# WEEKLY ECONOMIC COMMENTARY



02 Sep 2024 | Westpac Economics Team | westpac.co.nz/economics | economics@westpac.co.nz

### **Bounce-back watch**

Financial conditions have eased significantly in the last two months. The weakness in activity data over the May and June period that culminated in a sharp turn to the dovish side from the RBNZ in July and August has been the driver. Short term wholesale swap rates are down around 100bps which has seen mortgage rates fall 50-100bps. In the case of mortgage rates, these are now at levels not seen since late 2022/early 2023. Forward starting wholesale borrowing rates now sit as low as 3.25% – levels not seen since late 2021.

This easing in financial conditions naturally raises the question of how consumers and businesses will react. We have two possible hypotheses for why activity took such a dive in the middle of the year. The first is that it was a natural reflection of the lags from the tightening cycle that concluded in May 2023 and the "peak transmission" of tight monetary conditions on the economy. The second is the weakness stemmed from pessimism among households and businesses that interest rate relief wouldn't be coming for a while and that adjustment would be required to navigate a prolonged period of tight conditions.

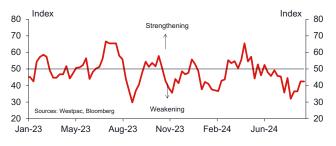
The response to the easing in conditions should tell us something about which hypothesis is most accurate. The RBNZ recognized this when they pointed to the importance of the path of short term "forward looking" indicators in guiding the future path of interest rates. If conditions are just very tight, then the economic response should be modest until a significant easing in actual interest rates occurs. If recent trends are a function of pessimism on when relief will arrive then we should see activity indicators revert to levels closer to where they were earlier in the year.

Last week we saw some initial improvement in the housing market activity, purchasing manager indexes and the "Truckometer" traffic indexes. This week's data continued the theme of rebound. The strongest result was in the ANZ's Business Outlook survey. While firms

### Key views

	Last 3 months	Next 3 months	Next year
Global economy	<b>→</b>	<b>→</b>	7
NZ economy	N	<b>→</b>	7
Inflation	N	Ы	¥
2 year swap	•	<b>→</b>	7
10 year swap	•	<b>→</b>	7
NZD/USD	7	<b>→</b>	7
NZD/AUD	<b>→</b>	N	N

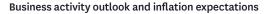
### Westpac New Zealand Data Pulse Index

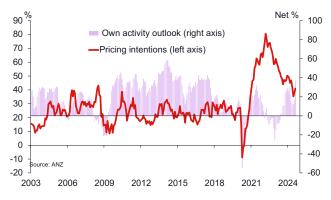


#### Key data and event outlook

NZ Selected price indexes, August
FOMC Meeting (Announced 19 Sep NZT)
NZ GDP, June quarter
RBA Monetary Policy Decision
NZIER QSBO survey, September quarter
RBNZ OCR Review
NZ Selected price indexes, September
NZ CPI, September quarter
RBA Monetary Policy Decision
RBNZ OCR Review & Monetary Policy Statement

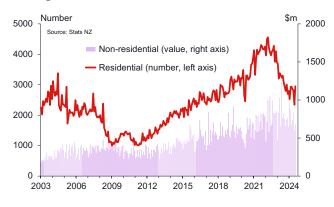
remained downbeat about recent activity levels, the survey showed a sharp lift in headline confidence to a decade-high while firm's expectations for their own activity a year from now rose to the most optimistic level since 2017. Firms' confidence was up across a range of measures, including hiring and investment intentions and expected profits. Pricing intentions indicators also ticked up a bit perhaps reflecting optimism that improved demand will help protect margins. To remove any doubt about the source of this newfound optimism, expectations about the availability of credit rose to their second highest since this question was added to the survey in 2009.





In other news, housing consents rebounded strongly from what was likely a holiday-affected June. Consents rose by 26% in seasonally adjusted terms, more than reversing the 17% fall in June. Taking an average of the two months, the trend in homebuilding remains soft – approvals have arguably flattened out in recent months, but at a level that's around 30% below the peak seen in 2022. The data remains consistent with still weak construction activity for a while yet. There is uncertainty about how long it will take for lower interest rates to begin to drive house prices higher, in turn bringing developers off the sidelines. We do see a marked pickup in mortgage applications volumes since early July, perhaps indicating we are in the early stages of that recovery.

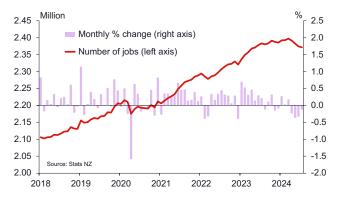
#### **Building consents**



Consumers appeared more confident in August. The ANZ Consumer Confidence Index rose 4pts in August after a 5pt rise in July, thus correcting the sharp fall seen from March to June. Consumers still look very cautious compared to businesses.

The most negative indicator seen this week (but still less weak than feared) were the tax-based jobs data for July. These fell 0.1%m/m – the fourth straight monthly decline – leaving filled jobs down 1.1% from their March 2024 peak. This is a weak trend in such a short period considering filled jobs fell by 5% over the much longer Global Financial Crisis period. These data suggest we will see weak employment growth in the Q3 HLFS and are consistent with our forecast of a rise in the unemployment rate from 4.6% to 5%.

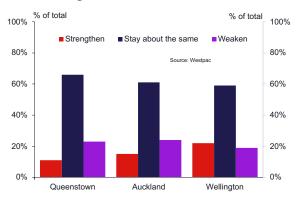




The overall assessment from last week's data is that we think the RBNZ will be generally relieved at the signs that the move to policy easing is having an impact. We suspect these sorts of trends, if sustained, reduce the risk of 50bps cuts coming at the remaining meetings in 2025.

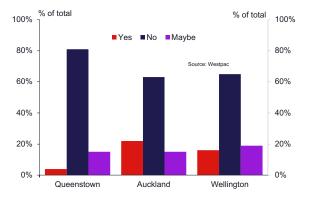
In the last few weeks, we have had the opportunity to present to large groups of clients in Queenstown, Wellington and Auckland on the economic outlook. Part of those presentations includes a survey of customers views on the economy. Customers generally remained downbeat on the near term direction of the economy and perceived that the weak growth seen in the last 3-6 months was likely to persist.

#### What will GDP growth do in the next 6 months



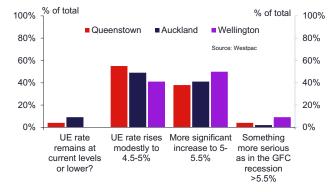
Customers also were pessimistic about medium term fiscal trends and didn't agree with the government's view that surplus would be achieved in 2028. We agree with that sentiment and suspect the December HYEFU will show 2029 becoming the new 2028 with reality lagging some time afterwards.

### Will the fiscal deficit be balanced by 2028?



Customers seem sure that a further rise in the unemployment rate is in train and are fairly evenly split on whether the year end level will be above or below 5%. Wellington based customers look notably more pessimistic on this score (understandably) whereas Queenstown customers are more optimistic (also reasonably).

### How far will the labour market adjust by year end?



Some very interesting insights came from a question posed on where annual inflation will bottom in coming years. Financial markets have priced in a front-loaded easing cycle with some risk that inflation undershoots 2% meaningfully. Customers on the other hand don't see those risks. We would agree with that sentiment given the RBNZ has commenced easing even while non-tradables inflation remains very high and sticky. Much will depend on how the RBNZ implements policy in 2025 should inflation only slowly fall towards 2%. It will be unfortunate if policy easing persists after inflation shows signs of bottoming as that would be a repeat of the same error in the post-Covid period where excessive easing created a boom-bust cycle.

#### What will be the low point for annual inflation in coming years?



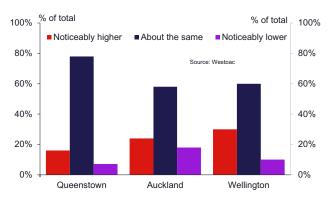
Customers seemed sure that at least one and perhaps two 25 bp cuts would come this year which is interesting given markets price more. Wellingtonians again look more eager for cuts.

### Where do you expect the OCR to end the year?



Customers seemed more unsure on the path for the NZD/ USD exchange rate with perhaps some modest bias to expecting some appreciation.

### Where do you think the NZD/USD will be in a year?



Kelly Eckhold, Chief Economist NZ

### Chart of the week.

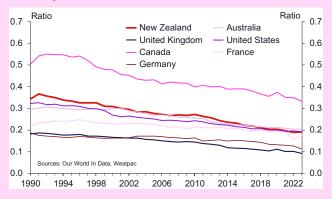
Much has been written recently on electricity shortages and the associated steep rise in wholesale prices. Total electricity generation in New Zealand has been stable for around 15 years as growth in renewable energy generation has been associated with a phase out of less climate friendly options. Economic growth has continued though as ongoing improvements in energy efficiency have occurred. Our Chart of the Week illustrates those improvements in efficiency among advanced economies. It's an open question on whether current generation capacity has sufficient resilience to ensure stable energy prices. The balance will be between further improvements in efficiency versus increased demand as the economy grows. The trend towards rising energy prices seems to suggest that we will need more generation capacity over time.

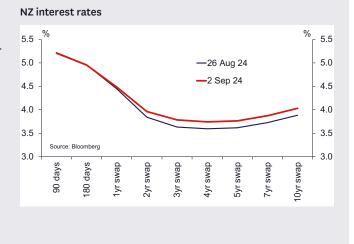
### Fixed versus floating for mortgages.

Softer economic conditions have prompted the RBNZ to begin reducing the OCR. We expect further 25bp cuts at the October and November reviews, with easing continuing at a more gradual pace through 2025. However, market interest rates have factored in a much faster and deeper easing cycle than we are expecting.

With a significant amount of OCR easing already factored into longer-term mortgage rates, this suggests that it's now more attractive to fix for longer periods than it has been for a while – perhaps even for terms as long as two to three years. Mortgage rates for shorter terms of up to a year are substantially higher now but are likely to fall in the coming months towards current longer term fixed rates and might allow participation in a deeper easing cycle than markets expect.

### Electricity use relative to GDP





### **Global wrap**

### North America.

Economic data continues to point to a soft landing for the US economy. The PCE deflator, the Fed's preferred inflation measure, rose 0.2% in July, in line with forecasts, with the annual rate holding steady at 2.5%. Personal spending rose 0.4% in July, which was on top of a consumer-led upward revision to June quarter GDP (from 2.8% to 3.0% annualised). So, while a rate cut is all but locked in for the Fed's 18-19 September meeting, there is little support for a larger 50bp move at this stage. This week's employment reports for August could be more telling, though, if payrolls growth falls short of market forecasts or the unemployment rate rises further from its current 4.3%.

Elsewhere, the Bank of Canada is expected to deliver its third rate cut this year at Wednesday night's policy meeting. However, its role as a bellwether for small commodity-exporting economies has diminished lately, with inflation in Canada having receded much further than it has in New Zealand or Australia.

### Asia-Pacific.

Australia's monthly CPI indicator saw the annual pace ease from 3.8% to 3.4% in July. Cost-of-living relief measures were crucial to this step-down, with electricity prices falling 6.4% in the month as state and federal rebates started to kick in; further state measures will see prices drop further in August. The data calendar has otherwise been dominated by the final flurry of quarterly indicators ahead of the release of June quarter GDP this Wednesday. We're expecting a 0.3% rise for the quarter, which would see annual growth slow to 1.0%. The domestic demand impulse (consumers, businesses and government) is expected to remain weak, with goods exports and tourism earnings providing most of the momentum.

### Europe.

Despite soft national level CPI releases, the pullback in the Eurozone CPI did not exceed consensus and the key, sticky, services measure ticked up from 4.0% yr to 4.2%yr. ECB officials kept open the door to a September rate cut, but with increased caution over the path thereafter. EU Budget concerns will rise in coming weeks, especially with France still yet to form a government.

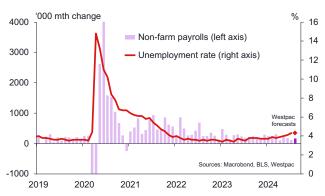
### Trading partner real GDP (calendar years)

	An	nual avera	ige % chai	nge
	2023	2024	2025	2026
Australia	2.0	1.3	2.2	3.1
China	5.2	5.0	4.9	4.7
United States	2.5	2.5	1.7	1.7
Japan	1.9	0.3	1.1	0.9
East Asia ex China	3.3	4.2	4.2	4.1
India	7.8	7.0	6.8	6.5
Euro Zone	0.4	0.6	1.5	1.3
United Kingdom	0.1	0.6	1.3	1.4
NZ trading partners	3.4	3.3	3.4	3.4
World	3.2	3.3	3.3	3.2

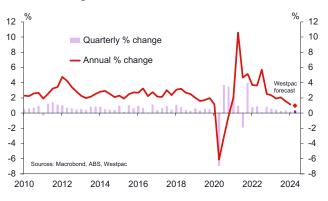
### Australian & US interest rate outlook

	30-Aug-24	Sep-24	Dec-24	Dec-25
Australia				
Cash	4.35	4.35	4.35	3.35
90 Day BBSW	4.39	4.42	4.42	3.50
3 Year Swap	3.60	3.75	3.70	3.50
3 Year Bond	3.56	3.70	3.65	3.35
10 Year Bond	3.96	4.00	3.90	4.05
10 Year Spread to US (bps)	10	15	15	5
US				
Fed Funds	5.375	5.125	4.625	3.375
US 10 Year Bond	3.86	3.85	3.75	4.00

### US non-farm payrolls and unemployment rate



### Australian GDP growth



### **Financial markets wrap**

### Interest rates.

NZ swap rates appear to have found a base after the very steep decline in the wake of the RBNZ's July pivot. The 2yr swap rate has opened this week at 3.96%, up from 3.87% a week earlier. Some better local data – notably a sharp lift in the forward-looking components of the ANZ's business confidence survey – contributed to the lift in yields. Yields have also drifted higher in the US.

The market is still pricing 30bps of policy easing at the RBNZ's October review and 40bps of easing at the November MPS. In total, the market prices a further 225bps of easing, taking the OCR to a terminal rate of around 3%. With so much of the easing cycle already priced in – indeed more than we expect will ultimately be delivered – it will require fresh negative news surprises in NZ or abroad for longer-tenor swap rates to fall.

The coming week's local diary is very light and so the direction of NZ swap rates is likely to be dictated by events offshore. On that score, the US ISM reports on Tuesday and Thursday respectively, followed by Friday's US payrolls report, will be the key focus. The Bank of Canada's policy review will also warrant attention.

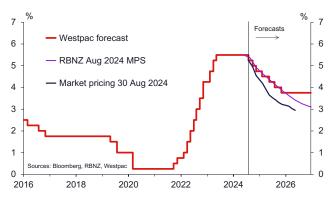
### Foreign exchange.

The US dollar lifted the past week, helped by a slightly firmer Q2 GDP report. Even so the NZD/USD was able to build modestly on its earlier break of key resistance at 0.6220, with sharply improved domestic business confidence giving the Kiwi a boost. The recent price action suggests that NZD/USD could see higher levels in the weeks ahead, perhaps moving towards the 0.6350 area.

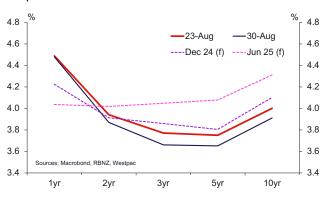
This week's domestic diary is unlikely offer the NZ dollar direction, although another firm outcome at Tuesday GDT dairy auction would be supportive at the margin. The US dollar will be sensitive to this week's key US data, especially Friday's payrolls report. The outcome could settle whether the Fed opts for a 25bp or 50bps rate cut at next month's policy meeting, as well as guide expectations for what the updated "dot plot" will signal for future meetings.

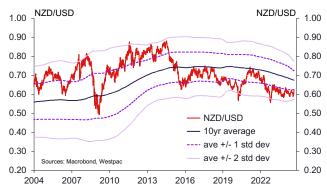
The Kiwi's outperformance saw the NZD/AUD trade above 0.9250 at one point mid last week – levels last seen back in June. Multi-month, we remain bearish, targeting 0.8900, given the contrasting stances of the RBA and RBNZ, and contrasting fiscal and current accounts. However, prospects for this week will depend on Wednesday's Australian Q2 GDP report and how that shapes expectations regarding future RBA policy action.

### Official Cash Rate forecasts



Swap rates





### NZD/USD vs rolling 10yr average

### FX recent developments

	F'cast				
	Spot	3mth range	5yr range	5yr avg	Dec-24
USD	0.625	0.586-0.628	0.555-0.743	0.645	0.61
AUD	0.924	0.897-0.929	0.873-0.992	0.930	0.91
EUR	0.566	0.542-0.573	0.517-0.637	0.581	0.55
GBP	0.476	0.456-0.484	0.456-0.535	0.503	0.47
JPY	91.3	86.1-98.6	61.3-98.6	80.3	91.5

### The week ahead

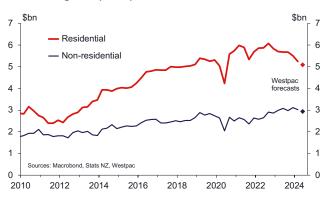
### Q2 Building work put in place

Sep 6, Last: -4.0%, Westpac f/c: -3.0%

Building activity fell 4% in the March quarter as residential construction continued to fall and non-residential building also took a leg down. We expect further declines in both areas in the June quarter with tough financial conditions and low business confidence weighing on new development.

The key area of uncertainty is non-residential construction which can be volatile on a quarter-toquarter basis. But smoothing through such quarterly noise, the direction for building activity is down.

### Real building work put in place



### **Economic and financial forecasts**

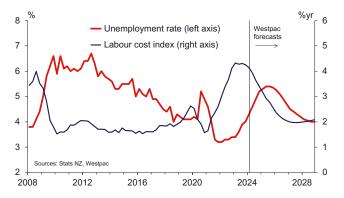
Economic indicators		Quarterly % change				Annual % change			
	Mar-24	Jun-24	Sep-24	Dec-24	2023	2024	2025	2026	
GDP (production)	0.2	-0.6	-0.2	0.4	0.6	-0.3	1.3	2.3	
Consumer price index	0.6	0.4	1.1	0.3	4.7	2.5	2.2	2.1	
Employment change	-0.3	0.4	-0.4	-0.2	2.9	-0.4	-0.1	1.5	
Unemployment rate	4.4	4.6	5.0	5.3	4.0	5.3	5.6	4.9	
Labour cost index (all sectors)	0.9	1.2	0.7	0.7	4.3	3.5	2.3	1.9	
Current account balance (% of GDP)	-6.8	-6.5	-6.0	-5.3	-6.9	-5.3	-4.0	-4.2	
Terms of trade	5.1	3.2	1.7	-0.5	-10.7	9.8	2.4	1.8	
House price index	0.4	-0.4	0.0	0.5	0.6	0.5	6.4	4.1	

Financial forecasts	End of quarter				End of year			
	Mar-24	Jun-24	Sep-24	Dec-24	2023	2024	2025	2026
OCR	5.50	5.50	5.25	4.75	5.50	4.75	3.75	3.75
90 day bank bill	5.66	5.63	5.05	4.75	5.65	4.75	3.85	3.85
2 year swap	4.91	5.01	3.80	3.90	5.28	3.90	4.00	4.00
5 year swap	4.40	4.53	3.65	3.80	4.85	3.80	4.25	4.25
10 year bond	4.69	4.74	4.20	4.20	5.09	4.20	4.40	4.35
TWI	71.6	71.4	70.4	70.8	70.8	70.8	70.6	69.9
NZD/USD	0.61	0.61	0.60	0.61	0.60	0.61	0.63	0.64
NZD/AUD	0.93	0.92	0.91	0.91	0.93	0.91	0.89	0.88
NZD/EUR	0.56	0.56	0.55	0.55	0.56	0.55	0.56	0.56
NZD/GBP	0.48	0.48	0.47	0.47	0.49	0.47	0.48	0.48

### GDP growth



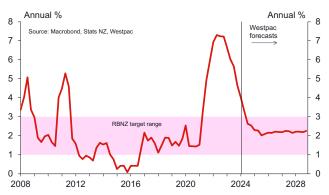
### Unemployment and wage growth



### House prices



### Consumer price inflation



### Data calendar

		Last	Market median	Westpac forecast	Risk/Comment
Mon 02					
Aus	Aug CoreLogic Home Value Index	0.5%	-	0.6%	Prices soft in Melb but still surging in Bris-Adel-Perth.
	Q2 Inventories	1.3%	-0.2%	-0.3%	Inventories set to detract from activity growth.
	Q2 Company Profits	-2.5%	-0.5%	-2.0%	Mining profits moderating as commodity prices ease.
	Jul Dwelling Approvals	-6.5%	2.5%	2.5%	Bumping around 12yr lows.
	Aug ANZ-Indeed Job Ads	-3.0%	-	-	Pointing to balance returning to labour market.
	Aug MI Inflation Gauge, %yr	2.8%	-	-	Provides a general view of risks.
Chn	Aug Caixin Manufacturing PMI	49.8	50.0	-	High-tech manufacturing strong, other sub-sectors soft
World	Aug S&P Global Manufacturing PMI	-	-	-	Final estimate for Japan, Europe, UK.
Tue 03					
NZ	Q2 Terms Of Trade	5.1%	2.7%	3.2%	Strong lift in meat and dairy export prices.
Aus	Q2 Current Account Balance, \$bn	-4.9	-5.5	-10.0	Deficit expected to widen as commodity prices ease.
US	Jul Construction Spending	-0.3%	0.1%	-	Weakness to persist due to costs and uncertainty.
	Aug ISM Manufacturing Index	46.8	48.1	-	Manufacturing weak and outlook a headwind for jobs.
Wed 04					
NZ	GlobalDairyTrade Auction	5.5%	_	_	Futures prices up further since strong late Aug auction.
	Aug ANZ Commodity Prices	-1.7%	-	1.0%	Strong lift in world dairy prices in August.
Aus	Q2 GDP	0.1%	0.2%	0.3%	Growth to remain sluggish, domestic demand weak.
Chn	Aug Caixin Services PMI	52.1	52.1	_	Consumers concerned over outlook.
US	Jul JOLTS Job Openings, 000s	8184	_	_	Back in line with pre-pandemic averages.
	Jul Factory Orders	-3.3%	4.7%	_	Ex transport, demand is weak.
	Federal Reserve Beige Book	_	_	_	An update on economic conditions across the regions.
Can	Bank of Canada Policy Decision	4.50%	4.25%	_	Easing cycle to continue through 2025.
World	Aug S&P Global Services PMI	_	_	_	Final estimate for Japan, Europe and UK.
Thu O5	5				1 2 1
NZ	Aug CoreLogic Home Value Index	-0.5%	-	-	Revamped index shows price falls in the last five months
Aus	Aug Trade Balance, \$bn	5.6	5.0	5.0	Goods surplus is narrowing as prices ease.
	RBA Governor Bullock	_	_	_	Speech to The Anika Foundation, Sydney 12:00pm AEST.
Eur	Jul Retail Sales	-0.3%	0.1%	_	Consumers to slowly regain their footing.
US	Initial Jobless Claims, 000s	231		_	Demure, for now.
	Aug ISM Non-Manufacturing Index	51.4	51.4	_	Consumers remain resilient.
Fri 06					
NZ	Q2 Building Work Put In Place	-4.0%	-2.7%	-3.0%	Residential and non-res work both continuing to soften.
Aus	Jul Housing Finance	1.3%	1.0%	1.0%	Upturn moving through a minor consolidation.
Jpn	Jul Household Spending	-1.4%	1.0%		Wages yet to support a pick up in spending.
-	Q2 GDP	0.3%	0.3%		Growth to return to trend in time.
Eur					
US	Aug Non-Farm Payrolls, 000s	114	165	160	Demand and supply now balanced; risks skewed down.
	Aug Unemployment Rate	4.3%	4.2%	4.3%	Unemployment rate to drift up over next 12 months.
	Aug Average Hourly Earnings	0.2%	0.3%	0.2%	Slack to weigh on wage growth.



Westpac Economics Team | westpac.co.nz/economics | economics@westpac.co.nz Kelly Eckhold, Chief Economist | +64 9 348 9382 | +64 21 786 758 | kelly.eckhold@westpac.co.nz Satish Ranchhod, Senior Economist | +64 9 336 5668 | +64 21 710 852 | satish.ranchhod@westpac.co.nz Darren Gibbs, Senior Economist | +64 9 367 3368 | +64 21 794 292 | darren.gibbs@westpac.co.nz Michael Gordon, Senior Economist | +64 9 336 5670 | +64 21 749 506 | michael.gordon@westpac.co.nz Paul Clark, Industry Economist | +64 9 336 5656 | +64 21 713 704 | paul.clark@westpac.co.nz Imre Speizer, Market Strategist | +64 9 336 9929 | +64 21 769 968 | imre.speizer@westpac.co.nz

Past performance is not a reliable indicator of future performance. The forecasts given in this document are predictive in character. Whilst every effort has been taken to ensure that the assumptions on which the forecasts are based are reasonable, the forecasts may be affected by incorrect assumptions or by known or unknown risks and uncertainties. The ultimate outcomes may differ substantially from these forecasts.

## **DISCLAIMER**

### Things you should know.

Westpac Institutional Bank is a division of Westpac Banking Corporation ABN 33 007 457 141 ('Westpac').

### Disclaimer.

This material contains general commentary, and market colour. The material does not constitute investment advice. Certain types of transactions, including those involving futures, options and high yield securities give rise to substantial risk and are not suitable for all investors. We recommend that you seek your own independent legal or financial advice before proceeding with any investment decision. This information has been prepared without taking account of your objectives, financial situation or needs. This material may contain material provided by third parties. While such material is published with the necessary permission none of Westpac or its related entities accepts any responsibility for the accuracy or completeness of any such material. Although we have made every effort to ensure the information is free from error, none of Westpac or its related entities warrants the accuracy, adequacy or completeness of the information, or otherwise endorses it in any way. Except where contrary to law, Westpac and its related entities intend by this notice to exclude liability for the information. The information is subject to change without notice and none of Westpac or its related entities is under any obligation to update the information or correct any inaccuracy which may become apparent at a later date. The information contained in this material does not constitute an offer, a solicitation of an offer, or an inducement to subscribe for, purchase or sell any financial instrument or to enter a legally binding contract. Past performance is not a reliable indicator of future performance. Whilst every effort has been taken to ensure that the assumptions on which the forecasts are based are reasonable, the forecasts may be affected by incorrect assumptions or by known or unknown risks and uncertainties. The ultimate outcomes may differ substantially from these forecasts.

### Country disclosures.

**Australia:** Westpac holds an Australian Financial Services Licence (No. 233714). This material is provided to you solely for your own use and in your capacity as a wholesale client of Westpac.

**New Zealand:** In New Zealand, Westpac Institutional Bank refers to the brand under which products and services are provided by either Westpac or Westpac New Zealand Limited ("WNZL"). Any product or service made available by WNZL does not represent an offer from Westpac or any of its subsidiaries (other than WNZL). Neither Westpac nor its other subsidiaries guarantee or otherwise support the performance of WNZL in respect of any such product. The current disclosure statements for the New Zealand branch of Westpac and WNZL can be obtained at the internet address www.westpac.co.nz.

China, Hong Kong, Singapore and India: This material has been prepared and issued for distribution in Singapore to institutional investors, accredited investors and expert investors (as defined in the applicable Singapore laws and regulations) only. Recipients in Singapore of this material should contact Westpac Singapore Branch in respect of any matters arising from, or in connection with, this material. Westpac Singapore Branch holds a wholesale banking licence and is subject to supervision by the Monetary Authority of Singapore. Westpac Hong Kong Branch holds a banking license and is subject to supervision by the Hong Kong Monetary Authority. Westpac Hong Kong branch also holds a license issued by the Hong Kong Securities and Futures Commission (SFC) for Type 1 and Type 4 regulated activities. This material is intended only to "professional investors" as defined in the Securities and Futures Ordinance and any rules made under that Ordinance. Westpac Shanghai and Beijing Branches hold banking licenses and are subject to supervision by the China Banking and Insurance Regulatory Commission (CBIRC). Westpac Mumbai Branch holds a banking license from Reserve Bank of India (RBI) and subject to regulation and supervision by the RBI.

UK: The contents of this communication, which have been prepared by and are the sole responsibility of Westpac Banking Corporation London and Westpac Europe Limited. Westpac (a) has its principal place of business in the United Kingdom at Camomile Court, 23 Camomile Street, London EC3A 7LL, and is registered at Cardiff in the UK (as Branch No. BR00106), and (b) authorised and regulated by the Australian Prudential Regulation Authority in Australia. Westpac is authorised in the United Kingdom by the Prudential Regulation Authority. Westpac is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from us on request. Westpac Europe Limited is a company registered in England (number 05660023) and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority.

This communication is being made only to and is directed at (a) persons who have professional experience in matters relating to investments who fall within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the "Order") or (b) high net worth entities, and other persons to whom it may otherwise lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (all such persons together being referred to as "relevant persons"). Any person who is not a relevant person should not act or rely on this communication or any of its contents. The investments to which this communication relates are only available to and any invitation, offer or agreement to subscribe, purchase or otherwise acquire such investments will be engaged in only with, relevant persons. Any person who is not a relevant person should not act or rely upon this communication or any of its contents. In the same way, the information contained in this communication is intended for "eligible counterparties" and "professional clients" as defined by the rules of the Financial Conduct Authority and is not intended for "retail clients". With this in mind, Westpac expressly prohibits you from passing on the information in this communication to any third party. In particular this communication and, in each case, any copies thereof may not be taken, transmitted or distributed, directly or indirectly into any restricted jurisdiction. This communication is made in compliance with the Market Abuse Regulation (Regulation(EU) 596/2014).

### Investment recommendations disclosure.

The material may contain investment recommendations, including information recommending an investment strategy. Reasonable steps have been taken to ensure that the material is presented in a clear, accurate and objective manner. Investment Recommendations for Financial Instruments covered by MAR are made in compliance with Article 20 MAR. Westpac does not apply MAR Investment Recommendation requirements to Spot Foreign Exchange which is out of scope for MAR.

Unless otherwise indicated, there are no planned updates to this Investment Recommendation at the time of publication. Westpac has no obligation to update, modify or amend this Investment Recommendation or to notify the recipients of this Investment Recommendation should any information, including opinion, forecast or estimate set out in this Investment Recommendation change or subsequently become inaccurate.

Westpac will from time to time dispose of and acquire financial instruments of companies covered in this Investment Recommendation as principal and act as a market maker or liquidity provider in such financial instruments.

Westpac does not have any proprietary positions in equity shares of issuers that are the subject of an investment recommendation.

Westpac may have provided investment banking services to the issuer in the course of the past 12 months.

Westpac does not permit any issuer to see or comment on any investment recommendation prior to its completion and distribution.

Individuals who produce investment recommendations are not permitted to undertake any transactions in any financial instruments or derivatives in relation to the issuers covered by the investment recommendations they produce.

Westpac has implemented policies and procedures, which are designed to ensure conflicts of interests are managed consistently and appropriately, and to treat clients fairly.

The following arrangements have been adopted for the avoidance and prevention of conflicts in interests associated with the provision of investment recommendations.

- (i) Chinese Wall/Cell arrangements;
- (ii) physical separation of various Business/Support Units;
- (iii) and well defined wall/cell crossing procedures;
- (iv) a "need to know" policy;
- documented and well defined procedures for dealing with conflicts of interest;
- (vi) steps by Compliance to ensure that the Chinese Wall/Cell arrangements remain effective and that such arrangements are adequately monitored.

U.S: Westpac operates in the United States of America as a federally licensed branch, regulated by the Office of the Comptroller of the Currency. Westpac is also registered with the US Commodity Futures Trading Commission ("CFTC") as a Swap Dealer, but is neither registered as, or affiliated with, a Futures Commission Merchant registered with the US CFTC. Westpac Capital Markets, LLC ('WCM'), a wholly-owned subsidiary of Westpac, is a broker-dealer registered under the U.S. Securities Exchange Act of 1934 ('the Exchange Act') and member of the Financial Industry Regulatory Authority ('FINRA'). This communication is provided for distribution to U.S. institutional investors in reliance on the exemption from registration provided by Rule 15a-6 under the Exchange Act and is not subject to all of the independence and disclosure standards applicable to debt research reports prepared for retail investors in the United States. WCM is the U.S. distributor of this communication and accepts responsibility for the contents of this communication. All disclaimers set out with respect to Westpac apply equally to WCM. If you would like to speak to someone regarding any security mentioned herein, please contact WCM on +1 212 389 1269. All disclaimers set out with respect to Westpac apply equally to WCM.

Investing in any non-U.S. securities or related financial instruments mentioned in this communication may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the SEC in the United States. Information on such non-U.S. securities or related financial instruments may be limited. Non-U.S. companies may not subject to audit and reporting standards and regulatory requirements comparable to those in effect in the United States. The value of any investment or income from any securities or related derivative instruments denominated in a currency other than U.S. dollars is subject to exchange rate fluctuations that may have a positive or adverse effect on the value of or income from such securities or related derivative instruments.

The author of this communication is employed by Westpac and is not registered or qualified as a research analyst, representative, or associated person under the rules of FINRA, any other U.S. selfregulatory organisation, or the laws, rules or regulations of any State. Unless otherwise specifically stated, the views expressed herein are solely those of the author and may differ from the information, views or analysis expressed by Westpac and/or its affiliates.



Westpac Banking Corporation.