markets (which appear very eager to price in OCR cuts currently) to take a while to come around to this view. Our CPI inflation outlook has some sizable base effects in the near term (ie large historical price rises dropping out of the annual calculation) that should see annual inflation slow meaningfully. And not just on the tradable side. That'll make everything look right on track for some time, with inflation potentially even surprising on the downside versus the RBNZ's expectations. But once that's all washed through, we expect a core inflation pulse to be revealed that isn't quite playing ball.

- Underpinning the domestic inflation pulse is the state of the labour market, which we see as remaining a little more resilient than the RBNZ expects. We see unemployment at 4.2% by year-end versus the RBNZ's forecast of 4.6%. We don't expect the unemployment rate to become outright disinflationary until the second half of 2024.
- All up, the outlook may be a little brighter than in our previous forecast iteration, but on a per capita basis things are still looking very soggy. But the unfortunately fact is, one way or another, this out-of-balance economy needs to transition to something more sustainable, and that transition in our forecasts involves further monetary tightening, belt tightening, a loosening in the labour market, a focus on export returns, and hopefully, an eventual fiscal consolidation. It's not a particularly cheerful story, but it is a story that sets up the New Zealand economy for success down the track.

Forecast update: More supply, more demand, sticky inflation

With Q1 GDP data now in the bag, we have updated our macro forecasts to incorporate not only the updated starting point, but also the additional fiscal stimulus announced in the Budget, very strong net migration inflows, green shoots in housing, the improving signal in our Business Outlook and the RBNZ's 'dovish' hike in May.

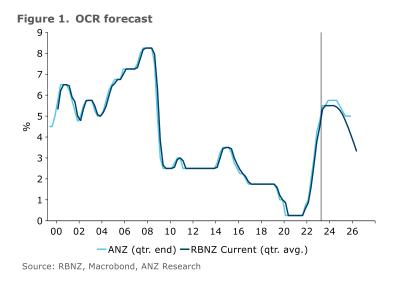
Our OCR call is unchanged. We think sticky inflation risks are currently underappreciated by the RBNZ, and that they will be back at the hiking table come November.

At the end of the day, 5.5% is just the RBNZ's first pass at how much hiking is needed to get on top of inflation. Given how hard economic forecasting is at the best of times, and that the current situation is far from the best of times given all the moving parts on both the demand and supply sides of the economy, it would be quite something to get it exactly right first time, really. Far likelier that 5.5% is either too much or too little, and both views are out there in the marketplace. For our part, we've pencilled in one more 25bp hike as a placeholder for how we see the balance of risks – and in practice, if the RBNZ does clear the hurdle for restarting tightening, it's unlikely to be for the sake of just 25bps. That is, officially our OCR forecast peaks at 5.75%, but we think the risk that the OCR picks up a 6-handle is greater than the next move being a cut.

In our view, unless something very nasty comes along out of left field, OCR cuts remain a very distant prospect indeed. The current economic slowdown we are forecasting isn't your run-of-the-mill downturn that policymakers will hasten to bring to an end; it's being deliberately engineered by the RBNZ, making it very different to an unexpected shock (such as a financial crisis). Households and business are able to plan for what's coming, and that appears to be adding to broader economic resilience.

While some households and businesses in rate-sensitive sectors are really struggling, a sense of relief does appear to be building now that the RBNZ has signalled it thinks it's done with rate hikes. But at the end of the day, the more robust underlying economic momentum proves to be, the more work the RBNZ will need to do to get on top of sticky inflation risks and guide the labour market to looser, but more sustainable, levels.

We're reminded of the pre-GFC hiking cycle, where the RBNZ paused for a few months in 2005, hiked 50 basis points, paused for around a year, and hiked another 100bps in 2007. Then the Global Financial Crisis came along, necessitating large, rapid cuts.

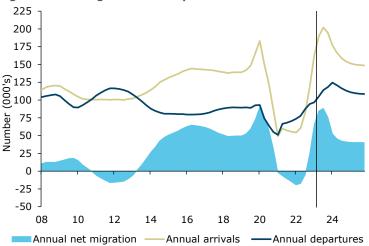


A shallower contraction expected

At -0.1% q/q, GDP growth was weaker than we or the RBNZ expected in Q1. There was noise in the data, certainly (including cyclone impacts and teacher strikes), but on a per capita basis the economy contracted 0.7% q/q, showing the economic situation at an individual household level is quite soft.

We have incorporated the recent surge in net migration into our activity forecast, almost doubling our previous net migration assumption for 2023 to just over 75k. Things are starting to settle down: the April data showed not only a dip in arrivals following a record high in March, but also that departures are picking up strongly into the NZ winter, which is something we have been expecting to see. Our forecasts assume that the tentative easing in arrivals is maintained, seeing net inflows decline on a quarterly basis over the second half of the year. Annual net migration settles around 40k by the end of our forecast.





Source: Stats NZ, ANZ Research

Migration-led population growth is bolstering demand for goods and services (including housing) and adding to labour supply (see next section). We've recently revised our house price outlook to reflect emerging green shoots, which appears to be a function of a widening under-supply of houses and the fact that some mortgage rates are falling. Looser LVR restrictions are also expected to add to demand for a short period.

Weighing it all up, we think housing tailwinds are currently blowing stronger than headwinds and that house prices will start mildly lifting again over the second half of the year. But not for long, given our expectation that the RBNZ will need to take a hawkish pivot later in the year, and also the fact that we are forecasting unemployment to rise over the remainder of the year.

Green shoots in housing may be one of the factors influencing business sentiment, with our Business Outlook showing a sharp recovery in construction intentions in May (albeit to still-weak levels). Headline confidence and a number of other activity indicators picked up strongly too, a trajectory that suggests the economy may in fact be picking up momentum before the RBNZ has even seen annual domestic inflation turn a corner. Of course, with the OCR 525bp higher over 18 months and more and more people steadily rolling over onto higher mortgage rates, upside is limited. But the RBNZ doesn't only need the economy to lose steam; they need it to roll over quite quickly – particularly the labour market.

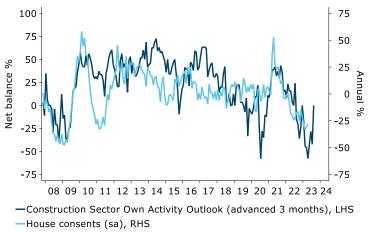


Figure 3. Residential construction intentions and house consents

Meanwhile, Budget 2023 earmarked an additional \$5bn or so (around 1.4% of GDP) in Government spending for the year to June 2024 that we did not previously expect. While fiscal consolidation is factored into the Treasury's medium-term forecast, this additional stimulus is expected to arrive at a time when there is little economic capacity to accommodate it. All else equal, that speaks to higher inflation and therefore higher interest rates than otherwise. The RBNZ's May MPS certainly played this risk down, but pro-cyclical fiscal expansion remains a near-term reality whatever the RBNZ does or doesn't say about it. We're certainly not saying the Government shouldn't respond to Cyclone Gabrielle, but larger spending reprioritisations and/or new revenue initiatives would have gone a long way towards containing the inflationary implications.

Looking forward, it's difficult to have a firm view of fiscal settings given policy could change significantly following October's General Election. Our outlook assumes the status quo for fiscal policy (as announced in Budget 2023) and will incorporate any changes to fiscal settings resulting from the election once we know the outcome.

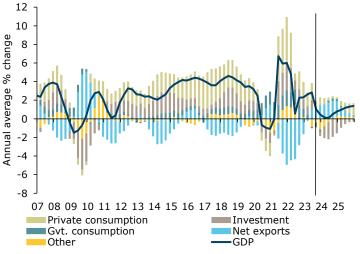
Putting it all together, the outlook for headline activity is looking a little stronger than previously. Officially, our forecast is for the economy to enter a very shallow double-dip recession over the second half of the year, but with the overall level of GDP ending a little higher than in our previous forecast. After Q2 brings some payback from Q1's weakness (we've

Source: Stats NZ, Macrobond, ANZ Research

pencilled in +0.4% q/q for Q2), our forecast has the economy contracting 0.3% over the second half of 2023 as households continue to tighten their belts and businesses pull back on their investment plans.

Broadly, the details of our updated activity outlook are similar to those previously published, just a little less pessimistic. Domestic demand is expected to remain sluggish as monetary tightening continues to weigh. Net exports are expected to contribute positively to growth, reflecting the ongoing recovery in services exports (chiefly international tourism and education – the former will be aided by the FIFA Woman's World Cup this winter) and as the weaker domestic demand pulse sees imports soften (figure 4).





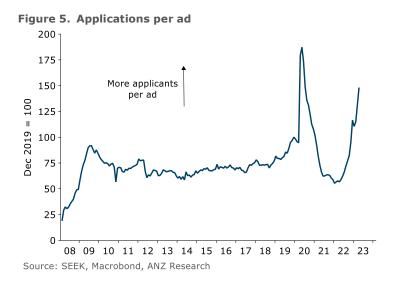
Source: Stats NZ, ANZ Research

Labour market expected to loosen more gradually

The labour remained exceptionally tight in Q1, with the unemployment rate remaining near a record low at 3.4%, the underutilisation rate falling further, and the labour force participation rate hitting a new record high of 72.0%. The recent surge in net migration has helped to boost labour supply, although strong employment growth of 0.8% q/q outpaced working-age population growth to see the employment rate hit a new record of 69.5%.

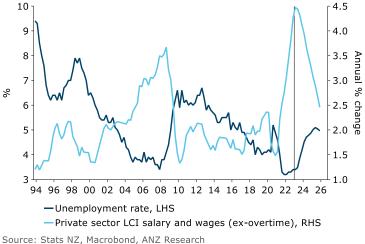
We're still expecting the labour market to soften across the rest of the year; however, we now think that supply-side lifts (more workers) will be a bigger driver than weaker demand. Employment growth is still running strong, with filled jobs rising 0.6% m/m in April, indicating labour demand is holding up for now. But we think that strength reflects previously unmet labour demand finally being worked through, rather than new or rising demand.

Indeed, forward-looking indicators of demand point to a softening, though not drastically. Employment intentions in our Business Outlook survey have been negative for more than six months, while job advertisements are declining, and applications per job have recently shot higher. That said, employment intentions remain well above levels in the last recession, and while job advertisements have declined, that's largely a case of falling back to a trend level after a massive surge last year. The recent pick-up in applicants per job advertisement, while sharp, is also likely reflective of improvements in labour supply. All up, whether driven by demand or supply-side factors, those indicators do read positively for increasing slack in the labour market, which the RBNZ will welcome.



We now expect the unemployment rate to rise more slowly across the second half of the year, to 4.2% by Q4 2023 (previous: 4.4%, RBNZ: 4.6%), and rising to a peak of 5.1% in 2025 (previous: 5.4%). Employment growth is expected to hold up, with a modest contraction occurring later this year. We expect both strong working-age population growth and the labour force participation rate to remain higher for longer. Together, these should allow the labour market to loosen despite stronger employment growth.





Softer inflation in the near term masks underlying persistence

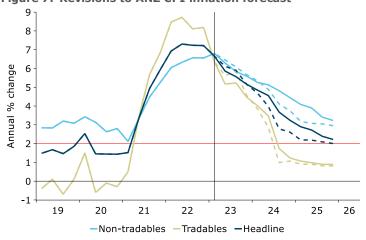
Positively, we've revised down our near-term inflation forecasts to reflect:

- easing construction costs,
- weaker-than-expected food price increases, and
- softer petrol and diesel prices (albeit temporarily).

Adjustments to these component forecasts result in annual CPI inflation decreasing to 5.9% y/y in Q2 (6.1% previously expected), and reaching 5.2% y/y in Q4, in line with our previous forecast.

Global inflation is declining, with shipping costs back to pre-COVID levels and supply-chain pressures falling to a record low in May, and subdued growth in China keeping downward pressure on global goods prices. This will all help see headline inflation ease across the second half of this year. Of course, this process was always going to occur, given the sharp and unsustainable surges in prices last year. While these have unwound a little faster than we had expected, it's a question of timing. And it masks an underlying domestically driven inflation impulse that is proving persistent.

The key driver of this is the tight labour market, exacerbated by the ongoing rebalancing of consumption from goods to services. The overheated labour market is culminating in strong wage pressures that are now in excess of both inflation and reasonable estimates for labour productivity gains. Cost pressures remain intense according to Business Outlook survey, and while pricing intentions have fallen much faster, indicating margins are compressing, prices tend to be much stickier coming down than going up as firms attempt to rebuild margins. The dynamics will depend ultimately on not only competition, but also how price-sensitive customers are, as that will determine optimal price strategy. The RBNZ is setting out to make consumers very price-sensitive indeed, in order to throw sand in the gears of the inflation machine.



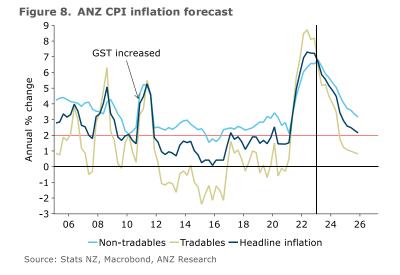


The surge in migration complicates the inflation picture.

On the one hand, labour supply improvements are easing capacity constraints, creating the degree of slack needed to reduce wage pressures. Given the unprecedented state of tightness in the labour market currently, those disinflationary impacts may be larger than usual. However, the rapid increase in net migration inflows adds to demand in other areas of the economy, particularly the housing market. Consents are easing just as housing demand has surged, which has seen New Zealand's housing deficit widen again. In conjunction with disruption from Cyclone Gabrielle and the return of international students, that is likely to put upward pressure on rents.

Looking ahead to next year, we see the disinflation process becoming more challenging once the low-hanging fruit has been picked. With stronger economic activity and a tighter labour market than previously forecast, once base effects roll out, we see a risk that inflation gets a bit stuck. Although near-term disinflation will support the continued gradual decline in inflation expectations we've seen in recent months, expectations for now are still well above target and proving sticky. Headline inflation no longer returns to the 2% midpoint of the RBNZ's target band within our forecast horizon, although it gets very close, falling to 2.2% by the end of 2025.

Source: Stats NZ, Macrobond, ANZ Research



External sector imbalance remains a big concern

New Zealand's current account deficit narrowed 0.5% pts of GDP to 8.5% in Q1 2023 – Q4's 9% was a record-breaker in data going back to the 1980s. There's a lot to unpack in terms of how we got here.

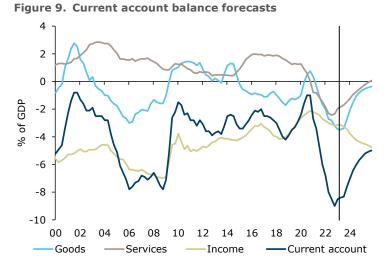
- The fiscal and monetary stimulus delivered on the back of the pandemic bolstered domestic demand, and an even larger share of that than normal was imported because of COVID restrictions on services spending.
- Export volumes have struggled in the face of bad weather, regulatory uncertainty and change, labour shortages, and supply disruptions.
- The terms of trade have fallen as high global inflation has seen import prices lift more than our export prices.
- The closed border annihilated international tourism and education receipts, decimating services exports while services imports (which are less travel intensive) were less impacted by closed borders.
- The income deficit is widening as higher global interest costs start to bite – something that's set to persist.

Our forecast is for the current account deficit to narrow as services exports continue to recover and imports of goods soften alongside domestic demand. But partially offsetting this is an expectation that the higher global interest rate environment will keep the income deficit under widening pressure (figure 9).

However, with the end of domestic petroleum refining adding further dependence on fuel imports, we think it'll take a lot for the goods trade balance to return to surplus any time soon – particularly with the risk of further severe weather events, ongoing labour shortages, cost escalation, a protectionist global trade environment, and ongoing regulatory change for agriculture making times tough for key exporters. Even with our expectation that the terms of trade will trend higher, we still don't expect the goods balance to return to surplus over our forecast horizon. We expect the current account to narrow to 5% of GDP by the end of 2025, wider than its historical average of -3.5 to -4%.

With a little luck, an outlook for a narrowing current account deficit should be enough to prevent New Zealand experiencing a sovereign credit ratings downgrade, but at these very wide levels it may not take much – a terms of trade shock for example, on the back of a weaker-than-expected global economy.

8



Source: Stats NZ, ANZ Research

Stepping back, the New Zealand economy has become quite out of balance in the wake of COVID-19. Closing the border significantly eroded the country's ability to earn foreign revenue to pay for its imports. Meanwhile, too much fiscal and monetary stimulus created a significant domestic inflation problem, an unsustainably tight (ie inflationary) labour market, and a big impetus to imports.

This wonkiness will correct in time, but the adjustment won't be fun. It will require a pullback in aggregate demand, brought about by contractionary monetary policy and fiscal discipline (which appears structurally looser in the wake of the pandemic). The stakes are high, as the alternative to running unsustainable macroeconomic conditions is an even harder landing and sharper adjustment. Better to correct early than rely on the brakes at the last second.

Key forecasts

itey forecases							
Calendar Years	2019	2020	2021	2022	2023(f)	2024(f)	2025(f)
NZ Economy (annual average % change)							
Real GDP (production)	3.1	-1.5	6.1	2.7	0.7	0.7	1.5
Private Consumption	3.2	-2.2	7.9	2.9	1.2	0.2	1.9
Public Consumption	4.7	7.2	8.2	4.5	-1.0	0.9	-0.5
Residential investment	5.3	-3.1	8.4	1.0	-4.4	-7.0	1.3
Other investment	4.0	-5.1	13.9	4.9	-0.7	-5.6	-1.2
Stockbuilding ¹	-0.5	-0.8	1.3	0.0	-1.3	0.2	0.1
Gross National Expenditure	3.1	-1.8	10.3	3.5	-0.9	-0.8	1.1
Total Exports	2.6	-13.5	-2.4	0.3	7.3	6.7	5.4
Total Imports	2.2	-15.8	14.8	5.4	0.3	0.1	3.5
Employment (annual %)	1.2	0.6	3.3	1.6	1.1	0.3	1.3
Unemployment Rate (sa; Dec qtr)	4.1	4.9	3.2	3.4	4.2	4.9	5.1
Labour Cost Index (annual %)	2.4	1.5	2.8	4.3	4.1	3.3	2.5
Terms of trade (OTI basis; annual %)	7.1	-1.6	2.8	-4.2	0.6	1.6	1.7
Prices (annual % change)							
CPI Inflation	1.9	1.4	5.9	7.2	5.2	2.9	2.2
Non-tradable Inflation	3.1	2.8	5.3	6.6	5.7	4.1	3.2
Tradable Inflation	0.1	-0.3	6.9	8.2	4.5	1.2	0.8
REINZ House Price Index	5.1	15.5	26.2	-12.8	-0.2	2.3	3.2
NZ Financial Markets (end of December q	juarter)						
NZD/USD	0.67	0.72	0.68	0.64	0.63	0.65	
NZD/AUD	0.96	0.94	0.94	0.93	0.90	0.89	
NZD/EUR	0.60	0.59	0.60	0.59	0.55	0.54	
NZD/JPY	73.1	74.6	78.6	83.3	78.1	75.4	
NZD/GBP	0.51	0.53	0.51	0.52	0.48	0.48	
NZD/CNY	4.69	4.74	4.35	4.38	4.13	4.16	
NZ\$ TWI	73.7	75.2	73.2	72.1	68.7	68.9	
Official Cash Rate	1.00	0.25	0.75	4.25	5.75	5.50	5.00
90-day bank bill rate	1.29	0.27	0.97	4.65	5.85	5.43	5.10
2-year swap rate	1.26	0.28	2.17	5.38	5.21	4.37	4.35
10-year government bond rate	1.65	0.99	2.39	4.47	4.30	4.00	4.00

¹ Percentage point contribution to growth

Forecasts finalised 16 June 2023

Source: Statistics NZ, REINZ, Bloomberg, Treasury, ANZ Research

Contact us



Meet the team

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



Sharon Zollner Chief Economist

Follow Sharon on Twitter @sharon_zollner

Telephone: +64 27 664 3554 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



Henry Russell Economist

Macroeconomic forecasting, economic developments, labour market dynamics, inflation and monetary policy.

Telephone: +64 21 629 553 Email: henry.russell@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: 18 April 2023

The opinions and research contained in this document (which may be in the form of text, image, video or audio) are (a) not personal financial advice nor financial advice about any product or service; (b) provided for information only; and (c) intended to be general in nature and do not take into account your financial situation or goals.

This document may be restricted by law in certain jurisdictions. Persons who receive this document must inform themselves about and observe all relevant restrictions.

Disclaimer for all jurisdictions: This document is prepared by ANZ Bank New Zealand Limited (ANZ Centre, 23-29 Albert Street, Auckland 1010, New Zealand). This document is distributed in your country/region by Australia and New Zealand Banking Group Limited (ABN11 005 357 522) (ANZ), a company incorporated in Australia or (if otherwise stated), by its subsidiary or branch (herein collectively referred to as **ANZ Group**). The views expressed in this document are those of ANZ Economics and Markets Research, an independent research team of ANZ Bank New Zealand Limited.

This document is distributed on the basis that it is only for the information of the specified recipient or permitted user of the relevant website (**recipients**).

This document is solely for informational purposes and nothing contained within is intended to be an invitation, solicitation or offer by ANZ Group to sell, or buy, receive or provide any product or service, or to participate in a particular trading strategy.

Distribution of this document to you is only as may be permissible by the laws of your jurisdiction, and is not directed to or intended for distribution or use by recipients resident or located in jurisdictions where its use or distribution would be contrary to those laws or regulations, or in jurisdictions where ANZ Group would be subject to additional licensing or registration requirements. Further, any products and services mentioned in this document may not be available in all countries.

ANZ Group in no way provides any personal financial, legal, taxation or investment advice to you in connection with any product or service discussed in this document. Before making any investment decision, recipients should seek independent financial, legal, tax and other relevant advice having regard to their particular circumstances.

Whilst care has been taken in the preparation of this document and the information contained within is believed to be accurate, ANZ Group does not represent or warrant the accuracy or completeness of the information, except with respect to information concerning ANZ Group. Further, ANZ Group does not accept any responsibility to inform you of any matter that subsequently comes to its notice, which may affect the accuracy of the information in this document.

Preparation of this document and the opinions expressed in it may involve material elements of subjective judgement and analysis. Unless specifically stated otherwise: they are current on the date of this document and are subject to change without notice; and, all price information is indicative only. Any opinions expressed in this document are subject to change at any time without notice.

ANZ Group does not guarantee the performance of any product mentioned in this document. All investments entail a risk and may result in both profits and losses. Past performance is not necessarily an indicator of future performance. Any products and services described in this document may not be suitable for all investors, and transacting in these products or services may be considered risky.

ANZ Group expressly disclaims any responsibility and shall not be liable for any loss, damage, claim, liability, proceedings, cost or expense (**Liability**) arising directly or indirectly and whether in tort (including negligence), contract, equity or otherwise out of or in connection with this document to the extent permissible under relevant law. Please note, the contents of this document have not been reviewed by any regulatory body or authority in any jurisdiction.

ANZ Group may have an interest in the subject matter of this document. They may receive fees from customers for dealing in any products or services described in this document, and their staff and introducers of business may share in such fees or remuneration that may be influenced by total sales, at all times received and/or apportioned in accordance with local regulatory requirements. Further, they or their customers may have or have had interests or long or short positions in any products or services described in this document, and may at any time make purchases and/or sales in them as principal or agent, as well as act (or have acted) as a market maker in such products. This document is published in accordance with ANZ Group's policies on conflicts of interest and ANZ Group maintains appropriate information barriers to control the flow of information between businesses within the group.

Your ANZ Group point of contact can assist with any questions about this document including for further information on these disclosures of interest.

Australia. ANZ holds an Australian Financial Services licence no. 234527. For a copy of ANZ's Financial Services Guide please click here or request from your ANZ point of contact.

Brazil. This document is distributed on a cross border basis and only following request by the recipient. No securities are being offered or sold in Brazil under this document, and no securities have been and will not be registered with the Securities Commission - CVM. **Brunei, Japan, Kuwait, Malaysia, Switzerland, Taiwan.** This document is distributed in each of these jurisdictions by ANZ on a cross-border basis.

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

Canada. This document is general information only, is intended for institutional use only – not retail, and is not meant to be tailored to the needs and circumstances of any recipient. In addition, this document is not intended to be an offer or solicitation to purchase or sell any security or other financial instrument or to employ a specific investment strategy.

Chile. You understand and agree that ANZ is not regulated by Chilean Authorities and that the provision of this document is not subject to any Chilean supervision and is not guaranteed by any regulatory or governmental agency in Chile.

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

Hong Kong. This document is issued or distributed in Hong Kong by the Hong Kong branch of ANZ, which is registered at the Hong Kong Monetary Authority to conduct Type 1 (dealing in securities), Type 4 (advising on securities) and Type 6 (advising on corporate finance) regulated activities. The contents of this document have not been reviewed by any regulatory authority in Hong Kong. If you are in any doubt about any of the contents of this document, you should obtain independent professional advice.

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

Israel. ANZ is not a holder of a licence granted in Israel pursuant to the Regulation of Investment Advising, Investment Marketing and Portfolio Management Law, 1995 ("Investment Advice Law") and does not hold the insurance coverage required of a licensee pursuant to the Investment Advice Law. This publication has been prepared exclusively for Qualified Clients as such term is defined in the First Schedule to the Investment Advice Law. As a prerequisite to the receipt of a copy of this publication a recipient will be required to provide confirmation and evidence that it is a Qualified Client. Nothing in this publication should be considered Investment Advice or Investment Advice Law. Recipients are encouraged to seek competent investment advice from a locally licensed investment adviser prior to making any investment.

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

Important notice

New Zealand. This document is distributed in New Zealand by ANZ Bank New Zealand Limited. The material is for information purposes only and is not financial advice about any product or service. We recommend you seek advice about your financial situation and goals before acquiring or disposing of (or not acquiring or disposing of) a financial product.

Oman. ANZ neither has a registered business presence nor a representative office in Oman and does not undertake banking business or provide financial services in Oman. Consequently ANZ is not regulated by either the Central Bank of Oman (**CBO**) or Oman's Capital Market Authority (**CMA**). The information contained in this document is for discussion purposes only and neither constitutes an offer of securities in Oman as contemplated by the Commercial Companies Law of Oman (Royal Decree 4/74) or the Capital Market Law of Oman (Royal Decree 80/98), nor does it constitute an offer to sell, or the solicitation of any offer to buy non-Omani securities in Oman as contemplated by Article 139 of the Executive Regulations to the Capital Market Law (issued vide CMA Decision 1/2009). ANZ does not solicit business in Oman and the only circumstances in which ANZ sends information or material describing financial products or financial services to recipients in Oman, is where such information or material has been requested from ANZ and the recipient understands, acknowledges and agrees that this document has not been approved by the CBO, the CMA or any other regulatory body or authority in Oman. ANZ does not financial services may or will be consummated within Oman. Nothing contained in this document is intended to constitute Omani investment, legal, tax, accounting or other professional advice.

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

Peru. The information contained in this document has not been, and will not be, registered with or approved by the Peruvian Superintendency of the Securities Market (Superintendencia del Mercado de Valores, **SMV**) or the Lima Stock Exchange (Bolsa de Valores de Lima, **BVL**) or under the Peruvian Securities Market Law (Legislative Decree 6 861), and will not be subject to Peruvian laws applicable to public offerings in Peru. To the extent this information refers to any securities or interests, it should be noted the securities or interests may not be offered or sold in Peru, except if (i) such securities or interests were previously registered with the Peruvian Superintendency of the Securities Market, or (ii) such offering is considered a private offering in Peru under the securities laws and regulation of Peru. **Qatar.** This document has not been, and will not be:

- lodged or registered with, or reviewed or approved by, the Qatar Central Bank (QCB), the Qatar Financial Centre (QFC) Authority, QFC Regulatory Authority or any other authority in the State of Qatar (Qatar); or
- authorised or licensed for distribution in Qatar, and the information contained in this document does not, and is not intended to, constitute a public offer or other invitation in respect of securities in Qatar or the QFC.
- The financial products or services described in this document have not been, and will not be:
- registered with the QCB, QFC Authority, QFC Regulatory Authority or any other governmental authority in Qatar; or
- authorised or licensed for offering, marketing, issue or sale, directly or indirectly, in Qatar.

Accordingly, the financial products or services described in this document are not being, and will not be, offered, issued or sold in Qatar, and this document is not being, and will not be, distributed in Qatar. The offering, marketing, issue and sale of the financial products or services described in this document and distribution of this document is being made in, and is subject to the laws, regulations and rules of, jurisdictions outside of Qatar and the QFC. Recipients of this document must abide by this restriction and not distribute this document in breach of this restriction. This document is being sent/issued to a limited number of institutional and/or sophisticated investors (i) upon their request and confirmation that they understand the statements above; and (ii) on the condition that it will not be provided to any person other than the original recipient, and is not for general circulation and may not be reproduced or used for any other purpose. **Singapore.** To the extent that this document contains any statements of opinion and/or recommendations related to an investment product or class of investment product (as defined in the Financial Advisers Act 2001), this document is distributed in Singapore by ANZ solely for the information of "accredited investors", "expert investors" or (as the case may be) "institutional investors" (each term as defined in the Securities and Futures Act 2001 of Singapore). ANZ is licensed in Singapore under the Banking Act 1970 of Singapore. In respect of any matters arising from, or in connection with, the distribution of this document in Singapore, please speak to your usual ANZ contact in Singapore.

United Arab Emirates (UAE). This document is distributed in the UAE or the Dubai International Financial Centre (**DIFC**) (as applicable) by ANZ. This document does not, and is not intended to constitute: (a) an offer of securities anywhere in the UAE; (b) the carrying on or engagement in banking, financial and/or investment consultation business in the UAE under the rules and regulations made by the Central Bank of the UAE, the Emirates Securities and Commodities Authority or the UAE Ministry of Economy; (c) an offer of securities within the meaning of the Dubai International Financial Centre Markets Law (**DIFCML**) No. 12 of 2004; and (d) a financial promotion, as defined under the DIFCML No. 1 of 200. ANZ DIFC Branch is regulated by the Dubai Financial Services Authority (**DFSA**). The financial products or services described in this document are only available to persons who qualify as "Professional Clients" or "Market Counterparty" in accordance with the provisions of the DFSA rules.

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

United States. Except where this is a FX-related document, this document is distributed in the United States by ANZ Securities, Inc. (**ANZ SI**) which is a member of the Financial Regulatory Authority (**FINRA**) (www.finra.org) and registered with the SEC. ANZSI's address is 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 9160 Fax: +1 212 801 9163). ANZSI accepts responsibility for its content. Information on any securities referred to in this document may be obtained from ANZSI upon request. This document or material is intended for institutional use only – not retail. If you are an institutional customer wishing to effect transactions in any securities referred to in this document 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 wishing to effect transactions in any securities referred to INS 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.