Weekly Commentary 13 February 2017

One era ends, another begins?

The Reserve Bank has now formally shifted from easing mode to a neutral stance. It even signalled that the next OCR move is likely to be up – just not for quite some time. The Bank also confirmed that Governor Graeme Wheeler will not seek a second term, and that the search for the next Governor will begin after the election on 23 September.

The February *Monetary Policy Statement* was similar in tone to the previous one in November. The RBNZ remains upbeat on the outlook for New Zealand, while wary of economic and geopolitical factors offshore. The latter is clearly a reference to the Trump administration, with an escalation of trade protectionism being singled out as a major risk.

Locally, the economy continues to grow at a solid pace, though with no real sense that it's exceeding its potential to any significant degree. Record net inflows of migrants are adding to demand, but they're also adding to the economy's productive capacity, especially given that arrivals are skewed towards prime working-age groups. Unemployment is expected to continue to recede gradually, with a muted pickup in wage growth.

Inflation is now back within the RBNZ's target range of 1-3%, having spent the previous two years below that. Perhaps more importantly, the RBNZ's inflation expectations 'scare' has now passed. In early 2016, surveyed inflation expectations fell sharply in response to a second year of very low headline inflation. The RBNZ became concerned that expectations could become unanchored from the 2% target midpoint, and responded with a further round of OCR cuts. However, with headline inflation popping higher again, expectations have followed suit, rising to 1.92% for two years ahead in the latest survey.

There's still a challenge ahead in getting inflation to

settle around 2% – in fact, the RBNZ doesn't expect this to happen until mid-2019, six months later than in its November forecasts. The tradables component of the CPI remains very soft, and with the strengthening of the New Zealand dollar over the last year or so, there's likely to be fresh downward pressure on the prices of imported and import-competing goods and services.

The onus remains on a lift in domestically-generated inflation in order to meet the overall target. And that means that monetary policy will need to stay accommodative for quite a while longer, to spur growth in domestic spending and investment.

Nevertheless, the RBNZ can now see the prospect of interest rate hikes on the distant horizon. The November *MPS* projected an OCR of 1.7% along the entire forecast horizon, implying a small change of another rate cut, but otherwise a firmly on-hold stance for the foreseeable future. The February *MPS* projection was revised up to 1.8% for the most part, before rising slightly to 2.0% at the end of three years. We suspect this isn't meant to be read literally – rather, the RBNZ is signalling that the next move will be up, but that it's too far away to be precise about the timing.

Earlier in the week, the RBNZ confirmed the long-running speculation that Governor Wheeler will not seek a second term after his first five-year term expires on 25 September. Since this is just two days after the recently-announced

One era ends, another begins? cont.

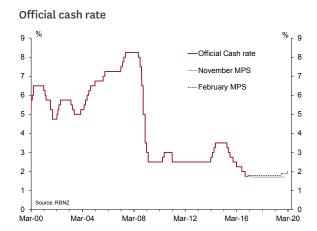
election date, the RBNZ Board has opted to avoid any potential conflicts by starting the search for a new Governor after the election. Grant Spencer, the current Assistant Governor and Head of Financial Stability, will serve as Acting Governor for six months after Mr Wheeler's term ends.

This announcement clears up one source of uncertainty for monetary policy, but another significant one remains. The Reserve Bank Act states that a new Policy Targets Agreement (PTA) must be negotiated and signed before a Governor's term begins. However, it also states that the PTA can be reviewed at any time, by mutual agreement between the Governor and the Minister of Finance.

In theory, it would have been possible to have this negotiation done and dusted before the election. But if the election then resulted in a change of government, it's likely that an incoming Minister of Finance would want to renegotiate the terms of the PTA yet again. So there's still the risk of a substantial overhaul of the RBNZ's targets, regardless of when the next Governor is appointed.

The approaching end of the Governor's term, and the appointment of an Acting Governor, has raised some questions about whether the RBNZ is effectively a 'lame duck', unable to make any commitments on monetary policy until next March. We don't think that's the case. For one thing, the RBNZ's monetary policy decisions are closely tied to the forecasting process, more so than in other central banks. There will be a great deal of continuity in the advice provided to the Governors over the next year or so.

If there were already a clear course of action on interest



rates, we have no doubt that an Acting Governor would carry through with it. This was certainly the case in 2002. Governor Don Brash had already hiked the OCR twice and signalled more to come before he resigned; Acting Governor Rod Carr delivered two more hikes during his fivemonth tenure.

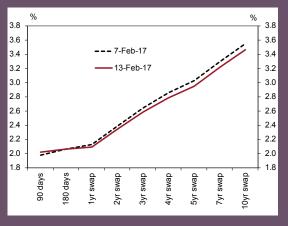
But today's situation is different. The case for OCR hikes rests on whether there's a risk of inflation breaching the top of the target range if the RBNZ doesn't take action. Instead, the RBNZ's forecasts point to inflation lurking in the lower half of the band for some time – and that's even if the OCR remains at its current level for the next two years. Unless the inflation picture changes dramatically, leaving the OCR on hold is the best course of action.

Fixed vs Floating for mortgages

For borrowers with a deposit of 20% or more, the best value lies in the two-year rate or shorter terms. Threeto five-year rates seem high relative to where we think short-term rates are going to go over that time. That said, these rates are most likely to be pressured higher by global market trends, so borrowers who prefer the security of a longer term still have a chance to lock in at historically quite low levels.

Floating mortgage rates usually work out to be more expensive for borrowers than short-term fixed rates such as the six-month rate. However, floating may still be the preferred option for those who require flexibility in their repayments.

NZ interest rates



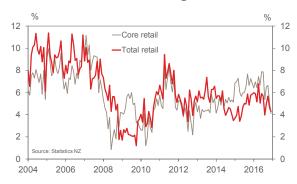
The week ahead

NZ Jan retail card spending

Feb 13, Last: -0.1, Westpac f/c: +0.8%, Mkt f/c: 0.6%

- December's modest fall in spending was particularly surprising. We had expected to see a rebound following earthquake-related disruptions in November. Weakness in spending mainly related to durables, and there was also a more modest reduction in spending on consumable items.
- A range of factors are continuing to support spending, including strong population growth. We expect that this will see spending levels recover in January.
- However, one of the big drivers of spending growth in recent years has been low interest rates and the flow-on to the housing market. Borrowing rates have risen in recent weeks and the housing market has cooled. While we don't expect a collapse in spending over the coming year, we may see a more gradual pace of growth over 2017.

Card transactions, annual % change

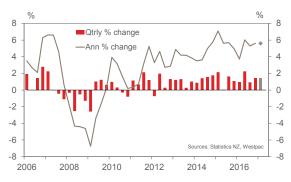


NZ Q4 real retail sales

Feb 17, Last: +0.9%, Westpac f/c: +1.4%, Mkt f/c: 1.0%

- Retail spending continued to push higher in the September quarter, with a 0.9% gain in overall sales volumes. That followed a large 2.2% gain in the June quarter, and left retail spending for the year up a solid 5.3%.
- Strength in retail volumes is expected to be sustained in the December quarter, with card spending data point to a 1.4% quarterly gain. Inflation, particularly for imported goods, has remained low, which is allowing households' incomes to stretch further. On top of this, firm population growth and tourist inflows, as well as low interest rates, have all been supporting spending.

Real retail sales



NZ Jan REINZ house prices and sales

Feb 13 (tentative date), Sales last: -1.3%, Prices last: 13.5%yr

- December's REINZ sales figures pointed to fairly steady conditions in the housing market. For the third month in a row, sales fell slightly in seasonally adjusted terms, while prices continued to edge higher, albeit at a slower pace than in the first half of 2016.
- While house price growth has eased off in Auckland, it's picked up in other regions.
- Mortgage rates have been creeping higher since November. We think that this could have a more meaningful impact on house prices than last year's tightening in loan-to-value restrictions. We continue to expect that house price growth over 2017 will be much slower than in 2016.

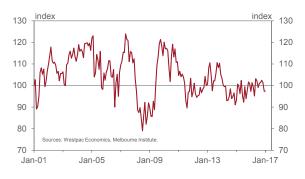


REINZ house prices and sales

Aus Feb Westpac-MI Consumer Sentiment Feb 15 Last: 97.4

- The Westpac-Melbourne Institute Consumer Sentiment Index was largely unchanged at 97.4 in Jan vs 97.3 in Dec. After a gradual firming into 'cautiously optimistic' territory through most of last year, sentiment was knocked back to 'cautiously pessimistic' levels in Dec-Jan, as renewed concerns about the economic outlook combined with signs of increased pressure on family finances.
- The Feb survey is in the field over the week ended Feb 11. The RBA left rates on hold at its Feb meeting with commentary emphasising little change in the outlook. That may ease consumer concerns about the economy. Other factors that often influence confidence look to be fairly benign this month: the ASX down 1% in the month, giving back some of the 10% gain over the previous two months; but the AUD has edged up 1.4c US to be back near its Nov levels.

Consumer Sentiment Index



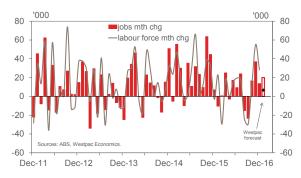
The week ahead

Aus Jan employment change

Feb 16 Last: 13.5k, WBC f/c: 20k, Mkt f/c: 10k, Range: -11k to 28k

- In Dec, the Labour Force survey reported a rise in total employment of 13.5k. Including revisions, total employment lifted 52.5k in the six months to Dec. Back in Nov the six month growth was 48.5k, Oct was 28.7k and the recent low was 9.1k in Sep. So while there is clear signal that the labour market has found a base, the subtrend print in Dec suggests that we are yet to experience a more robust recovery.
- Annual employment growth lifted a touch in Dec, from 0.7%yr to 0.8%yr, but remains well under what our Jobs Index is suggesting it should be – about 2%yr. With revisions, the six month annualised pace lifted only a little from 0.8%yr Nov to 0.9%yr in Dec.
- Our forecast for +20k in Jan will lift the annual pace to 1.0%yr still well under the leading indicators.

Labour force vs. total employment

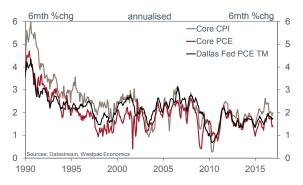


US Jan CPI

Feb 15, Last: 0.3%, WBC 0.3%

- US headline inflation has steadily accelerated in recent months as the previously deflationary influence of energy prices once again became a positive contributor to aggregate price growth.
- Annual headline inflation has now risen from a recent low of 0%yr at September 2015 to 2.1%yr in December. As a result, it has now come back into line with the core measure, which has remained a little above the FOMC's medium-term 2.0%yr target over the past twelve months. Apart from energy, key to the strength of inflation currently are rents; health costs; and higher minimum wage rates which have bee priced into the price of goods and services to limit the impact on profit margins.
- Headline prices are likely to rise 0.3% in January, with core inflation a little more modest at 0.2%. In coming months, headline and core inflation will settle near the 2.0%yr figure.

US core inflation near target

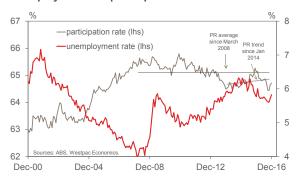


Aus Jan unemployment rate

Feb 196, Last: 5.8%, WBC f/c: 5.7%, Mkt f/c: 5.8%, Range: 5.7% to 5.9%

- Due to a steady decline in participation we have been cautious in interpreting the unemployment rate. Our own research suggests the decline has both cyclical (i.e. weak employment conditions leading to a decline in participation) and structural (i.e. a lump of retirees exiting the workforce) components to it. As such, we had expected participation to lift as the labour market improved and that has been the case of late.
- The 13.5k Dec increase in employment was reported with 0.1ppt gain in the unemployment rate to 5.8% due to a 0.06ppt lift in the participation rate. This lift in participation was in response to 28.2k gain in the labour force.
- Westpac's forecast for a 20k gain in employment in Jan is combined with a flat participation rate forecast, which after rounding, will see the unemployment rate drop to 5.7%.

Unemployment and participation rates

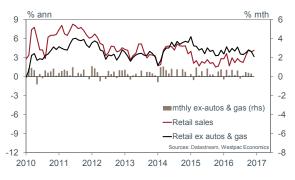


US Jan retail sales

Feb 15, Last: 0.6%, WBC 0.2%

- Retail sales have been a little disappointing of late, with momentum struggling to pick up. While energy prices and auto sales provide a positive boost in December, seeing headline sales rise 0.6%, sales growth excluding autos & gas were flat.
- Over the year, headline sales are up a modest 4.1%yr; core sales are weaker, having risen 3.1%yr. Consumers should be in a position to spend. Following Trump's election to the presidency, confidence is high. Jobs growth continues at pace and, while not strong, income growth is still supportive. Still it seems that US households are reluctant to increase their discretionary spending.
- Come January, gas prices are likely to remain supportive, but auto sales should pull back, seeing total sales rise 0.2%. Core sales growth should be better, but don't expect a strong gain, with growth of 0.4% likely.

US retail struggling for clear momentum



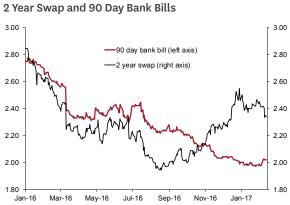
Data calendar

		Last		Westpac forecast	Risk/Comment
Mon 13					
NZ	Jan REINZ house sales	-1.3%	-	-	Due this week. Sales remain sluggish after the latest LVR restrictions.
	Jan REINZ house prices %yr	13.5%	-	-	House price gains have accelerated in many regions.
	Jan electronic card spending	-0.1%	0.5%	0.8%	Fuel prices up, as well as gains in other categories.
Tue 14					
NZ	Jan food prices	-0.8%	-	1.3%	Annual growth still tracking close to zero.
Aus	Jan NAB business survey	11	-	-	Conditions saw end of year flourish, +5pts to 11. Jan a partial reversal?
Chn	Jan CPI %yr	2.1%	2.4%		Holding steady though a slight drop in November.
	Jan PPI %yr	5.5%	6.6%		Producer prices strong, highest annual growth since 2011.
Eur	Dec industrial production	1.5%	-1.5%		Choppy month to month but annual growth lifting to a 2–3% pace.
	Q4 GDP (second estimate)	0.5%	0.5%		Flash estimate surprised to the upside.
	Feb ZEW survey of expectations	23.2	-	-	Confidence robust, supported by ECB and Trump.
Ger	Jan CPI (final)	1.9%	1.9%		End of energy disinflation has created a strong uptrend.
UK	Jan CPI	0.5%	-0.5%	-	Lower pound pushing annual rate close to BoE's target.
	Dec house price index, %yr	6.7%	-	-	Low supply and rates supporting prices.
US	Jan NFIB small business optimism	105.8	105.0	-	Soared in December following Trump's victory.
	Jan PPI	0.3%	0.3%	-	Food & energy positive in Dec; neutral over year.
	Fed Chair Yellen speaking	-	-	-	Before Senate banking panel.
	Fedspeak	-	-	-	Lacker in Delaware, Lockhart in Alabama, and Kaplan in Houston.
Can	Jan Teranet house prices	0.3%	-	-	Conditions very mixed across the nation.
Wed 15					
Aus	Feb Westpac-MI Consumer Sentiment	97.4	-	-	Shifted to 'cautiously pessimistic' in Dec–Jan.
	Jan new vehicle sales	0.3%	-	-0.5%	Soft start to the year for vehicle sales after 1.3% contraction in Q4.
	RBA Head Econ Analysis Heath speaking	-	-	-	Panel at ABE Forecasting Conf, Sydney 7.50am AEDT.
Eur	Dec trade balance €bn	22.7	23.3	-	US dollar trend will be key for trade outlook.
UK	Dec ILO unemployment rate	4.8%	4.8%	-	Trending down since late 2011.
US	Feb Fed Empire state index	6.5	7.0	-	Solid growth for manufacturing in NY state likely to continue.
	Jan CPI	0.3%	0.3%	0.2%	Headline and core measures converging.
	Jan retail sales	0.6%	0.1%	-	Consumer spending was disappointing in Q4.
	Jan industrial production	0.8%	flat	-	December saw fastest gain in 2 years.
	Feb NAHB housing market index	67	68	-	Builder confidence holding firm.
	Dec business inventories	0.7%	0.4%	-	To remain volatile through 2017.
	Fed Chair Yellen speaking	-	-	-	Speaking before House Financial Services Committee.
	Fedspeak	-	-	-	Rosengren to NY Association of Business Economics, Harker in Phily.
Thu 16					
NZ	Feb ANZ consumer confidence	128.7	-	-	Holding Q4's strong gains.
Aus	RBA Assist Governor Ellis speaking	-	-	-	Panel at Housing Researchers Conference, Melbourne 9.00am AEDT.
	Feb MI Inflation Expectations	4.3%y	-	4.3%yr	Jan was the highest read since May '14 so closely watching the trend.
	Jan employment	13.5k	10k	20k	Employment has firmed but annual growth sill soft – our 20k forecast .
	Jan unemployment rate	5.8%	5.8%	5.7%	lifts the annual pace to 1.0%yr with a small dip in unemployment.
US	Jan housing starts	11.3%	0.3%	-	Dec bounce offset most of Nov fall
	Jan building permits	-0.2%	0.2%	-	permits suggest future growth will be softer.
	Initial jobless claims	234k	-	-	At historic lows.
	Feb Phily Fed index	23.6	17.5	-	Surged in Jan, likely to pull back in Feb.
Fri 17					
NZ	Jan BusinessNZ PMI	54.5	-	-	Has lost some momentum, but still points to solid activity.
	Q4 real retail sales	0.9%	1.0%	1.4%	Core spending firm, vehicles spending up.
Eur	Dec current account, €b	36.1	-	-	Surplus hit an all time high in November.
UK	Jan retail sales	-1.9%	0.0%	-	Spending growth has been resilient; rising prices will be a headwind.
	Jan leading index				Suggests growth to remain at or near trend.

New Zealand forecasts

Economic Forecasts		March years				Calendar years				
% change	2015	2016	2017f	2018f	2014	2015	2016f	2017f		
GDP (Production) ann avg	3.4	2.4	3.4	3.3	3.4	2.5	3.3	3.3		
Employment	3.2	2.0	4.9	2.0	3.6	1.4	5.8	2.1		
Unemployment Rate % s.a.	5.4	5.2	4.4	4.2	5.5	4.9	5.2	4.3		
CPI	0.3	0.4	1.6	1.2	0.8	0.1	1.3	1.2		
Current Account Balance % of GDP	-3.5	-3.1	-2.7	-2.7	-3.2	-3.4	-2.7	-2.6		

Financial Forecasts	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18
Cash	1.75	1.75	1.75	1.75	1.75	1.75
90 Day bill	2.00	2.00	2.00	2.00	2.00	2.00
2 Year Swap	2.40	2.50	2.50	2.50	2.50	2.50
5 Year Swap	3.00	3.15	3.25	3.30	3.35	3.40
10 Year Bond	3.30	3.45	3.50	3.60	3.65	3.75
NZD/USD	0.71	0.70	0.68	0.67	0.65	0.66
NZD/AUD	0.96	0.95	0.93	0.93	0.93	0.94
NZD/JPY	82.4	82.6	80.2	80.4	79.3	81.8
NZD/EUR	0.68	0.68	0.67	0.67	0.65	0.67
NZD/GBP	0.58	0.57	0.56	0.55	0.54	0.55
TWI	78.6	78.0	76.4	75.9	74.4	76.1



NZ interest rates as at market open on Monday 13 February 2017

Current	Two weeks ago	One month ago
sh 1.75%		1.75%
1.84%	1.83%	1.85%
1.93%	1.91%	1.92%
2.02%	1.98%	1.98%
2.34%	2.44%	2.41%
2.95%	3.05%	2.96%
	1.75% 1.84% 1.93% 2.02% 2.34%	1.75% 1.75% 1.84% 1.83% 1.93% 1.91% 2.02% 1.98% 2.34% 2.44%

NZD/USD and NZD/AUD 0.76 1.02 1.00 0.74 0.98 0.72 0.96 0.70 0.94 0.92 0.68 0.90 0.66 NZD/USD (left axis) 88.0 0.64 -NZD/AUD (right axis) 0.86 0.84 0.62 Jan 16 Mar 16 May 16 Jul 16 Sep 16 Nov 16 Jan 17

NZ foreign currency mid-rates as at Monday 13 February 2017

Exchange Rates	Current	Two weeks ago	One month ago
NZD/USD	0.7198	0.7283	0.7108
NZD/EUR	0.6773	0.6809	0.6695
NZD/GBP	0.5768	0.5836	0.5916
NZD/JPY	81.74	82.73	81.31
NZD/AUD	0.9372	0.9646	0.9495
тwi	78.59	79.89	78.38

International forecasts

Economic Forecasts (Calendar Years)	2013	2014	2015	2016f	2017f	2018f
Australia						
Real GDP % yr	2.1	2.8	2.4	2.2	2.1	2.8
CPI inflation % annual	2.7	1.7	1.7	1.6	1.7	2.5
Unemployment %	5.8	6.2	5.8	5.7	5.4	5.3
Current Account % GDP	-3.4	-3.0	-4.8	-3.0	-1.7	-2.5
United States						
Real GDP %yr	1.5	2.4	2.6	1.6	2.1	2.4
Consumer Prices %yr	1.5	1.6	0.1	1.2	1.7	1.7
Unemployment Rate %	7.4	6.2	5.3	4.8	4.5	4.4
Current Account %GDP	-2.3	-2.3	-2.3	-2.6	-2.7	-2.8
Japan						
Real GDP %yr	1.4	0.0	0.5	0.6	0.6	0.7
Euroland						
Real GDP %yr	-0.3	0.9	1.6	1.6	1.4	1.3
United Kingdom						
Real GDP %yr	2.2	2.9	2.2	2.1	1.6	1.4
China						
Real GDP %yr	7.7	7.3	6.9	6.7	6.6	6.0
East Asia ex China						
Real GDP %yr	4.2	4.1	3.7	3.7	3.9	3.9
World						
Real GDP %yr	3.3	3.4	3.1	3.2	3.5	3.5
Forecasts finalised 16 December 2016						

Interest Rate Forecasts	Latest	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18
Australia								
Cash	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
90 Day Bill	1.77	1.80	1.80	1.80	1.80	1.80	1.80	1.80
10 Year Bond	2.70	2.95	2.95	3.00	3.05	3.15	3.25	3.40
International								
Fed Funds	0.75	0.625	0.875	0.875	1.125	1.125	1.375	1.375
US 10 Year Bond	2.41	2.55	2.65	2.75	2.85	3.00	3.10	3.30
ECB Deposit Rate	0.00	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40

Exchange Rate Forecasts	Latest	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18
AUD/USD	0.7646	0.74	0.74	0.73	0.72	0.70	0.70	0.68
USD/JPY	113.65	116	118	118	120	122	124	126
EUR/USD	1.0662	1.05	1.03	1.01	1.00	1.00	0.99	0.98
AUD/NZD	1.0628	1.04	1.06	1.07	1.08	1.07	1.06	1.05

Contact the Westpac economics team

Michael Gordon, Acting Chief Economist +64 9 336 5670 Satish Ranchhod, Senior Economist +64 9 336 5668 Sarah Drought, Economist +64 9 336 5696 Any questions email: economics@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 vield 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. For further information please refer to the Product Disclosure Statement (available from your Relationship Manager) for any product for which a Product Disclosure Statement is required, or applicable customer agreement. Download the Westpac NZ QFE Group Financial Advisers Act 2008 Disclosure Statement at 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 Regulatory Commission (CBRC). 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

Disclaimer continued

the UK (as Branch No. BRO0106), 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;
- (v) 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.