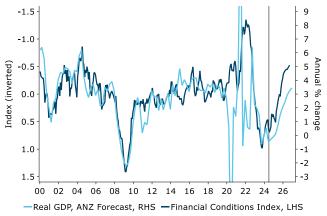




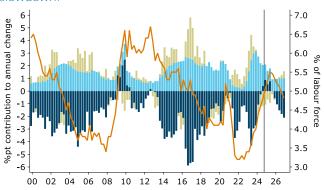
We now expect a faster recovery in activity...

Financial conditions have eased and the economy is already responding.



The labour market is expected to continue to weaken into 2025...

Labour demand continues to respond to the past slowdown.



Employment contribution, LHS = Working-age population contribution, LHS
 Labour force participation contribution, LHS — Unemployment rate, RHS

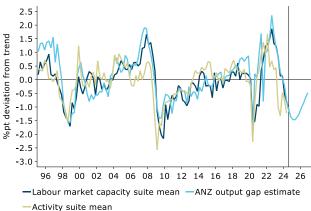
We expect the OCR to fall to 3.5% by the middle of next year.

As the OCR moves closer to neutral, the RBNZ is expected to shift to a more gradual easing approach



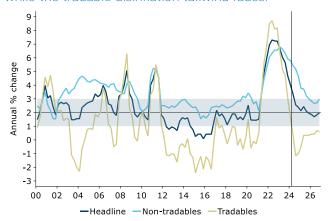
...from a weaker starting point.

The economy is operating with significant excess capacity.



...while inflation remains around the 2% target midpoint.

Domestic inflation is expected to continue to ease, while the tradable disinflation tailwind fades.



Inside

The big picture	3
Our forecasts	5
Forecast charts	9
Meet the team	12
Important Notice	13

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

This is not personal advice nor financial advice about any product or service. The opinions and research contained in this document are provided for information only, are intended to be general in nature and do not take into account your financial situation or goals. Please refer to the Important Notice.

ISSN 2624-1439

Publication date: 18 November 2024



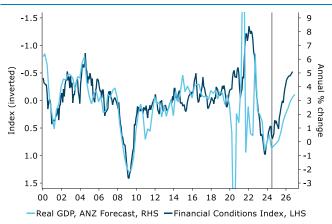
The big picture

Finding neutral

The RBNZ has started withdrawing monetary restriction. Parts of the economy are responding to that, but it will take time for easier monetary conditions to be reflected in hard economic outcomes. Business confidence has lifted sharply, but activity and employment indicators for the here and now, while off their lows, are still soft relative to history. Auction clearance rates suggest the housing market is about to turn a corner, but there's still plenty of data to suggest it is quite loose currently. Falling interest rates are expected to drive a recovery in economic growth towards trend, and an eventual improvement in labour market conditions. But there's still a patch of soft momentum to navigate in the near term, and things will remain patchy for some time. The RBNZ is not on a preset path, and the data flow will determine the pace and extent of easing. We remain comfortable with our current forecast for the OCR to reach 3.5% by mid-2025.

The economy remains soft, but interest rates are now falling quickly, paving the way for the recovery. Markets are obsessed with how far and how fast rates will fall (we are forecasting a follow-up 50bp cut in November, with 25s thereafter taking the OCR to 3.5%), but for most businesses and households, the big question is how quickly and vigorously the economy will respond. Lower interest rates, house price falls petering out, easier credit conditions, a softish NZD and more have all contributed to easing financial conditions that suggest better times ahead (figure 1).

Figure 1. ANZ Financial Conditions Index (lagged 9 months) vs GDP



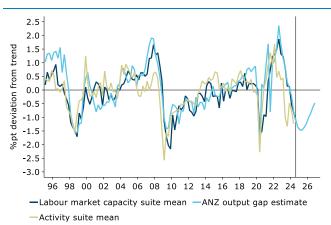
Source: Stats NZ, Macrobond, ANZ Research

For the RBNZ's part, current guidance is that the OCR is on a path towards neutral – ie the RBNZ feel confident enough in the inflation outlook to withdraw monetary restriction, but do not deem it necessary to inject stimulus. That could change of course. Should the economy and inflation pulse undershoot

expectations, the RBNZ will not hesitate to take the OCR into stimulatory territory. However, given the scope for "structurally higher" inflation going forward, they will need to tread cautiously.

Our suite of capacity indicators (figure 2) makes the case that the cyclical position of the economy justifies a little stimulus (an OCR below neutral). However, strong contributions to CPI inflation from 'nonmarket' sources such as council rates, insurance, private health care, electricity (regulated increases in distribution charges from Q2 2025) are not set to dissipate any time soon, which means that for a given level of activity there is a risk that CPI inflation will continue to run hotter than it did over the decade prior to the pandemic. And if the housing market gets wind in its sails over 2025, housing-related components of the CPI could easily join in to see headline inflation settle above the 2% target midpoint over the medium term. In other words, the "cyclical" case for OCR cuts is strong, but the "structural" reality is that the RBNZ needs to balance risks on both sides. Getting the OCR back to neutral is looking like a relatively low-risk strategy, but there is still plenty of scope for the data to surprise our and the RBNZ's forecasts - on either side.

Figure 2. ANZ capacity suite



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

Another key uncertainty (related to some of the structural risks outlined previously) is where the neutral level of the OCR is and will settle over time. The neutral OCR is the interest rate that stabilises output growth and inflation in the medium term – ie it's where we could expect the OCR to be, were the economy in equilibrium and inflation stable at target. You can think of neutral as being the rate that brings balance between aggregate savings and investment demand, which themselves depend on all manner of things, including demographics, risk appetite, expectations for incomes and profits, technological change and adaptation, access to global capital



The big picture

markets and trade, institutional arrangements, regulatory settings; the list goes on.

Gauging where the neutral level of the OCR is in real time (and forecasting it) is a significant challenge for policymakers. That said, the structural factors that underpin neutral are slow moving. The RBNZ's long-run neutral OCR estimate is currently 2.8%, but the RBNZ's own model suite ranges from 1.8% to 4.2%! Our neutral OCR assumption remains 3.5%, but our and the RBNZ's estimate will be influenced by how the economy responds to rate cuts. There's also a scenario where the economic cycle justifies a subneutral OCR to stabilise inflation at the 2% target midpoint in the near term, before structural factors see the OCR rise in the medium term.

So far, the economic response to the withdrawal of monetary restriction is looking pretty "textbook". High-frequency activity indicators have generally improved, and confidence has bounced following the falls in interest rates. The response in these data has reduced the risk of a protracted economic downturn, but it certainly hasn't gone away entirely. There's still a challenging period for the economy to navigate as the labour market continues to soften in the near term (given typical lags) and the impacts of lower interest rates take time to flow through.

Mortgage holders will roll onto lower rates faster than they rolled onto higher ones, but the impact on household cashflow is still relatively slow. Our Business Outlook survey shows confidence has spiked dramatically, but it's reasonable to think most firms will wait for the expected higher demand to manifest before taking on more staff or making an investment.

The housing market is the place to look for early impacts of the reduced cost of new debt, and there is evidence the vibe is shifting, with a marked lift in the proportion of houses successfully selling at auction.

As well as lower interest rates, economic tailwinds include easing credit conditions, higher dairy prices, and population growth – albeit the latter has slowed meaningfully as the labour market softens. Key headwinds are weak global growth (particularly China) and rising unemployment. This recession was

caused by high interest rates, so lower rates are likely to be an effective cure, but not an instant one.

Meanwhile, fiscal policy continues to balance the long-overdue fiscal consolidation (after the last Government ran pro-cyclical fiscal policy that exacerbated the CPI inflation surge) against the need to deliver key Government services and investments (where an aging population and infrastructure deficit are set to keep the pressure on for the foreseeable future). Getting the books back into shape without broadening the tax base, while delivering public services and investment, won't be easy over the longer run. But the previous Government locked a lot of spending into baselines following the pandemic, meaning there could be scope for large reprioritisations as needs arise. Big picture: given the Government's commitment to fiscal consolidation, discretionary fiscal policy decisions represent a smaller upside inflation (and therefore interest rate) risk compared to the last Government's fiscal strategy. We expect the Government to reiterate its intention to live within the operating allowance profile set out at Budget in December's Half-Year Economic and Fiscal Update.

Globally, Tump's emphatic win will have implications for the global economy, particularly for economies that tend to run a trade surplus with the US (eg China, Europe, Mexico). But details of his policy agenda are lacking at this stage, making it difficult to quantify and incorporate into the outlook. But broadly speaking, it's likely that the indirect impacts of increased protectionism in the US (such as weaker demand outside of the US) will have a larger impact on NZ than the direct impacts. But that will also depend on how the NZD reacts and what policy makers among our largest trading partners (eg China) do to stabilise demand. There could be significant offsets for our exporters.

All in all, while the RBNZ is confident that CPI inflation risks are balanced, upside inflation risks haven't evaporated completely, and it is not yet clear that economic conditions warrant anything more than a sharp adjustment in monetary conditions towards neutral.

Table 1. Summary of key forecasts

3 3							
Calendar Years	2020	2021	2022	2023	2024f	2025f	2026f
Real GDP ¹ (annual average % change)	-1.4	5.7	2.4	0.7	-0.1	1.1	3.0
Unemployment Rate (sa; Dec qtr)	4.9	3.2	3.4	4.0	5.1	5.3	4.8
CPI Inflation (annual % change; Dec qtr)	1.4	5.9	7.2	4.7	2.1	2.3	1.9
Official Cash Rate (Dec qtr end)	0.25	0.75	4.25	5.50	4.25	3.50	3.50

¹ Production based

Source: Statistics NZ, REINZ, Bloomberg, ANZ Research

Forecasts finalised 18 November 2024. See page 8 for detailed forecast charts and this link to download tables

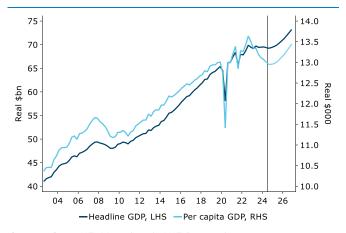


A faster recovery is expected...

A faster withdrawal of monetary restriction by the RBNZ is expected to see economic activity recover faster than outlined in our previous edition. While economic conditions remain challenging here and now, and in fact we have revised our near-term GDP forecast marginally lower, the RBNZ's signalled preference to return to a neutral policy stance quickly has laid the path for a faster recovery from the second half of 2025.

Interest rate relief will take time to flow through, but emerging evidence suggests that the economy is responding. That said, significant uncertainty surrounding our forecast remains. While the drivers of economic momentum are shifting to the upside, including the recovery in the housing market, rising confidence and improving terms of trade, it remains uncertain how much damage has been done to the economy from the restrictive monetary conditions.

Figure 3. GDP and GDP per capita



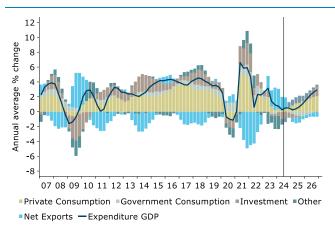
Source: Stats NZ, Macrobond, ANZ Research

We expect a largely stagnant economic performance over the second half of 2024 will be followed by a gradual recovery next year. The economy is expected to grow 1.1% over 2025 (previously 0.8%), and 3.0% over 2026 (previously 2.2%). The upgrade to activity reflects a stronger recovery in domestic demand, with the faster normalisation in policy settings driving a cyclical recovery in investment as firms make up for delayed investment activity, while consumption rises as debt-servicing costs fall and real incomes continue to recover from the erosion caused by high inflation.

Partially offsetting stronger domestic demand is waning support from net exports as import demand firms in line with broader economic activity, while the post-COVID recovery in services exports (chiefly international tourism) tapers. Merchandise export performance is expected to improve in the near term as favourable weather conditions and rising export

prices support growth in volumes. However, in the medium term, land-use constraints are expected to continue to restrict growth in primary production and see export volume growth flatten off.

Figure 4. Contributions to GDP growth



Source: Stats NZ, Macrobond, ANZ Research

All up, while the outlook for activity is much improved, the economy will continue to navigate challenging conditions for some time yet. Risks to the outlook remain two-sided. On the one hand, high-frequency indicators have offered reassurance that the economy is responding to lower interest rates, though the extent of damage from past monetary restriction remains highly uncertain, with the ongoing deterioration in labour market conditions a potential handbrake on the recovery.

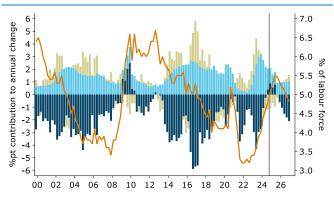
...with the labour market to follow with a lag

While economic activity is expected to gradually recover, labour market conditions are expected to continue to weaken into 2025 as the impacts of past monetary tightening continue to flow through. The unemployment rate is expected to peak at 5.5% in the middle of 2025 before a recovery in labour demand spurs a return to a better balance.

The adjustment in employment levels to past weakness in economic activity is expected to continue through the first half of 2025. While private sector employment is already firmly in contraction, growth in industries more closely tied to fiscal policy settings is providing a partial offset. However, as fiscal consolidation continues, support to employment growth from public demand is likely to fade.

On the supply side, fewer job opportunities are resulting in weaker labour force participation as discouraged worker effects play out, while labour supply growth is also slowing on the back of rapidly cooling net migration inflows as fewer migrants arrive and more kiwis look to opportunities offshore.

Figure 5. Unemployment rate decomposition

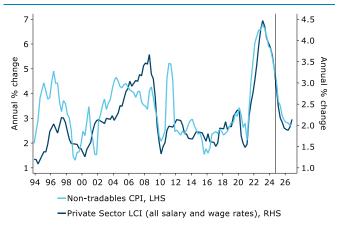


Employment contribution, LHS = Working-age population contribution, LHS
 Labour force participation contribution, LHS — Unemployment rate, RHS

Source: Stats NZ, Macrobond, ANZ Research

As a result of weak labour demand, spare capacity continues to emerge in the labour market, driving the adjustment in wage growth to rates better aligned with stable inflation outcomes. Forward indicators of wage growth, such as in our Business Outlook survey, signal that this adjustment has occurred at pace. With inflation expectations having returned to levels consistent with headline inflation at 2%, this should provide a floor to the adjustment, despite still-growing spare labour market capacity. All up, the labour market no longer stands as a source of upside risk to domestic inflation, with attention now fixed on downside risks.

Figure 6. Wage and non-tradable inflation



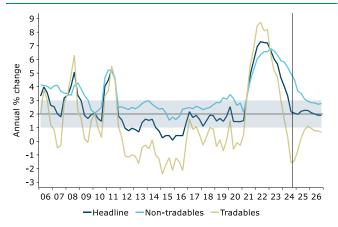
Source: Stats NZ, Macrobond, ANZ Research

... as inflation remains anchored near 2%

The Q3 CPI inflation data marked the return to the 1-3% target band for the first time since March 2021. And at 2.2%, annual inflation is within touching distance of the 2% target midpoint. Our expectation, absent shocks, is that inflation will remain around the 2% midpoint from here, as domestic disinflation progress continues, offsetting an expected

normalisation in tradable inflation following the sharp adjustment over the past year. While tradable inflation has done a lot of the heavy lifting in returning inflation to target, the baton is likely to be passed to domestic drivers in 2025.

Figure 7. Inflation component forecast



Source: Stats NZ, Macrobond, ANZ Research

Risks to the domestic inflation outlook appear balanced in aggregate, though there remain some problematic components that are likely to remain robust. Administrative prices such as council rates, and electricity distribution charges continue to adjust to the past high-inflation environment and remain sources of upside risk, but those upside risks are being tempered by anticipated disinflation across market components as weaker economic activity and rising spare capacity restrict firms' pricing power.

Tradable inflation, as always, carries significant risk. The increasingly volatile global environment, rising barriers to trade amidst the return to protectionism, geopolitical risks and more frequent supply-side disruption are expected to see tradable inflation settle higher in the medium-term than the pre-COVID experience. However, structural challenges in China's economy due to the property sector downturn are resulting in deflationary conditions that could provide a meaningful offset.

While the threat of inflation shocks is heightened in a challenging global environment, the normalisation in inflation expectations provides the RBNZ flexibility to look through transitory inflation shocks. While there will be bumps along the road to 2%, the conditions are in place for a sustained return to a low-inflation environment

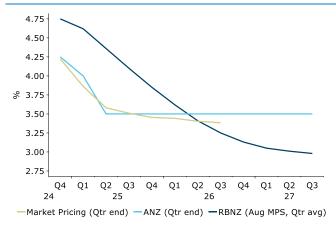
Short end rates have a little further to fall

As the OCR goes lower, it's expected to drag short-end interest rates down with it, with a more pronounced effect on the very short end (90-day bill rates), but less

Our forecasts

of an impact on rates like the 2yr swap rate. Markets are forward-looking by nature, and in situations like the one we're in now, where pending OCR cuts have been well telegraphed by the RBNZ, and are in most economists' forecasts, they are also baked into market pricing (figure 8). Very short-term rates like the 90-day rate only "look" 90 days into the future. They can't move too pre-emptively, and thus are expected to fall more gradually. However, the 2-year swap rate trades with reference to where markets think the OCR will average over the next 2 years (with minor adjustments for other factors like term and funding premiums), and since markets expect the OCR to be at 3.5% by mid-2025, they have already come down in anticipation of that. Accordingly, notwithstanding week-to-week volatility (as was seen around US elections), we don't expect them to fall significantly further.

Figure 8. Market expectations for the OCR and forecasts



Source: RBNZ, ICAP, Bloomberg, Macrobond, ANZ Research

With market expectations of where the OCR will bottom out similar to our own (3.5%), we see the risks around our forecasts as balanced. But that's not to say there are no risks. To the downside, if the RBNZ ends up needing to cut by more, which would ultimately force a downward adjustment in market expectations, the 2yr swap rate would likely fall further. But going the other way, if markets ultimately take the view that the OCR doesn't need go as low as 3.5%, or that it'll go to 3.5% and then need to rise again (perhaps in early 2026, as the economy responds to cuts), then the 2yr swap rate might not fall as far as we are forecasting, or even start rising a little. Nothing is on autopilot.

Long-term rates are rising alongside their US equivalents following US elections

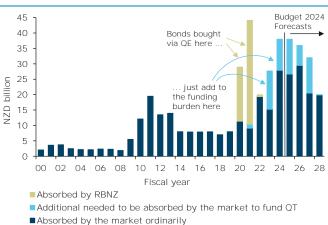
In our last Quarterly, we wrote how we were expecting the NZ 10yr bond yield to fall from where it was at that time (around 4.2%) to around 4%, leading the OCR lower, before rising over the second half of 2025 as the

RBNZ and Fed easing cycles ended and markets looked forward to economies responding to cuts.

In the weeks that followed, we did see the 10yr yield fall to around 4%, but it has since bounced sharply and sat at around 4.7% as we went to print. This move was almost entirely led by the US, where markets have moved to anticipate fewer and more gradual Fed cuts as the US economy has shown resilience, reinforcing the "soft landing" economic narrative. Markets have also moved to consider the consequences of President-elect Trump's proposed tariffs, and the prospect of more stimulatory fiscal policy and increased government bond issuance.

Looking ahead, we expect those factors to continue weighing on US and global bond market sentiment, and that's expected to keep upward pressure on NZ long end interest rates and bond yields too, steepening yield curves. New Zealand has a far more enviable position than the US in terms of the level of outstanding government debt (IMF data, calculated on an internationally comparable basis, puts New Zealand's public debt at 22% of GDP, compared with the US at around 99%). However, NZ fiscal surpluses aren't expected until 2028, and ongoing hefty bond issuance (influenced in part by quantitative tightening, or QT, as in figure 9) is expected to continue supporting higher-than-otherwise bond yields here.

Figure 9. The impact of QT on NZGB issuance that markets need to absorb



Source: NZDM, RBNZ, Bloomberg ANZ Research

The NZD is forecast to appreciate, but US pro-growth policies pose downside risks

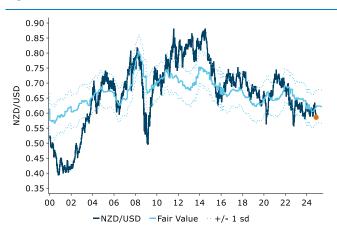
Our FX forecasts have not changed since last quarter: mild gradual NZD/USD appreciation to 0.62 by year end, and 0.63 by the end of 2025. These moves are expected to be supported by stronger commodity prices (particularly dairy) and gravitational pull back to fair value, which we see at 0.62 (figure 10).



Our forecasts

With the Australian economy doing better and the RBA easing cycle yet to kick off, we expect NZD/AUD to drift down to 0.899 by year end and to 0.887 by the end of 2025. Our forecasts have been calling for a move lower for some time, and while it has fallen less quickly than we anticipated, it has indeed fallen as the year has unfolded. That move has coincided with Australia's gradual move upward in rankings on our FX scorecard (figure 11), where it now ranks clear #1.

Figure 10. ANZ estimate of NZD fair value



Source: Bloomberg ANZ Research

Figure 11. ANZ global macro and financial FX scorecard

Category	NZD	AUD	USD	CAD	GBP	EUR
Annual GDP growth	-0.5%	1.0%	2.7%	1.3%	0.7%	0.9%
Annual CPI inflation	2.2%	2.8%	2.6%	1.6%	1.7%	2.0%
Policy rate (cash rate) *	4.75%	4.35%	4.65%	3.75%	4.70%	3.25%
2yr swap rate (spread to cash)	-0.84%	-0.17%	-0.55%	-0.71%	-0.18%	-0.98%
10yr bond yield #	4.70%	4.70%	4.48%	3.31%	4.52%	2.39%
Unemployment	4.8%	4.1%	4.1%	6.5%	4.3%	6.3%
C/A balance % GDP	-6.7%	-0.7%	-3.3%	-0.8%	-2.2%	2.5%
Budget balance % GDP -	-2.4%	-0.5%	-6.5%	-1.5%	-3.6%	-3.1%
Govt net debt % GDP ^	22.4%	29.5%	98.8%	14.4%	91.6%	45.6%
Credit Rating (S&P) Δ	AA+	AAA	AA+	AAA	AA	AAA

Source: Bloomberg, IMF, Standard and Poor's, ANZ Research.

* USD rate is the Fed's Interest Rate on Reserve Balances; GBP rate is BOE SONIA rate; EUR rate is ECB Deposit Facility Rate.

EUR 10yr Bond Yield is the German Bund.

 \sim Budget Balances are Bloomberg consensus forecasts for the current calendar year; EUR figure is for Germany.

 $^{\wedge}$ Net Debt figures are IMF forecast for General Government Net Debt for the current calendar year; EUR figure is for Germany.

 Δ Credit ratings are Standard & Poor's long term foreign currency ratings; EUR rating is for Germany.

1st place (or #1) in each category shaded dark blue, 2nd place (or #2) light blue, 2nd last place orange, and last place shaded red.

Table 1: Forecasts (end of quarter)

FX Rates	Current	Dec-24	Mar-25	Jun-25	Sep-25	Dec-25	Mar-26	Jun-26
NZD/USD	0.586	0.62	0.62	0.62	0.63	0.63	0.64	0.64
NZD/AUD	0.906	0.90	0.89	0.89	0.89	0.89	0.89	0.89
NZD/EUR	0.556	0.56	0.55	0.54	0.54	0.53	0.54	0.54
NZD/JPY	90.3	91.8	89.3	88.0	88.2	85.7	87.0	87.0
NZD/GBP	0.464	0.48	0.47	0.46	0.46	0.46	0.47	0.47
NZ\$ TWI	69.3	70.5	69.8	69.4	70.0	69.7	70.6	70.6
Interest Rates	Current	Dec-24	Mar-25	Jun-25	Sep-25	Dec-25	Mar-26	Jun-26
NZ OCR	4.75	4.25	4.00	3.50	3.50	3.50	3.50	3.50
NZ 90-day bill	4.45	4.23	3.73	3.65	3.65	3.65	3.65	3.65
NZ 2-yr swap	3.90	3.80	3.75	3.75	3.75	3.75	3.75	3.75
NZ 10-yr bond	4.67	4.75	5.00	5.10	5.10	5.20	5.20	5.20

Source: Bloomberg, ANZ Research

Forecast charts

Figure 1. Production GDP level (headline vs per capita)

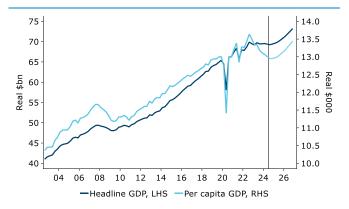


Figure 3. Contributions to GDP growth (detailed)

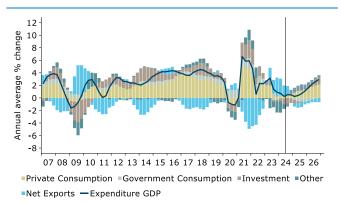


Figure 5. Real private consumption

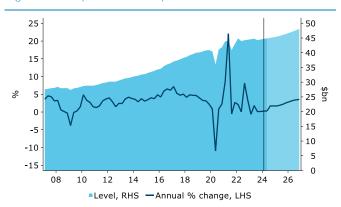
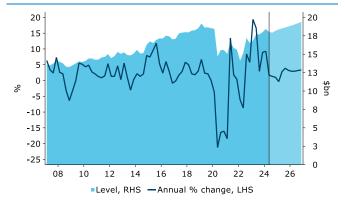


Figure 7. Real exports (goods and services)



Source: Stats NZ, Macrobond, ANZ Research

Figure 2. Production GDP growth

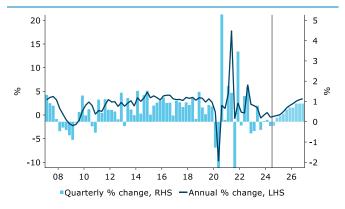


Figure 4. Real investment

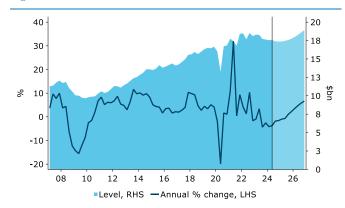
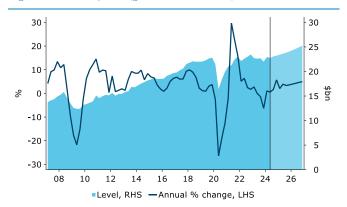


Figure 6. Real government consumption



Figure 8. Real imports (goods and services)



Forecast charts

Figure 9. Terms of trade

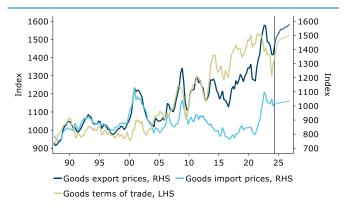


Figure 11. Output gap

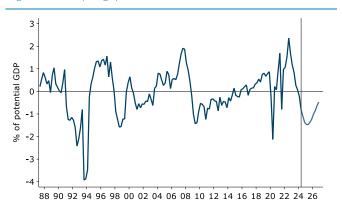


Figure 13. Annual migration

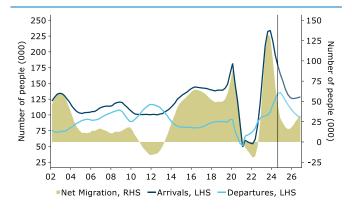
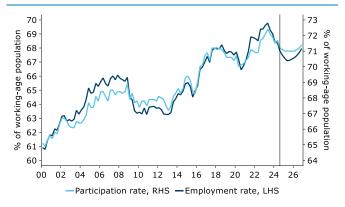


Figure 15. Participation and employment rate



Source: Stats NZ, REINZ, Macrobond, ANZ Research

Figure 10. Current account balance

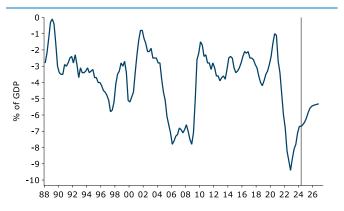


Figure 12. House prices (REINZ HPI)



Figure 14. Resident population

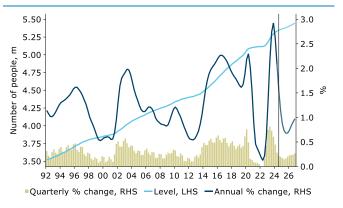


Figure 16. Employment



Figure 17. Unemployment rate decomposition

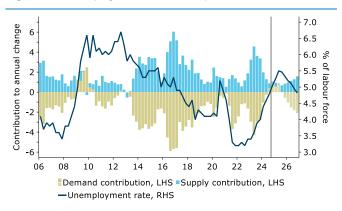


Figure 19. Inflation forecasts

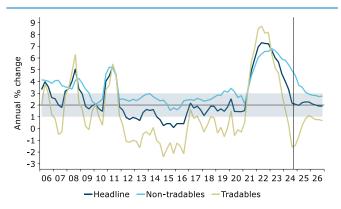


Figure 21. OCR and 90-day rate

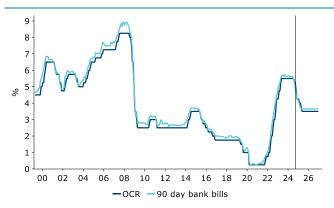


Figure 23. NZD against JPY and CNY, and TWI basis



Source: Stats NZ, Bloomberg, Macrobond, ANZ Research

Figure 18. Wages and labour costs

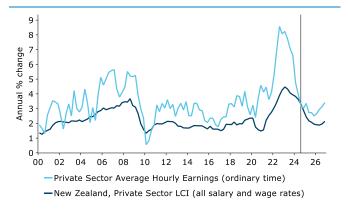


Figure 20. Headline inflation forecast decomposition

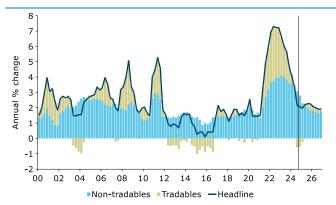
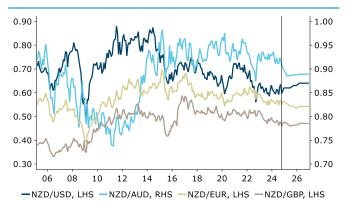


Figure 22. 2-year swap rate and 10-year bond yield



Figure 24. NZD against USD, AUD, EUR and GBP





Contact us

Meet the team

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



Sharon Zollner Chief Economist

Follow Sharon on Twitter @sharon zollner

Telephone: +64 9 357 4094 Email: sharon.zollner@anz.com 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



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 co-ordinator, economic developments, labour market dynamics, inflation, fiscal and monetary policy.

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



Henry Russell Economist

Macroeconomic forecasting, economic developments, GDP and activity dynamics 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 21 221 7438 Email: natalie.denne@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

Important notice

Last updated: 20 February 2024

The opinions and research contained in this document (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) general in nature and do not take into account your financial situation or goals.

This document may be restricted by law in certain jurisdictions. Recipients must 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 it 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 in it 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 and made on reasonable grounds on the date it was published, ANZ Group does not represent or warrant the accuracy or completeness of the information. 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.

This document may contain forward looking statements or opinions including statements regarding our intent, belief or current expectations regarding economic and market conditions, financial instruments and credit markets. Such statements are usually predictive in character, may not be accurate once the future becomes known and should not be relied upon when making investment decisions. Past performance is not a reliable indicator of future performance. ANZ does not accept any responsibility to inform you of any revisions to these forward-looking statements to reflect events or circumstances occurring after the date of 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. 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. 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.

Important notice

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

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

Macau. Click here to read the disclaimer for all jurisdictions in Mandarin. 澳门. 点击此处阅读所有司法管辖区的免责声明的中文版。

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

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 market, offer, sell or distribute any financial or investment products or services in Oman and no subscription to any securities, products or financial services may or will be consummated within Oman. Nothing contained in this document is intended to constitute Omani investment, legal, tax, accounting or other professional advice.

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

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

Qatar. This document has not been, and will not be:

- lodged or registered with, or reviewed or approved by, the Qatar Central Bank (QCB), the Qatar Financial Centre (QFC) Authority, QFC Regulatory Authority or any other authority in the State of Qatar (Qatar); or
- authorised or licensed for distribution in Qatar, and the information contained in this document does not, and is not intended to, constitute a public offer or other invitation in respect of securities in Qatar or the QFC.

The financial products or services described in this document have not been, and will not be:

- registered with the QCB, QFC Authority, QFC Regulatory Authority or any other governmental authority in Qatar; or
- authorised or licensed for offering, marketing, issue or sale, directly or indirectly, in Qatar.

Accordingly, the financial products or services described in this document are not being, and will not be, offered, issued or sold in Qatar, and this document is not being, and will not be, distributed in Qatar. The offering, marketing, issue and sale of the financial products or services described in this document and distribution of this document is being made in, and is subject to the laws, regulations and rules of, jurisdictions outside of Qatar and the QFC. Recipients of this document must abide by this restriction and not distribute this document in breach of this restriction. This document is being sent/issued to a limited number of institutional and/or sophisticated investors (i) upon their request and confirmation that they understand the statements above; and (ii) on the condition that it will not be provided to any person other than the original recipient, and is not for general circulation and may not be reproduced or used for any other purpose.

Singapore. 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 and is exempted from holding a financial adviser's licence under Section 23(1)(a) of the Financial Advisers Act 2001 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.

Important notice

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

United States. Except where this is a FX-related document, this document is distributed in the United States by ANZ Securities, Inc. (ANZ SI) which is a member of the Financial Regulatory Authority (FINRA) (www.finra.org) and registered with the SEC. ANZSI's address is 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 9160 Fax: +1 212 801 9163). ANZSI accepts responsibility for its content. Information on any securities referred to in this document may be obtained from ANZSI upon request. This document or material is intended for institutional use only – not retail. If you are an institutional customer wishing to effect transactions in any securities referred to in this document you must contact ANZSI, not its affiliates. ANZSI is authorised as a broker-dealer only for institutional customers, not for US Persons (as "US person" is defined in Regulation S under the US Securities Act of 1933, as amended) who are individuals. If you have registered to use our website or have otherwise received this document and are a US Person who is an individual: to avoid loss, you should cease to use our website by unsubscribing or should notify the sender and you should not act on the contents of this document in any way. Non-U.S. analysts may not be associated persons of ANZSI and therefore may not be subject to FINRA Rule 2242 restrictions on communications with the subject company, public appearances and trading securities held by the analysts. Where this is a FX-related document, it is distributed in the United States by ANZ's New York Branch, which is also located at 277 Park Avenue, 31st Floor, New York, NY 10172, USA (Tel: +1 212 801 916 0 Fax: +1 212 801 9163).

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

about the extent of our regulation by the PRA are available from us on request.