

INFLATION

**INFLATION SET TO PEAK IN LATE
2022 THEN MODERATE THROUGH
2023 AND INTO 2024**

Presented by Westpac Senior Economist, Justin Smirk

Westpac Institutional Bank

November 2022



1.8%

Housing, the main contributor (0.75ppt) even with the state governments' energy & cost of living rebates.

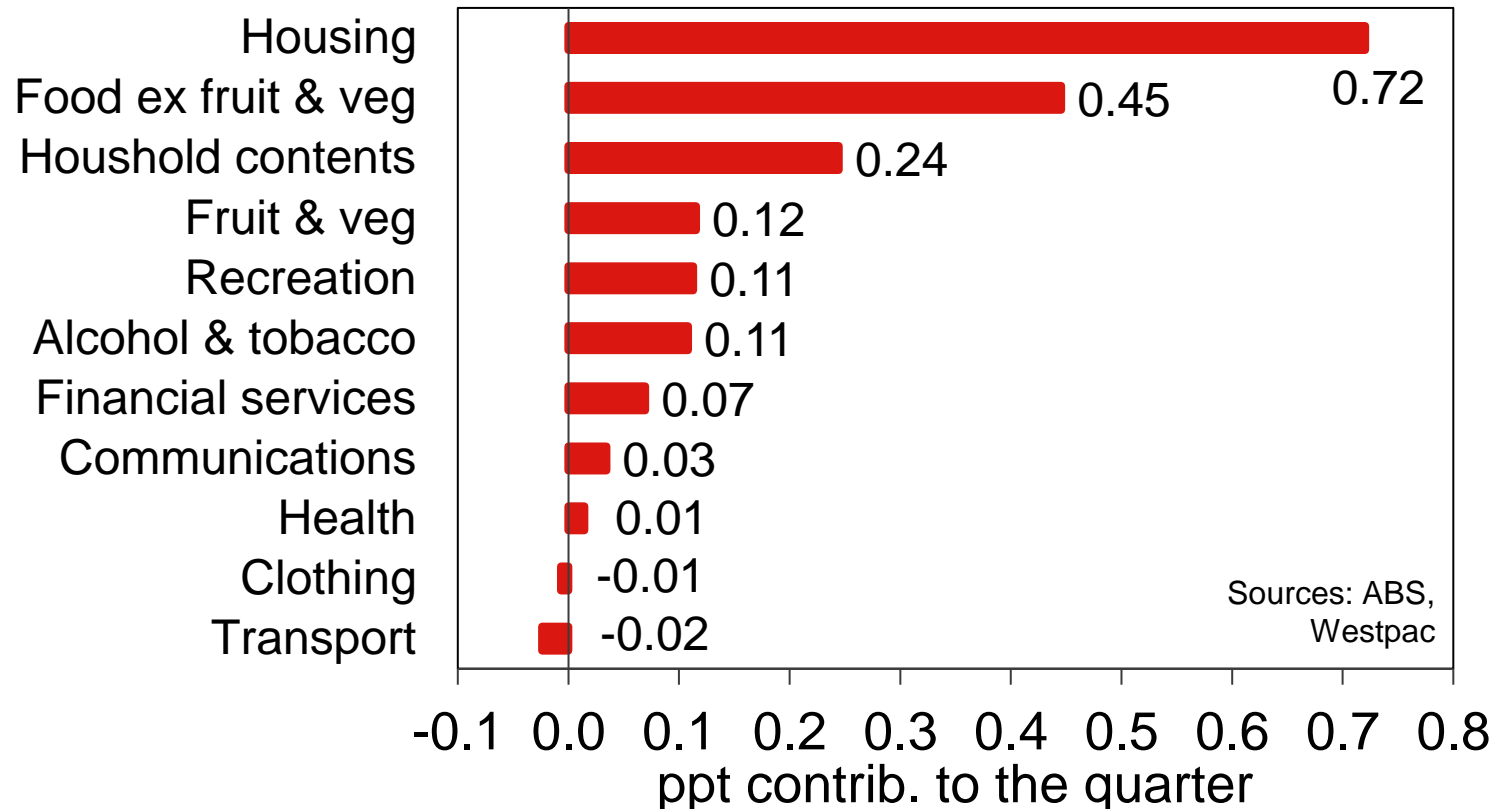
Broader price gains elsewhere boosted the outcome.

Breakdown of Q3 CPI to WBC forecast

CPI forecasts	Sep-22 Actual		Sep-22 Forecast	
Item	% qtr	contrib	% qtr	contrib
Food	3.2	0.56	2.3	0.39
of which, fruit & vegetables	4.5	0.11	4.9	0.12
Alcohol & tobacco	1.2	0.11	1.8	0.17
of which, Tobacco	0.9	0.04	1.9	0.07
Clothing & footwear	-0.2	-0.01	-0.7	-0.02
Housing	3.2	0.75	0.5	0.12
of which, Rents	1.3	0.09	1.0	0.07
of which, House purchases	3.7	0.31	4.0	0.33
of which, Utilities	4.8	0.22	-8.6	-0.39
H/hold contents & services	2.8	0.25	2.4	0.22
Health	0.3	0.02	0.3	0.02
of which, Pharmaceuticals	-1.9	-0.02	-0.9	-0.01
Transportation	-0.4	-0.04	-0.5	-0.05
of which , car prices	0.5	0.01	2.1	0.05
of which, auto fuel	-4.3	-0.15	-4.7	-0.17
Communication	1.4	0.03	-0.7	-0.02
Recreation	1.3	0.12	3.3	0.28
of which, audio visual & computing	0.6	0.01	0.7	0.01
of which, holiday travel	4.0	0.09	9.8	0.21
Education	0.0	0.00	0.0	0.00
Financial & insurance services	1.3	0.07	0.6	0.03
CPI: All groups	1.82	—	1.11	—
CPI: All groups % year	7.3	—	6.5	—

Contributions to 2022Q2 CPI 1.7%qtr forecast

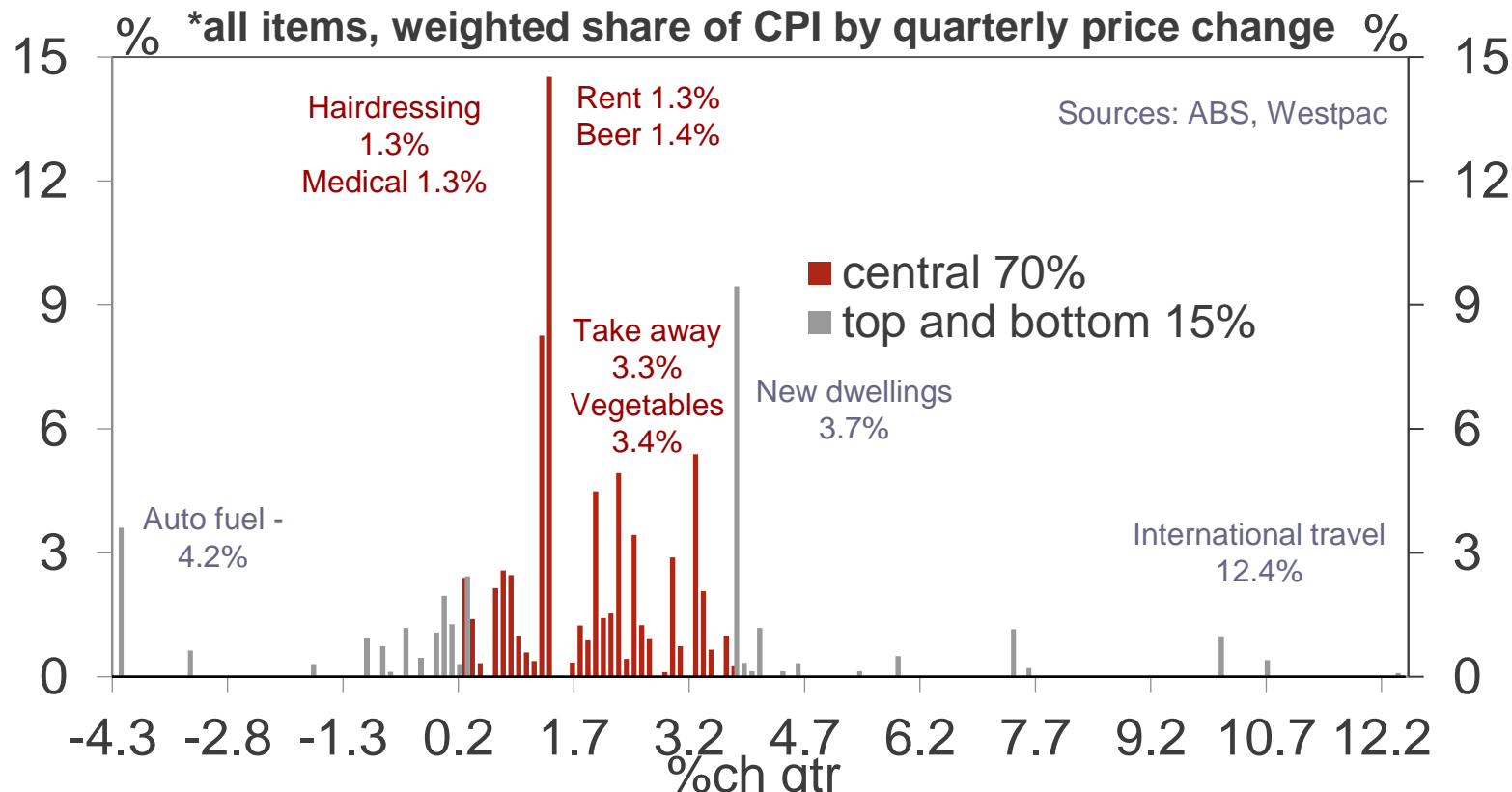
Housing again the critical component but food is not far behind



- The 1.8% September print was significantly greater Westpac's 1.1% forecast and higher than the market's 1.6%.
- The main difference between our forecast and the print was the +3.6% in electricity prices; Westpac had forecast a -17% fall due to the state government rebates. Not only did we overestimate the impact of the rebates we underestimate the 25% increase in Sydney power bills.
- The ABS estimates that excluding the rebates electricity prices would have risen 15.6% in the quarter.
- The annual pace lifted from 6.1% to 7.3%, the fastest pace since June 1900 (7.7%yr) and significantly faster than the 5.0%yr pace at the peak of the mining boom (September 2008).
- The most significant rises were for food (3.2% vs 2.3% WBC), dwellings (3.7% vs 4.0% WBC), utilities (4.8% vs WBC - 836%) and household contents & services (2.8% vs WBC 2.4%).

Broad based price pressure reflected in core

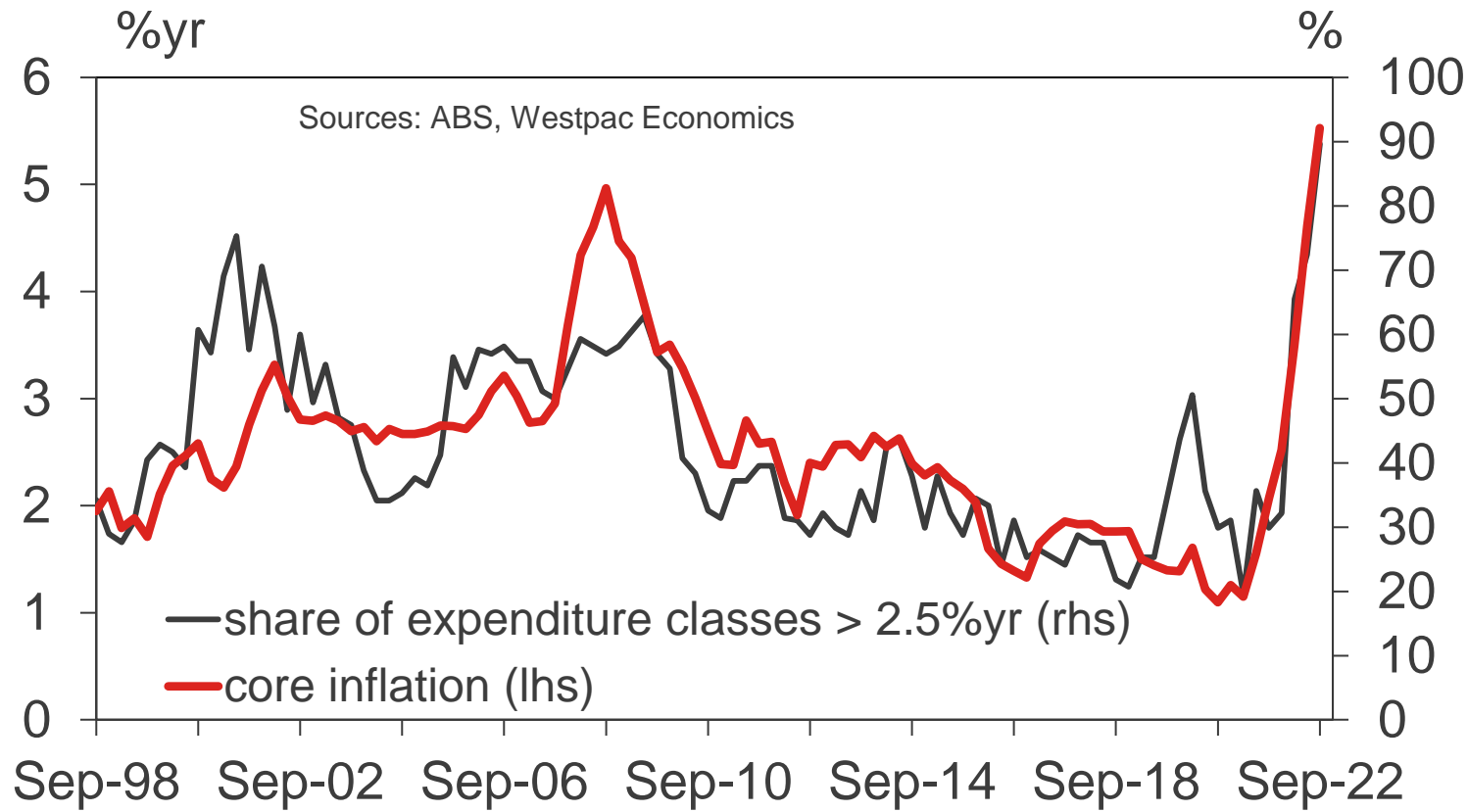
Distribution & trimming of seasonally adjusted %qtr changes



- A broad inflationary pulse was captured by a 1.8% gain in the Trimmed Mean; the largest quarterly increase since December 1990.
- The lower 15% trim starts at 0.3%. Trimmed are; auto fuel (-4.3%), games, toys & hobbies (-3.4%), womens' footwear (-1.7%), other rec. & sporting (-1.1%), lamb & goat (-0.9%), household textiles (-0.9%), mens' footwear (-0.7%), audio visual & comp. (-0.6%), deposit & loan (-0.3%), womens' garments (-0.1%), wine (-0.1%), pharmaceuticals (0.0%), books (0.1%), electrical appliances (0.2%), tertiary education (0.2%), and accessories (0.3%).
- The top 15% trim starts at 3.7%. Trimmed are; furniture (3.7%), new dwellings (3.7%), ice cream (3.8%), breakfast cereals (4.0%), carpets & floor coverings (4.1%), snacks (4.1%), spreads (4.4%), cheese (4.6%), eggs (5.3%), urban transport (5.9%), fruit (7.3%), oils & fat (7.6%), gas & fuels (10%), milk (10.7%) and international holidays (12.3%).

Inflationary pressures continue to spread

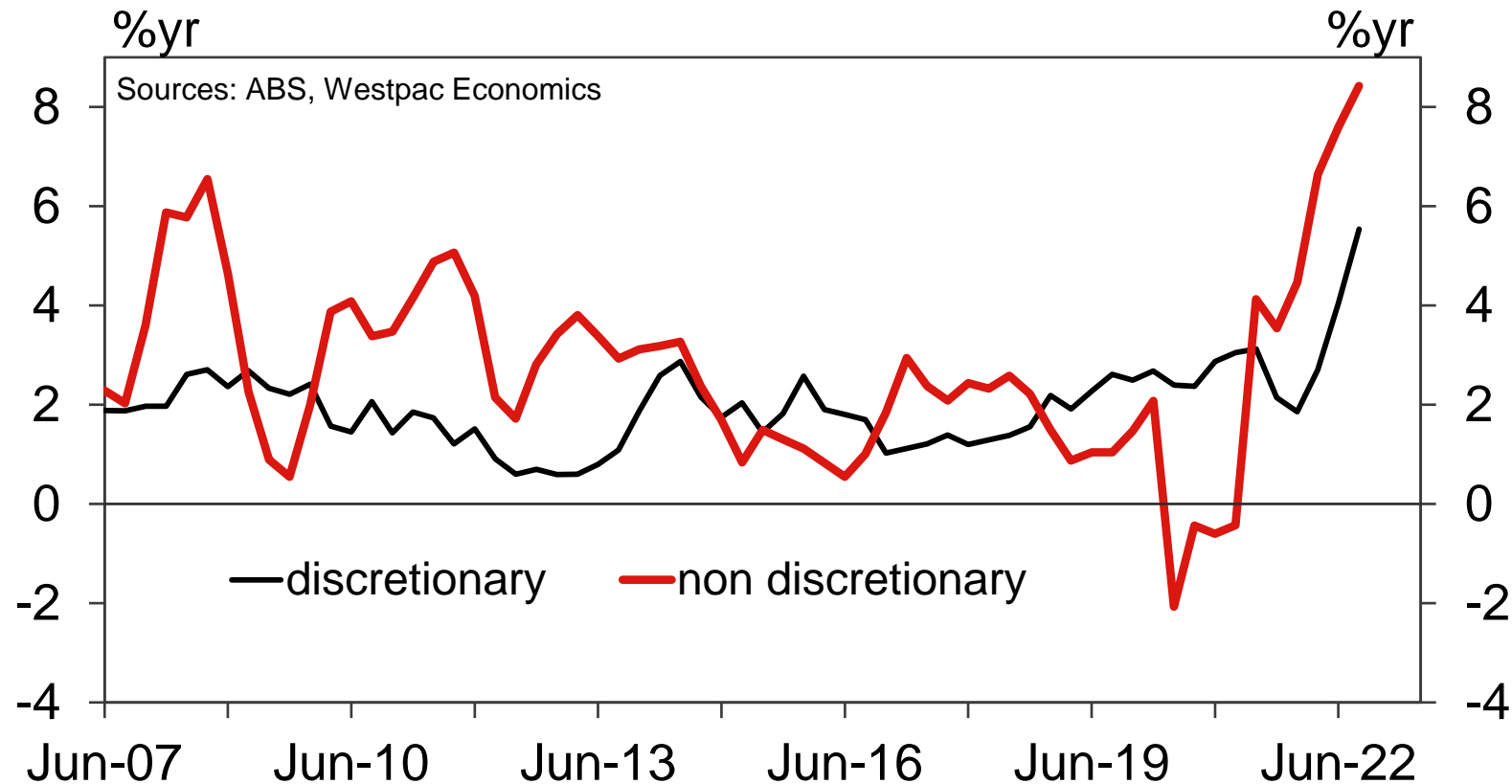
The number of sectors running faster than 2.5%yr in increasing



- Just how widespread the inflationary pulse is is further emphasised by the rise in the share of components running faster than 2.5%yr.
- From a low of 32.2% in December 2021 it lifted to 65.5% in March 2022, 72.4% in June then to 89.7% in September.
- This is the largest share since September 1989 when it was 90.9%.
- There is no doubt the most recent acceleration in inflation is not just an energy or housing issue but rather is based on broad spread of faster than usual price gains.

Non discretionary prices have led the charge

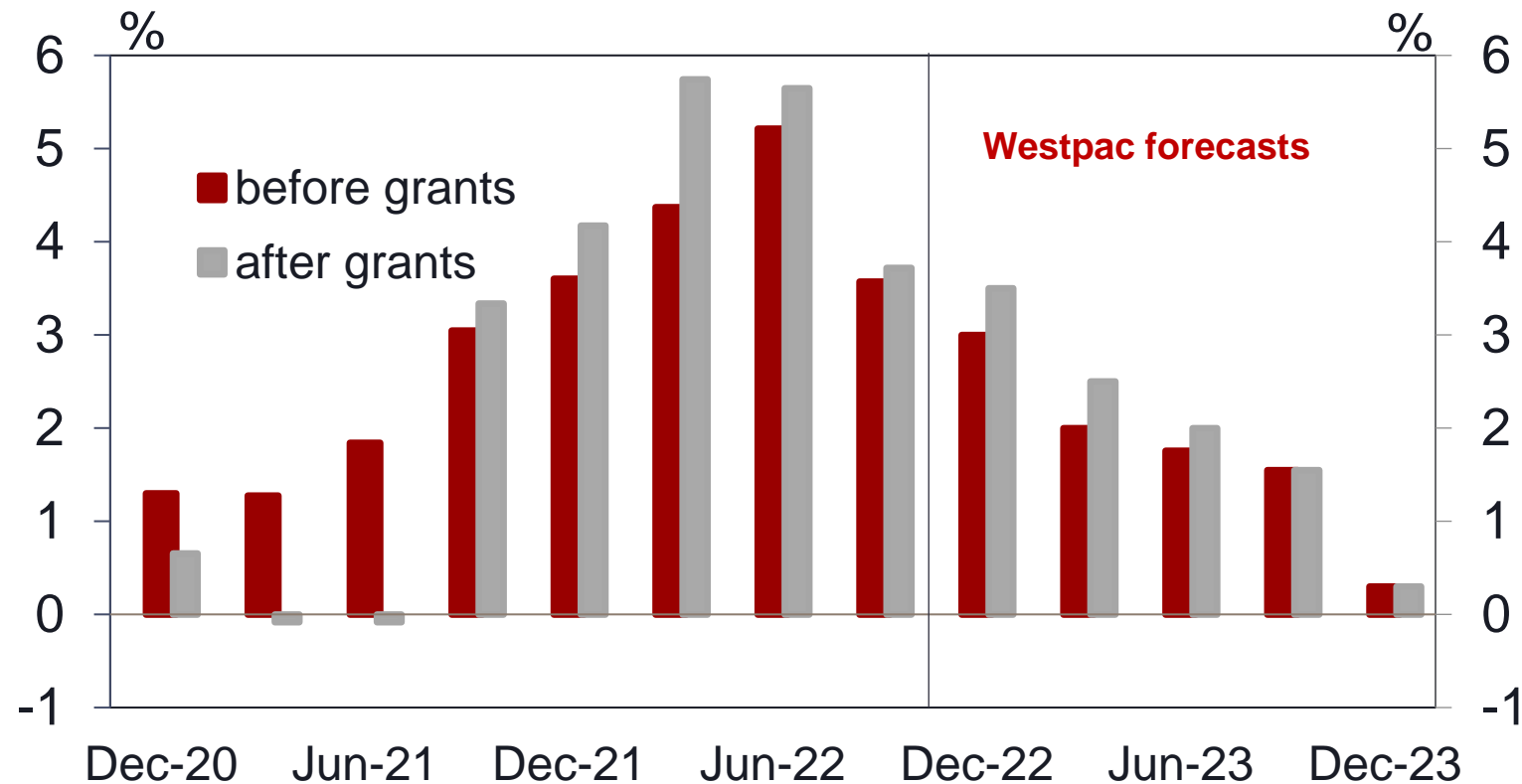
Discretionary inflation starting to catch up with non discretionary



- Non-discretionary inflation (8.4%yr) is running faster than the CPI (7.3%yr) & a bit less than twice the rate of discretionary (5.5%yr).
- The quarterly rate of increase for non-discretionary moderated from the 3.0% in March to a 1.8% in June then a 2.0% gain in September.
- But note that the September increase includes the 3.6% gain in electricity prices which were held back from a measured 15.6% gain by state energy rebates. Westpac is forecasting a 15% increase in power bills in December.
- Discretionary prices lifted 1.7%qtr in September, matching the June increase which was up from 0.8% gain in March. The June increase was the strongest rise in the history of the series which starts at September 2005.

Grants first suppressed then boosting dwellings

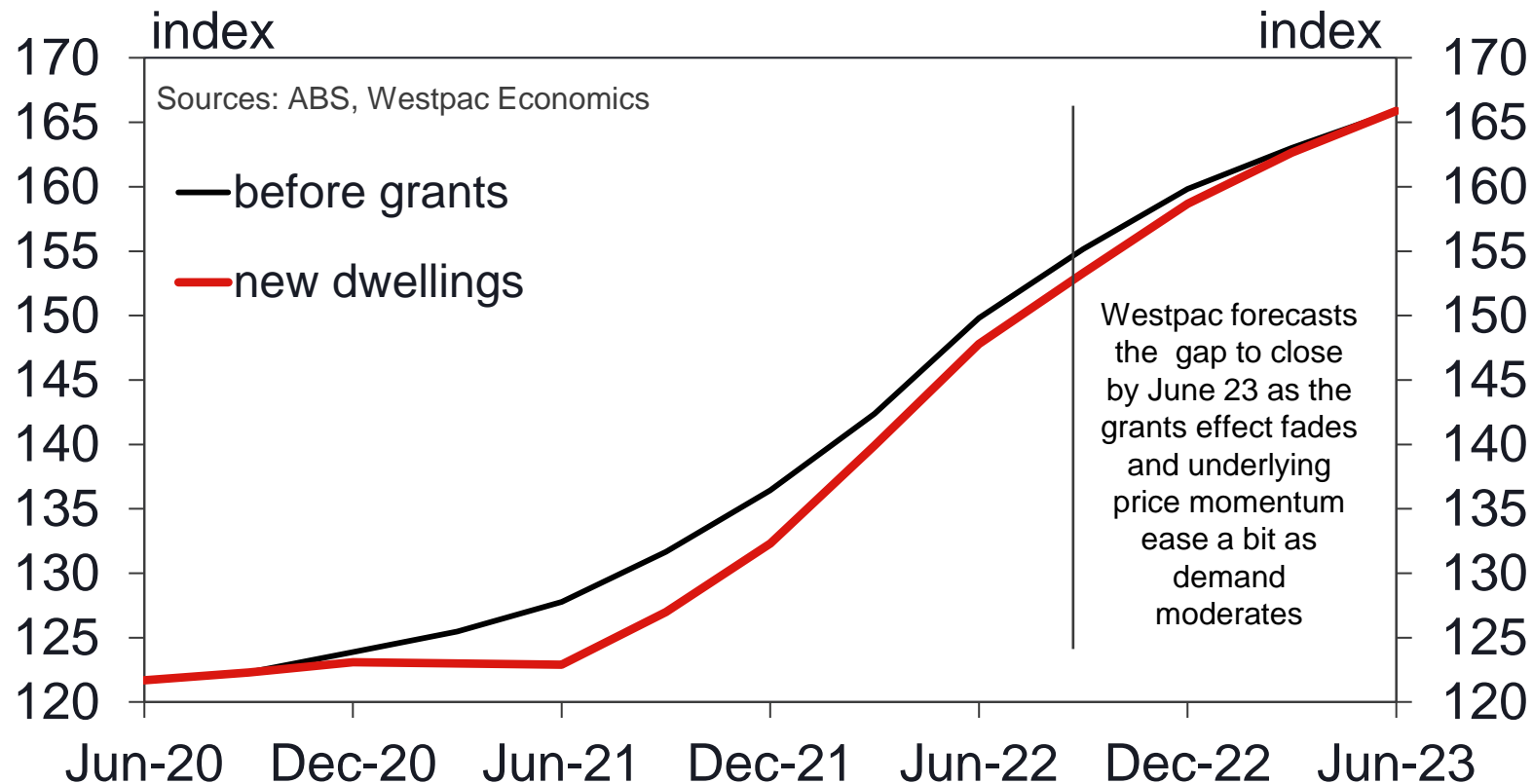
As the grants are used up dwelling prices jump higher



- Since June 2021 the unwinding of the grants have been a significant factor, but not the main story, behind the burst in dwelling price inflation.
- Grants have the effect of reducing out-of-pocket expenses for new dwelling purchases thus boosting inflation when they are no longer available.
- Fewer payments of construction grants compared to the previous quarter also contributed to the rise this quarter but by less than expected.
- In September, grants were still holding the level below that of measured prices.
- The unwinding of the grants was worth just 0.1ppt of the 3.7% rise in dwelling prices. As such, the level of dwelling prices are still 1.2% below the level of dwelling prices before grants.
- We expect this gap to close from December 2022 through to June 2023.

Expect grants to fade to zero in 2023

Risk is that underlying prices could rise faster than expected

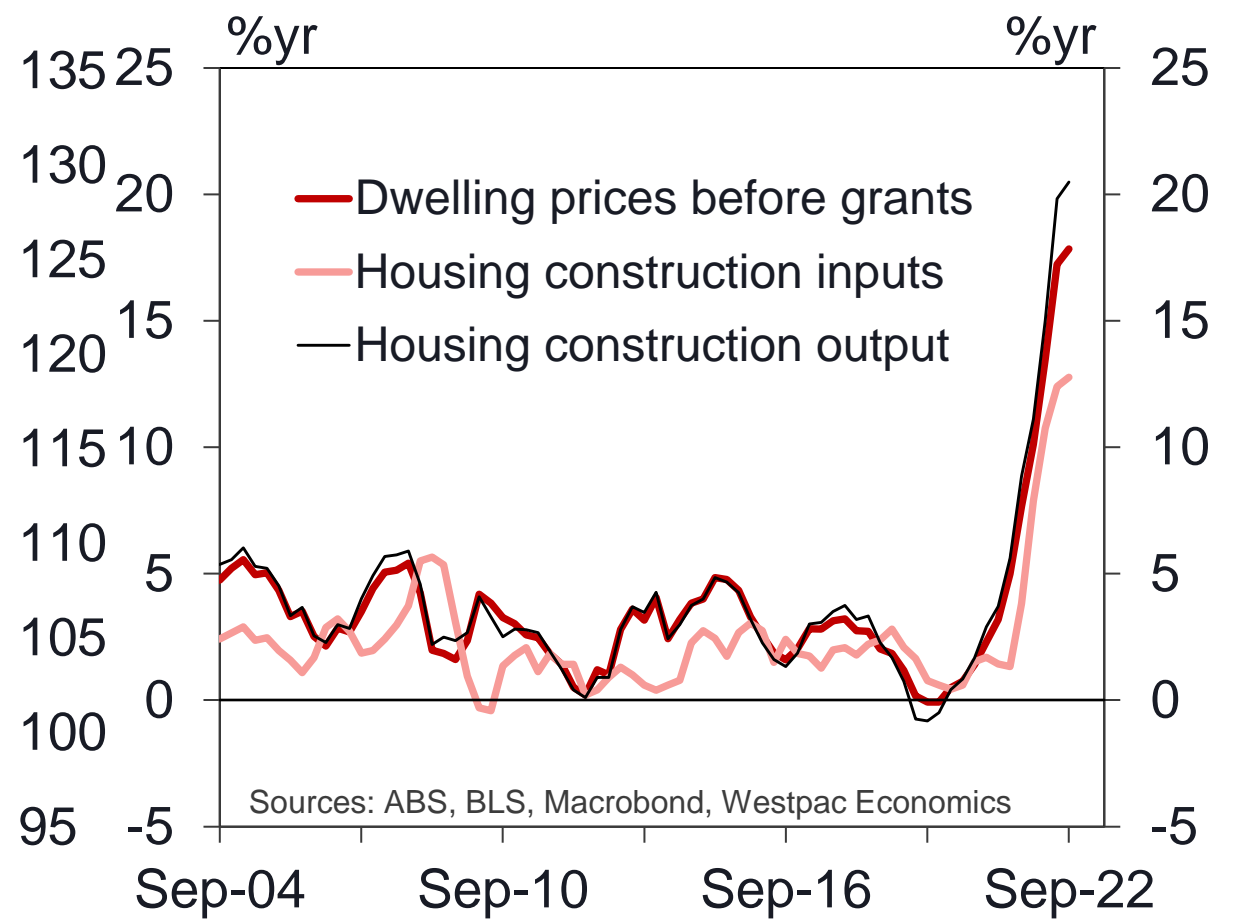
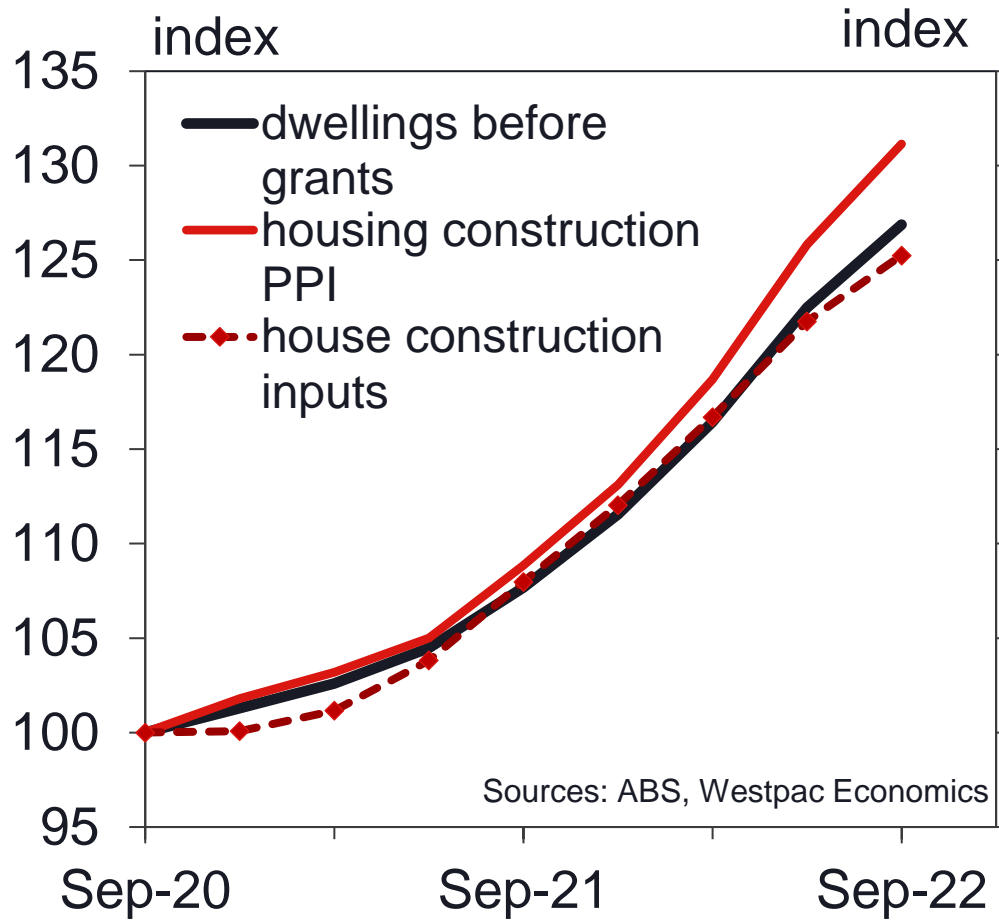


- The more important story in Q3 was that robust construction activity, and ongoing shortages of labour and materials, continued to drive new dwelling prices higher.
- The quarterly rate of growth eased somewhat, 3.7% compared to a record 5.7% in March and a comparable 5.6% in June, the annual pace hit a record high of 20.7%; new dwelling prices entered the CPI in June 1999.
- Dwelling prices excluding grants lifted 3.6% in September following a 5.6% increase in June, 4.4% in March, 3.6% in December 2021, 3.0% in September 2021 and a 1.8% rise in June 2021.
- Dwelling prices before grants are up 17.8%yr compared to a 20.7%yr increase in CPI new dwellings. dwellings purchase prices.

Construction output prices running ahead of input prices

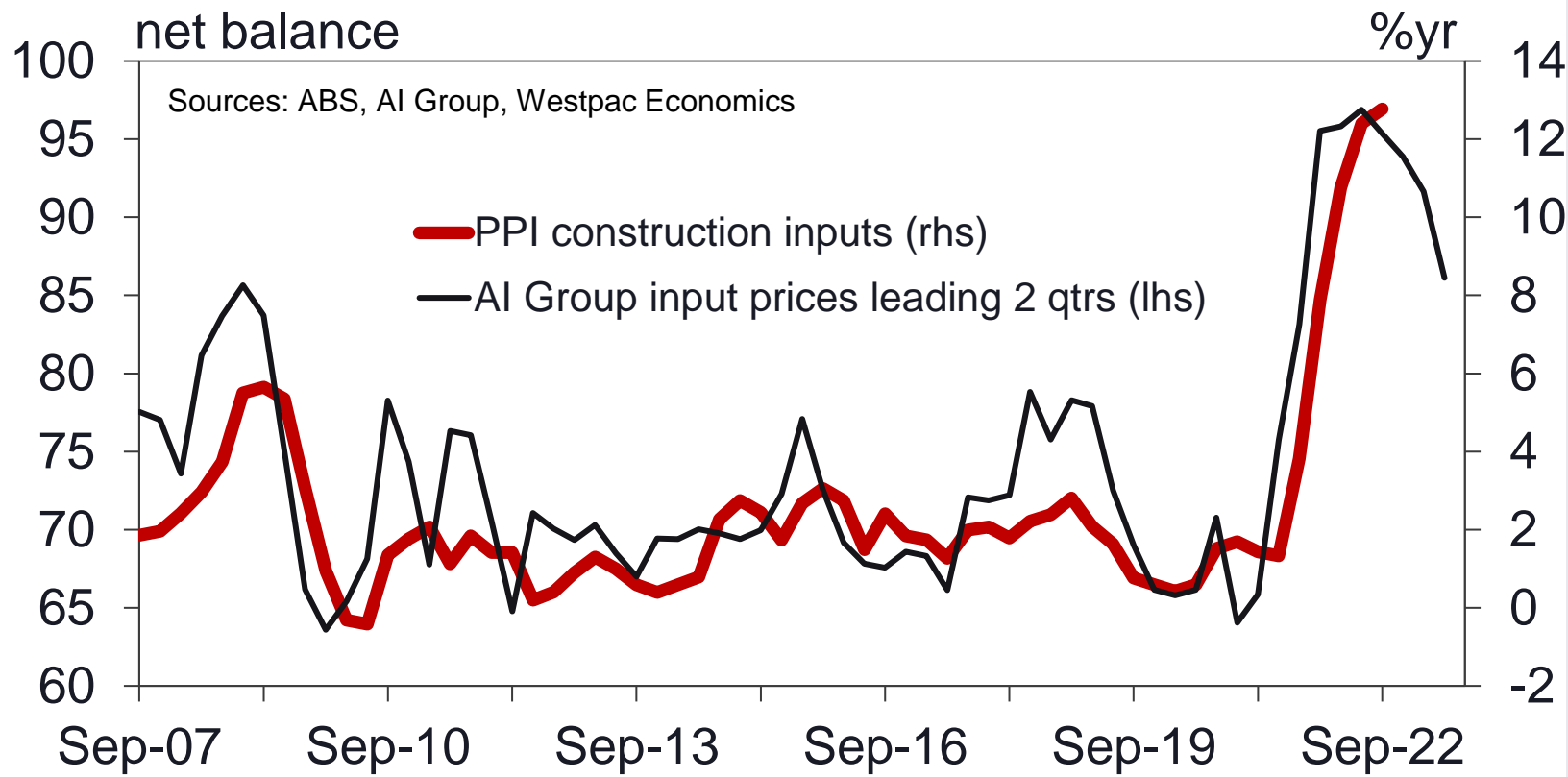
Margins appear to expand though 2021 & 2022

Construction cost & dwelling prices



Dwelling construction inflation peaking

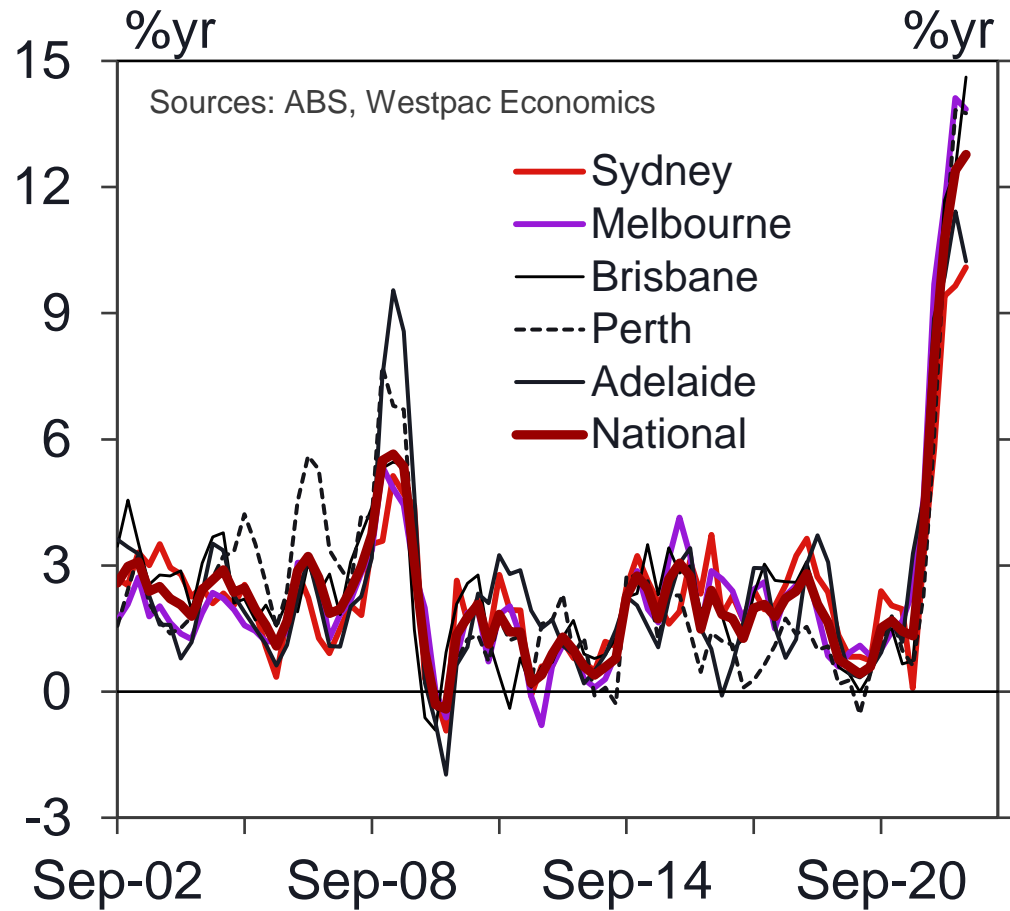
Business surveys suggest construction cost inflation has peaked



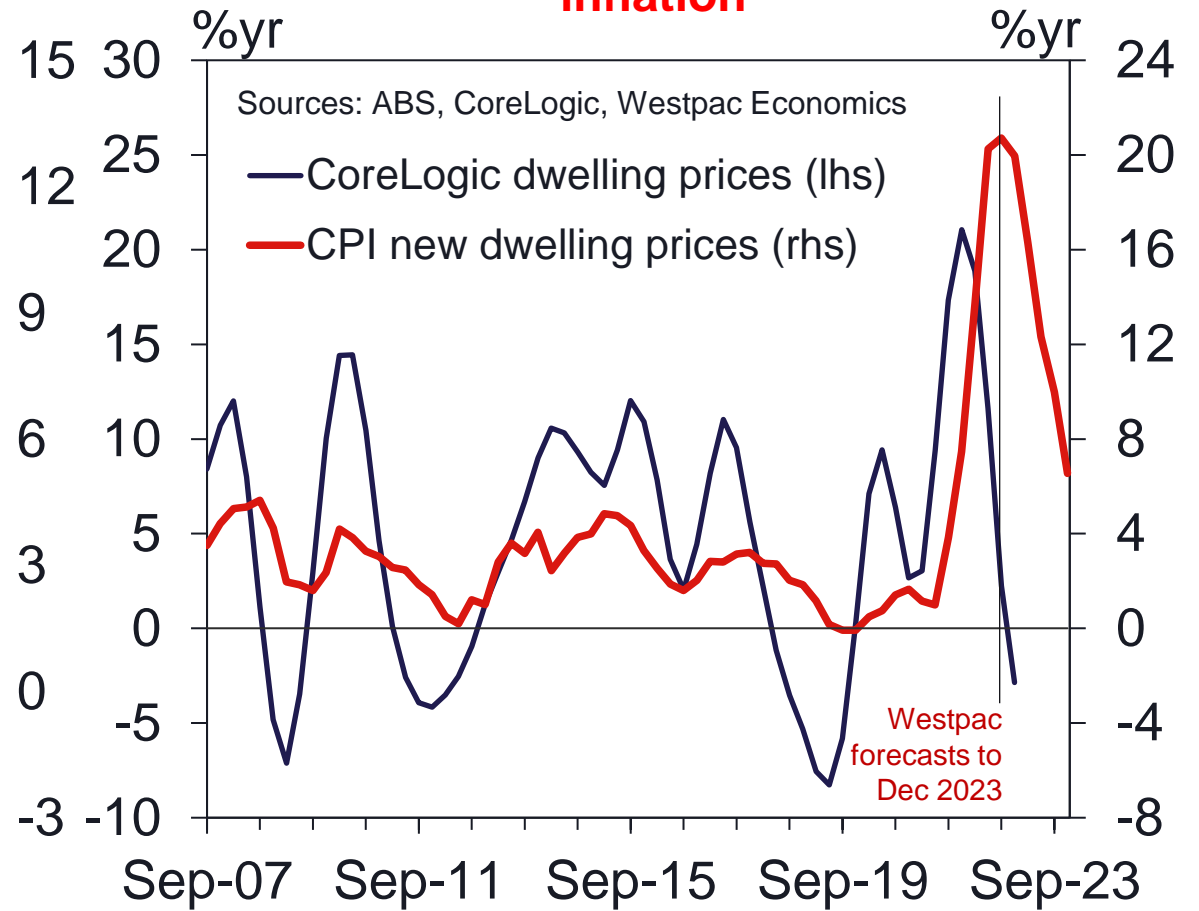
- Dwelling price inflation moderated as input costs shows signs of peaking and the demand boost from government grants fades.
- House Construction PPI lifted 4.2% in September, 6.0% in June and 4.9% in March to be up 20.5%yr. This series looks to be nearing a peak, it was 19.8%yr in June.
- House Construction Inputs look to be peaking at around a 13%yr, somewhat less than the rise in output prices. CPI dwelling prices (before rebates) have, over the past year, lagged housing construction output prices more than usual.
- We expect dwellings prices to moderate as we move through 2023 due to contracting home sales and falling established home prices, reflecting softer demand for new homes and compression of developer margins.

Construction costs peaking taking pressure off dwellings

Greater than usual city dispersion

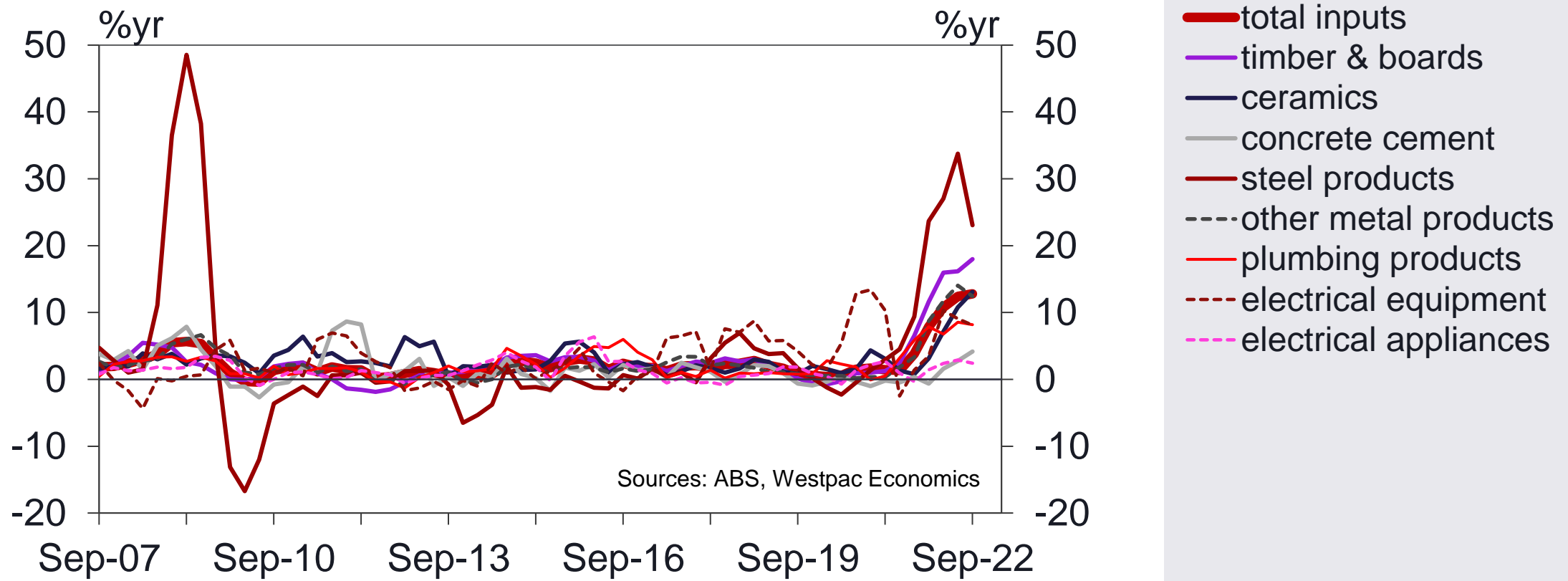


Falling house prices damper dwelling inflation



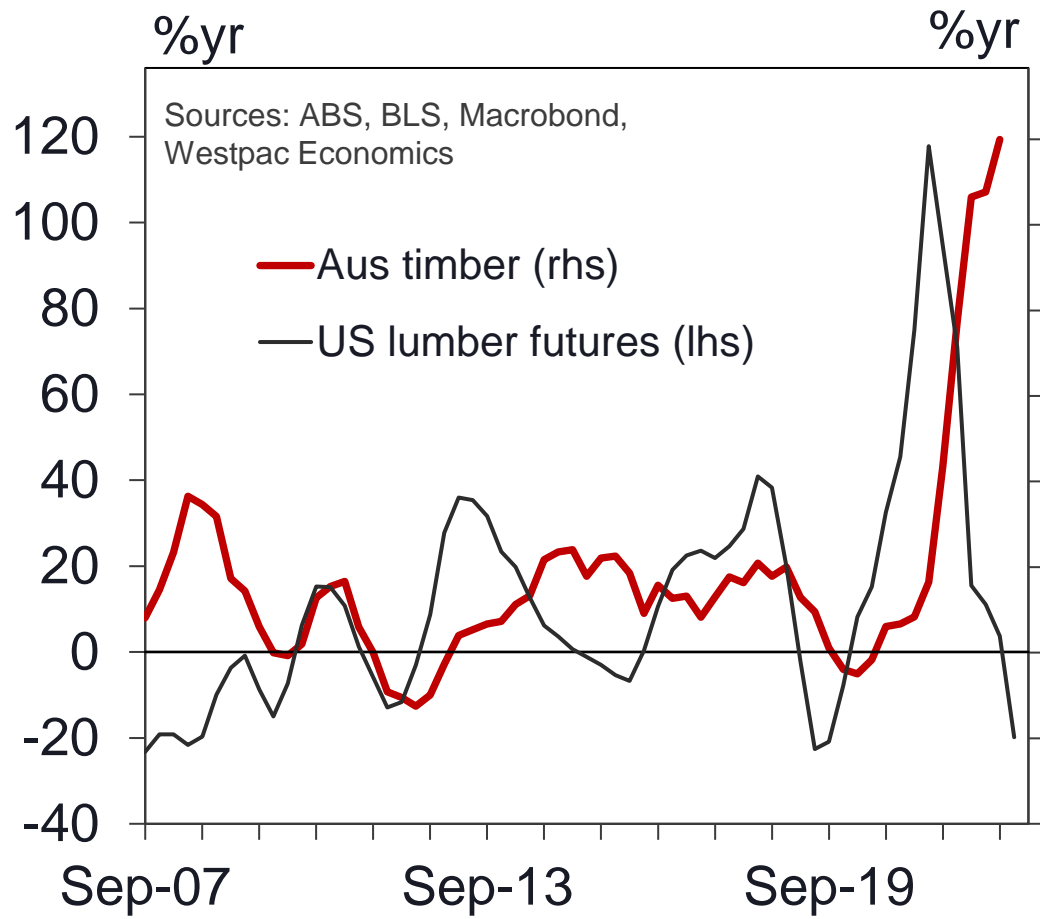
Dwelling inputs costs may be peaking

In 2008/09 it was steel inflation, this time it's more widespread

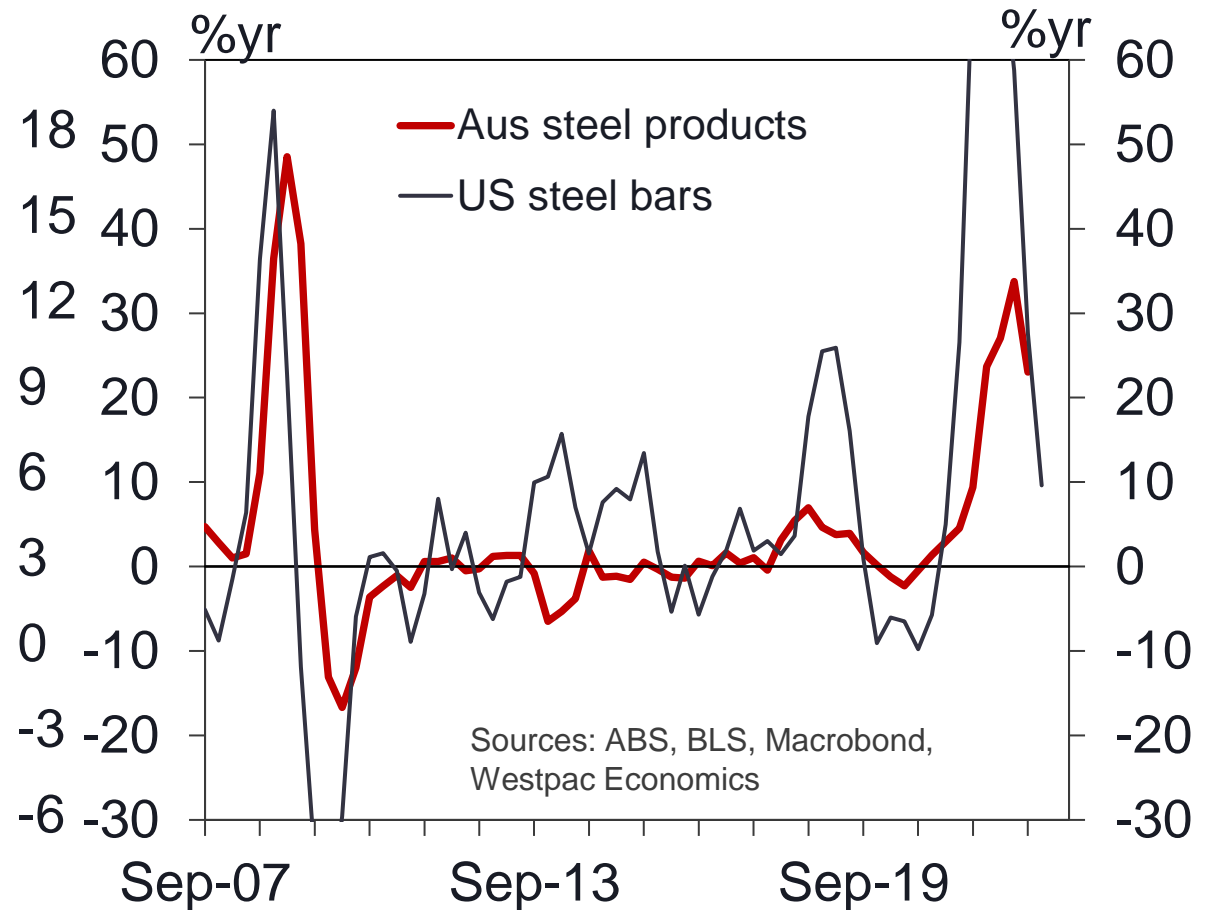


International construction cost inflation has peaked

Lumber prices deflating in the US

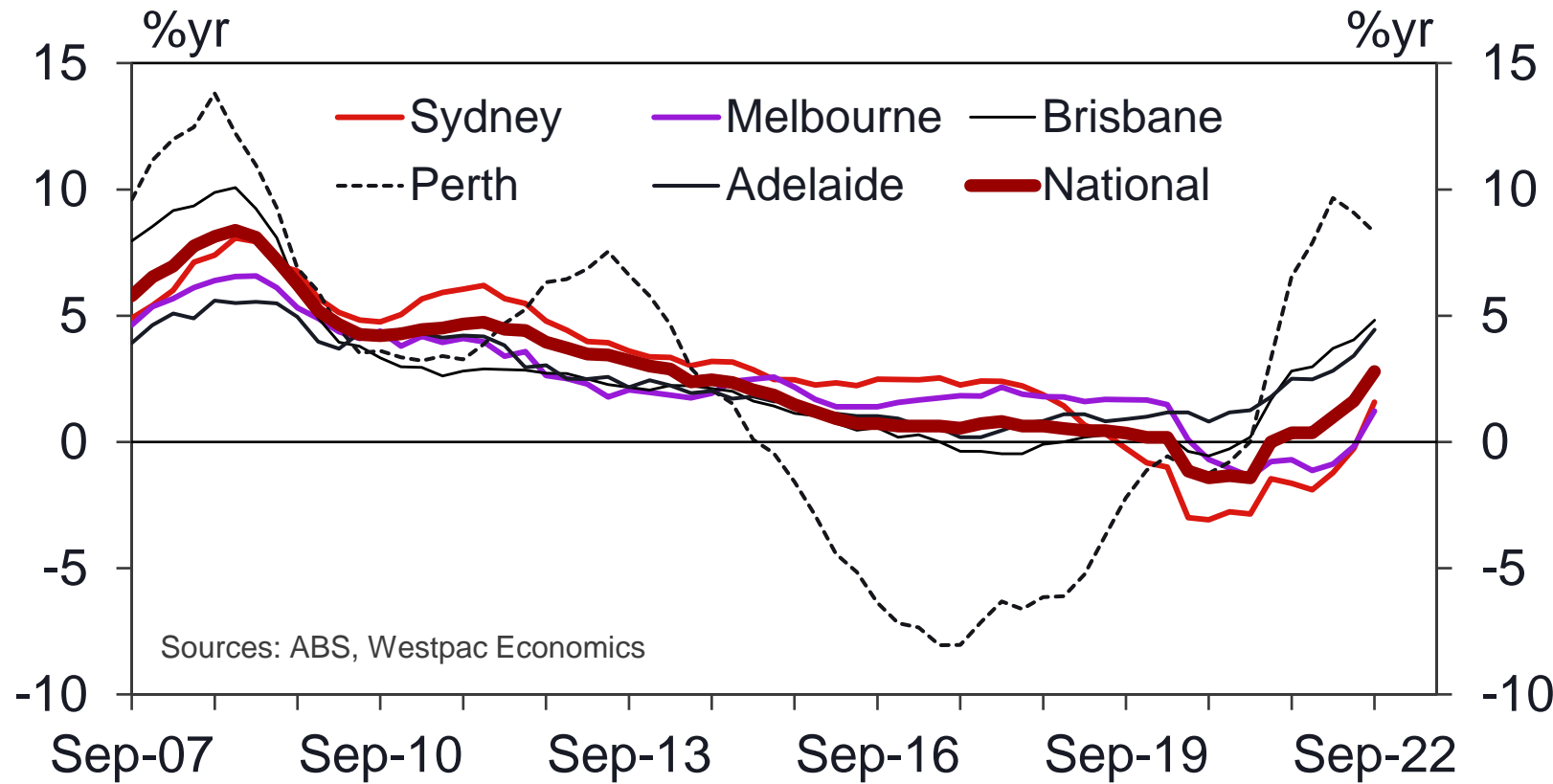


US steel prices turning over



Rental price inflation picking up steam

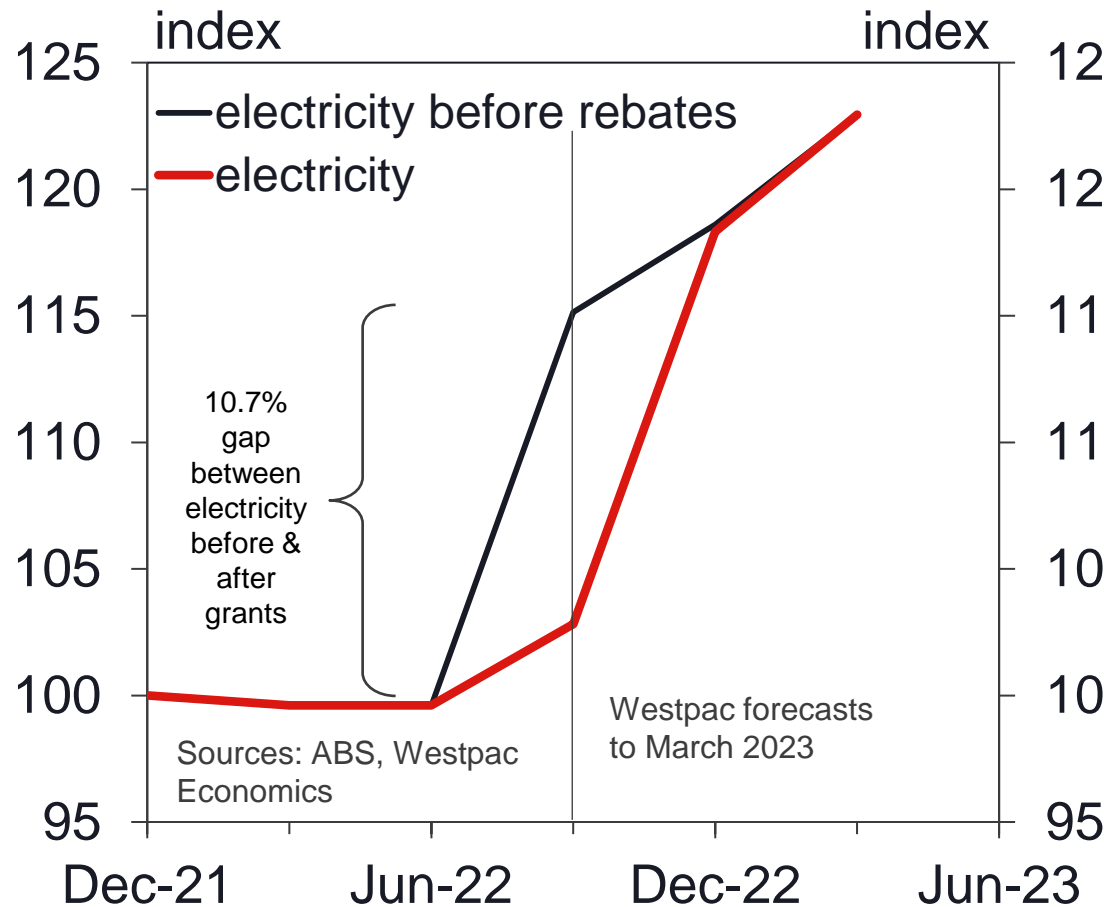
As vacancy rates fall rents pick up in Sydney & Melbourne



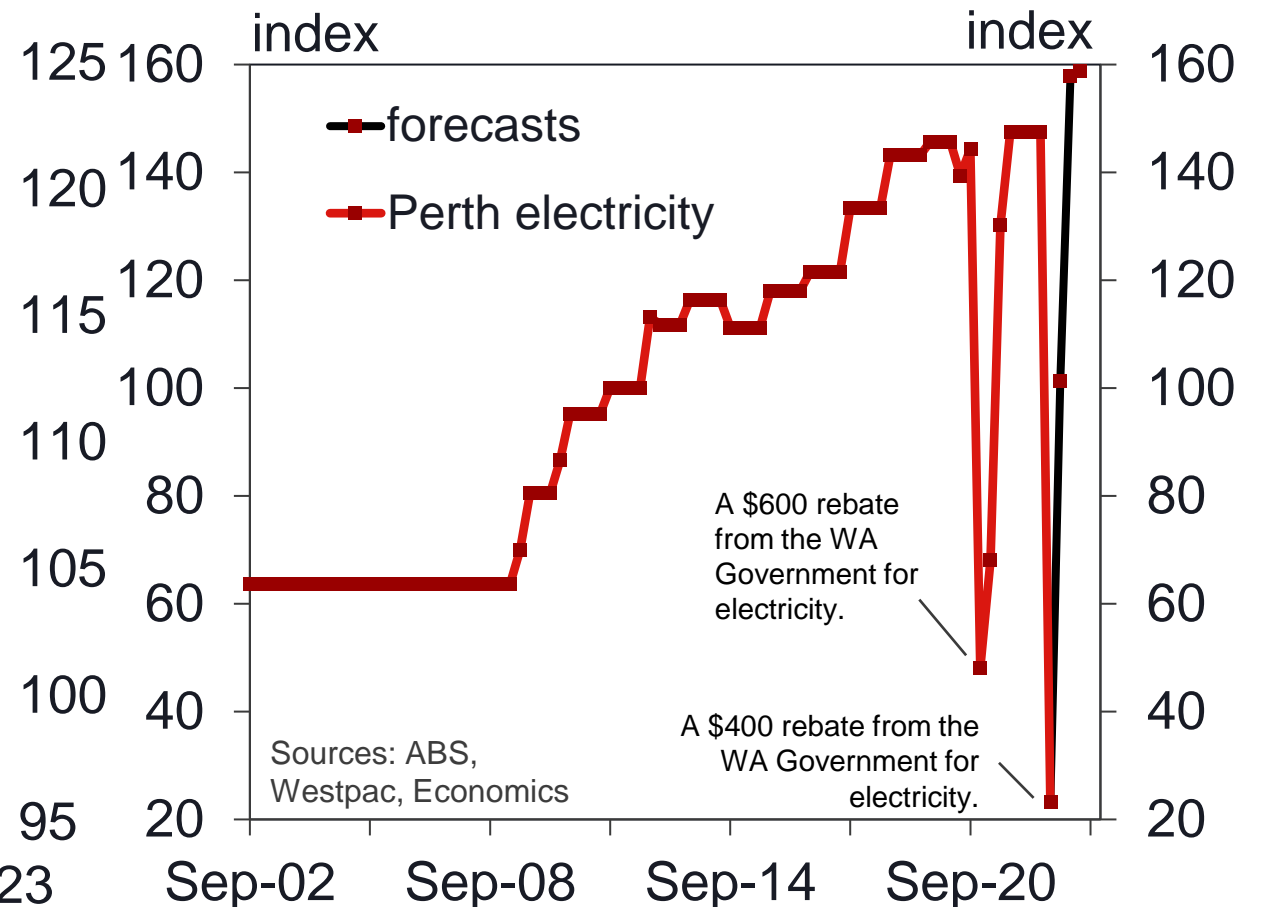
- Rental price growth in Sydney and Melbourne increased in September (1.3%qtr & 1.1%qtr respectively) following subdued growth since the onset of the COVID-19 pandemic in 2020.
- In June rents increased 0.4%qtr and 0.2%qtr respectively.
- A third consecutive quarter of rent rises for these two cities a significant step up from the previous trend for falling rents.
- This shift is consistent with the recent drop in vacancy rates.
- The remaining capital cities have recorded higher increases in rent prices reflecting historically low vacancy rates.
- Westpac is forecasting rents to make an increasingly larger contribution to inflation at least to the first half of 2023 with rental inflation peaking at around 6%yr in June 2023.

Reversal of grants set to supercharge power inflation in Q4

Grants muted price gains in Q3

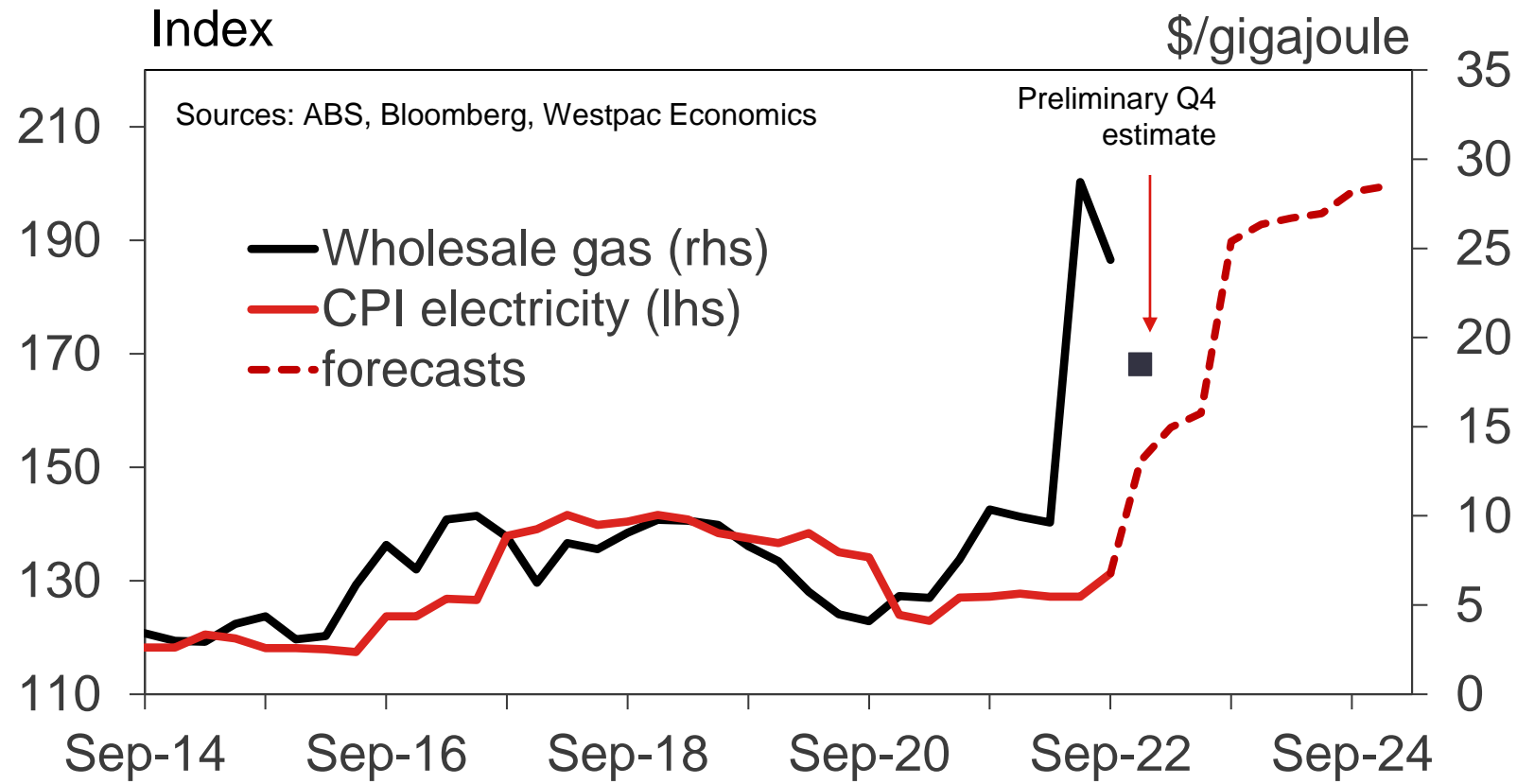


Expecting a faster rebound in Q4



Rebates a temporary offset for power bills

State energy rebates adds volatility by delaying inflation

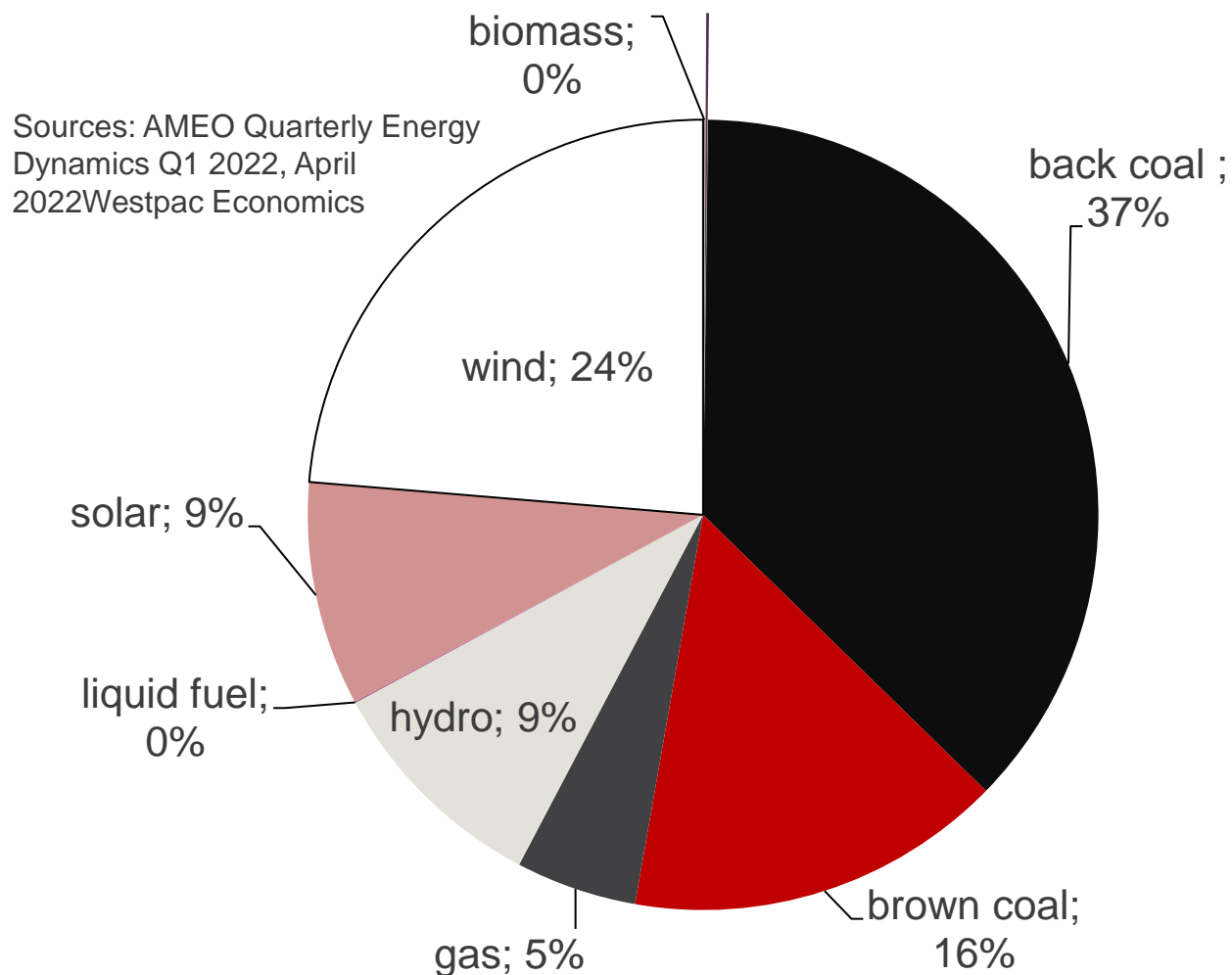


- Utilities rose 4.8% in the quarter, driven by gas & other household fuels (+10.9%) and electricity (+3.2%).
- This is the strongest rise for gas & other household fuels since September 2012 (14.2%).
- Gas and electricity price rises reflect annual reviews with retailers across all cities passing through higher wholesale prices.
- The rise in electricity was partially offset by the introduction of rebates including the WA \$400 household electricity credit introduced, The Qld \$175 Cost of Living rebate and the ACT \$50 rebate for concession households.
- Excluding the grants electricity prices would have risen 15.6% in the quarter. This has shifted the timing of the increase in electricity to the December quarter, and possibly the March quarter, as the rebates are used by households.

Gas

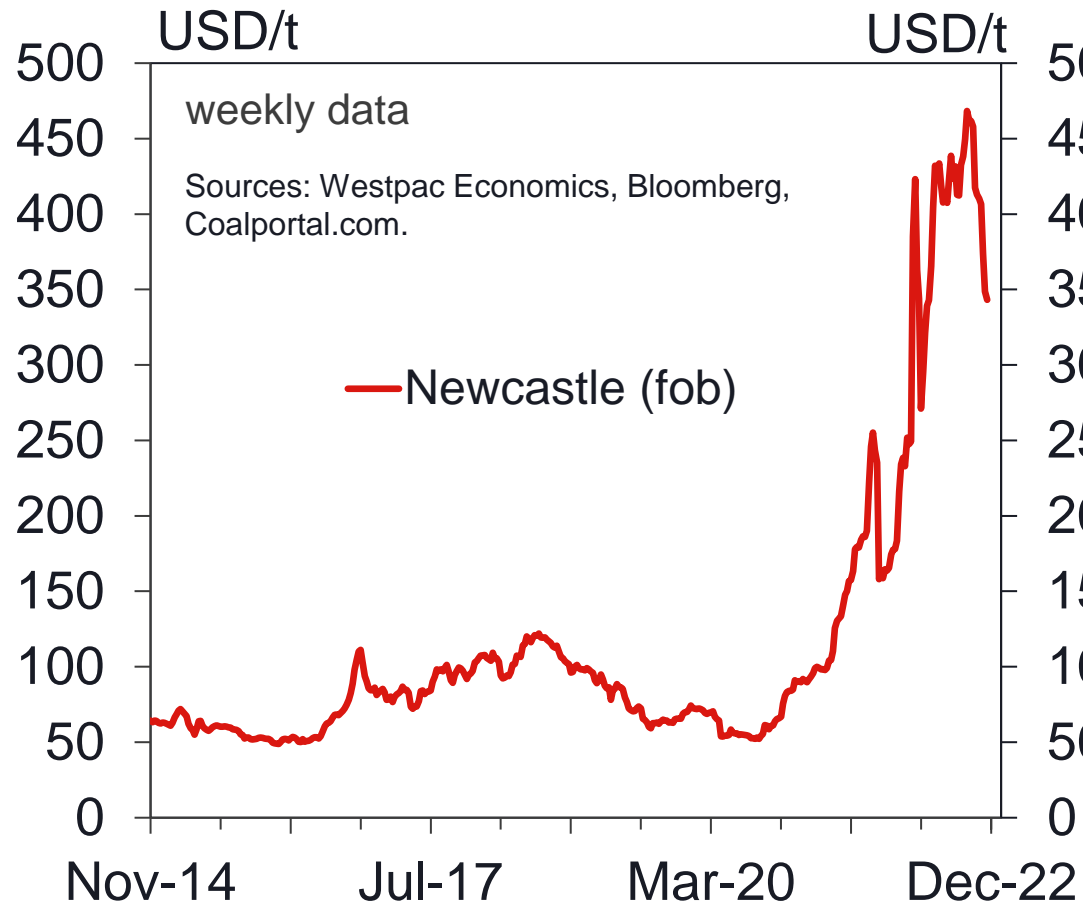
Gas may only be 5% of generation but as the marginal producer, mostly used during peak requirements, it is the price setting fuel.

Fuel mix in Australian National Energy Market

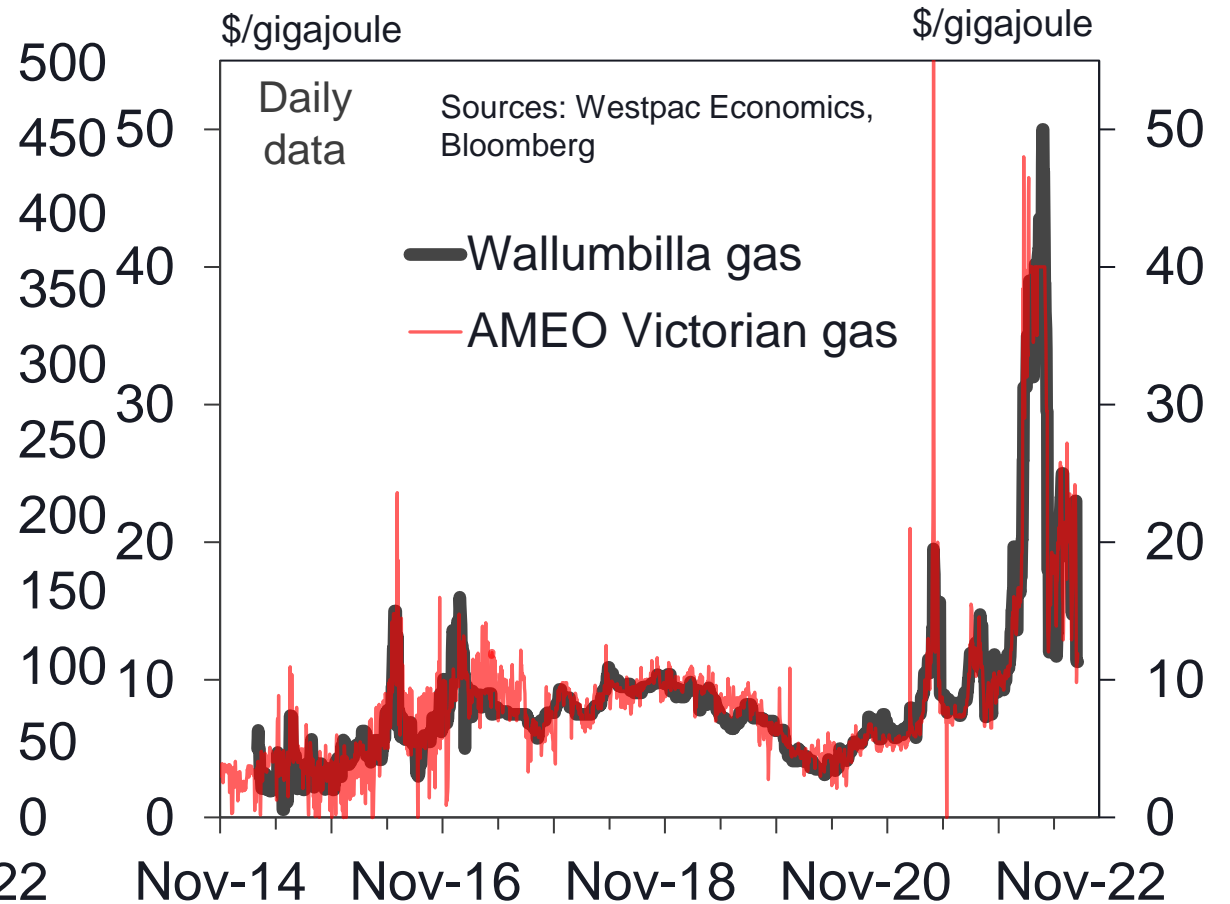


Speculation the Government will introduce price caps

Potential price cap \$70/t

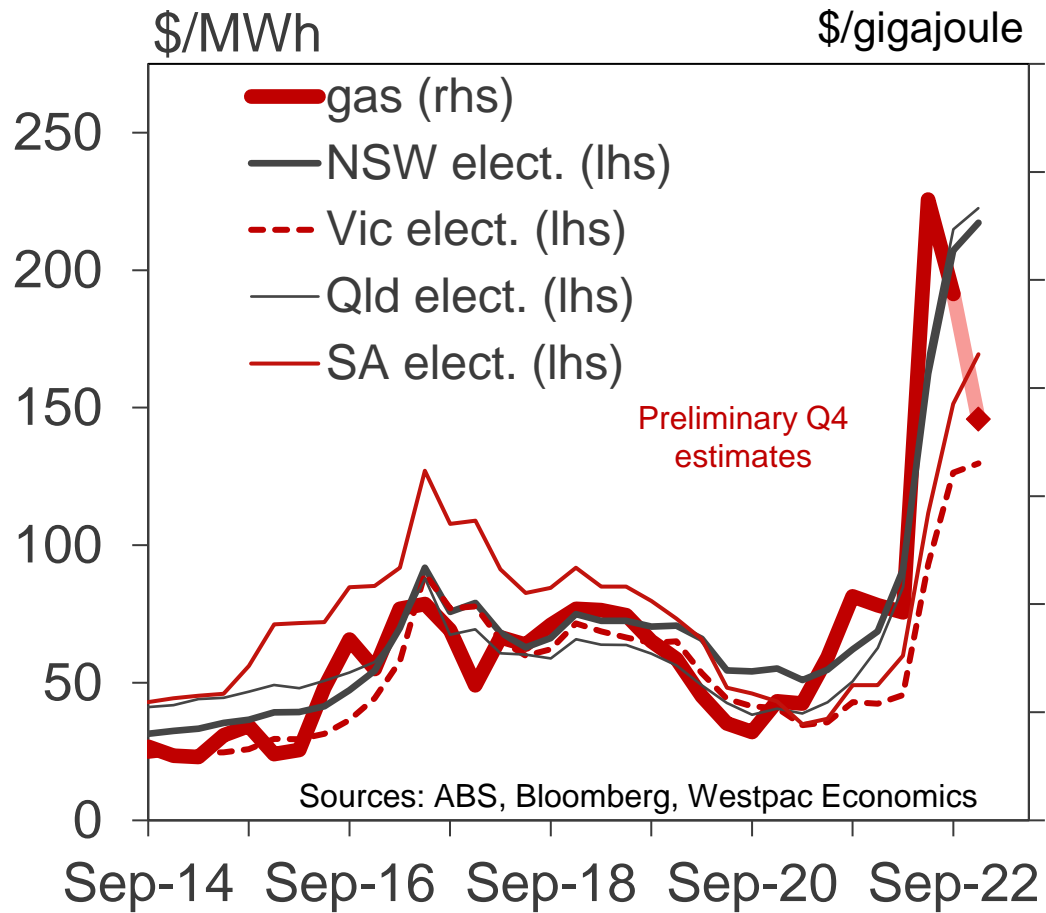


Potential price cap \$10/gigajoule

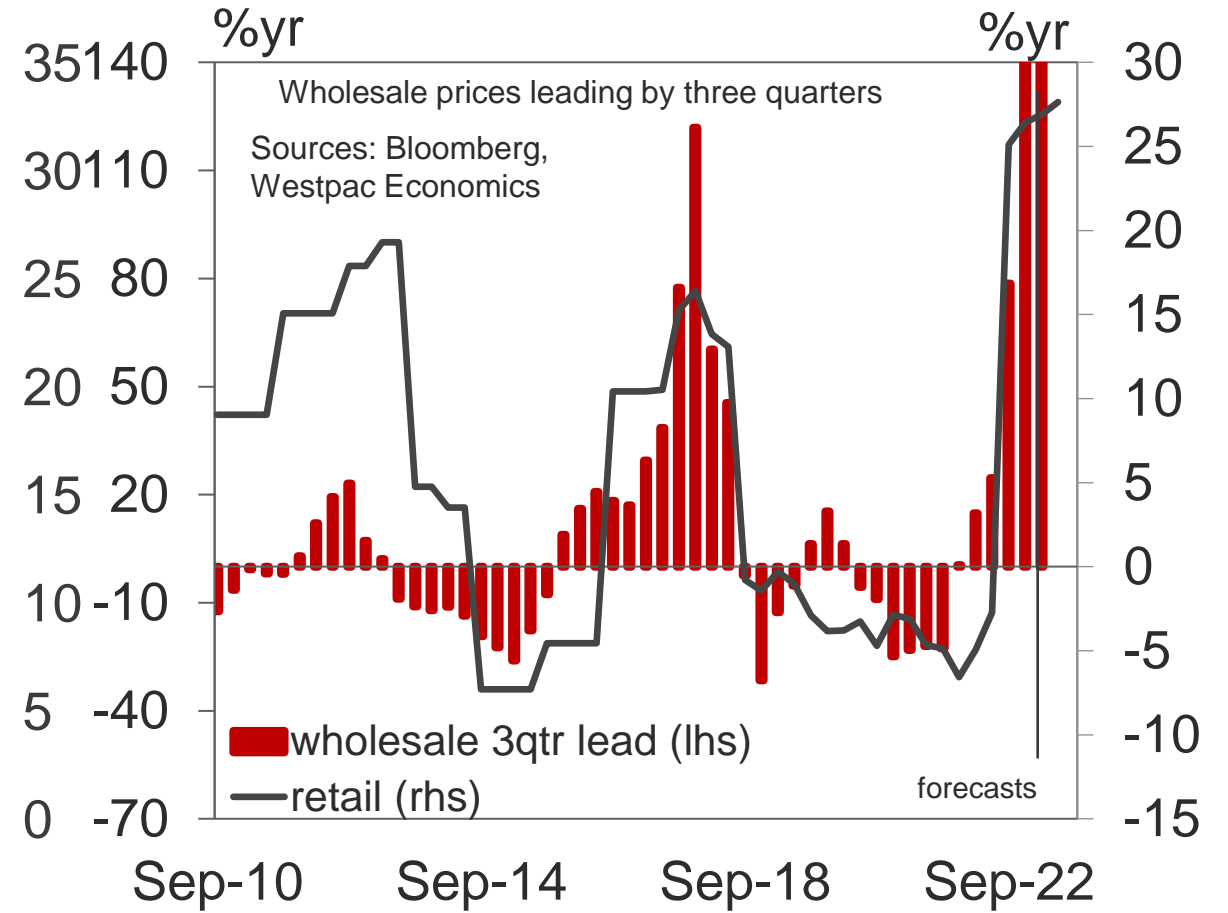


Gas sets marginal power prices but regional issues matter

Gas prices vs elect. futures

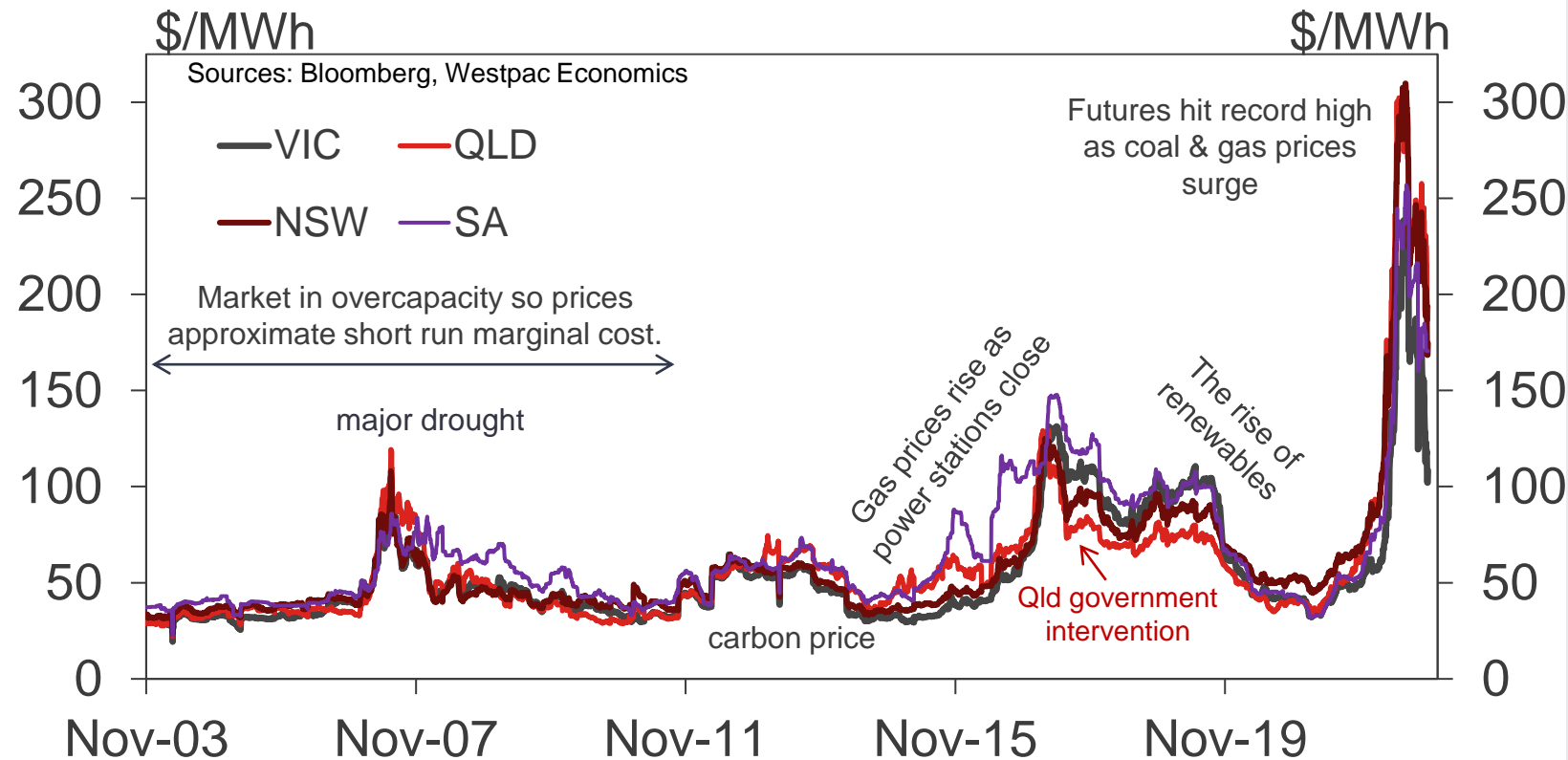


Retail prices trend with wholesale



History of electricity futures prices

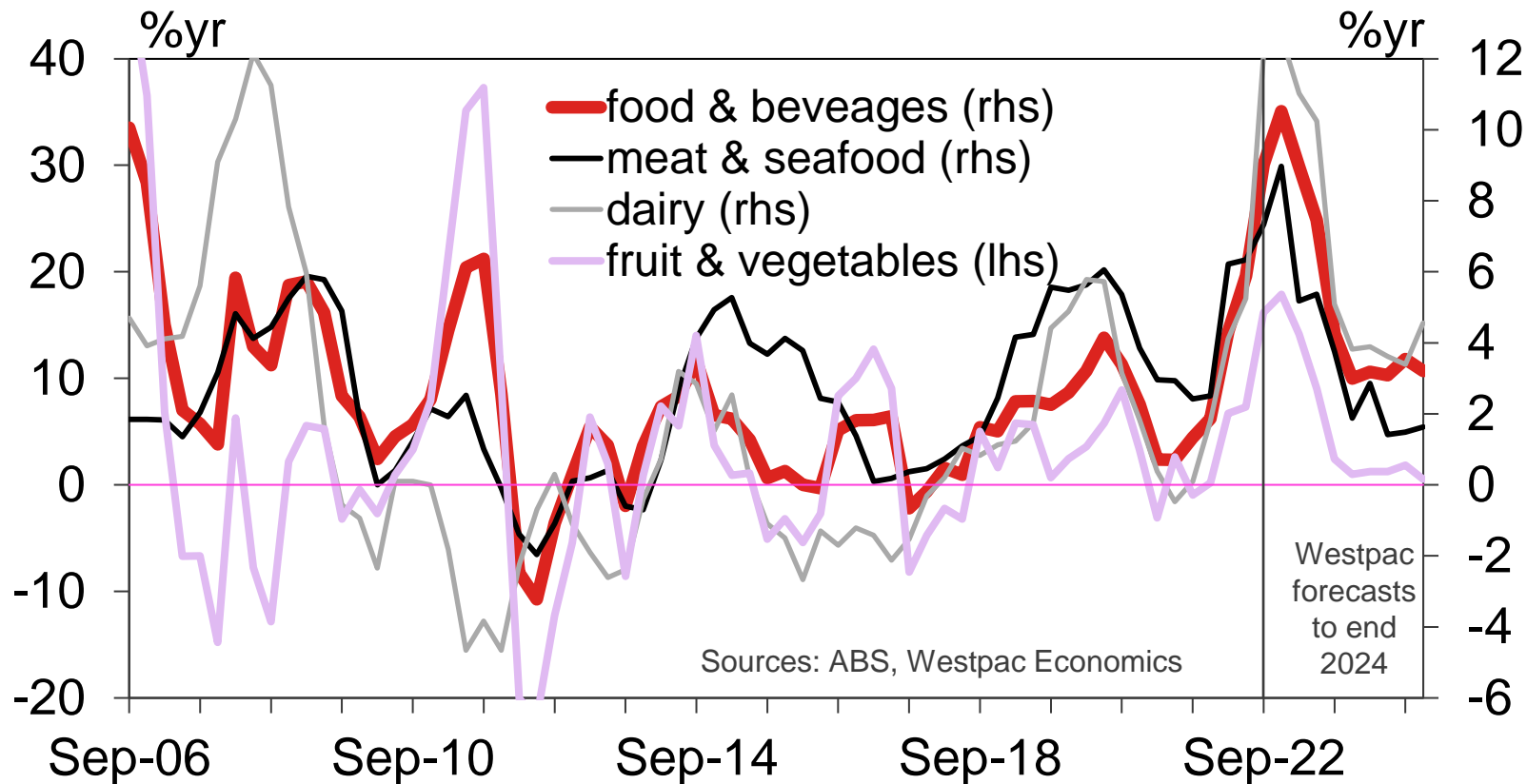
Electricity futures are volatile but 2022 is extreme



- Up to 2016, & outside the carbon tax/drought periods, there was over capacity in generation with prices approximated short run marginal cost of coal fired power plants.
- In 2016/2017 a number of older, more marginal coal fired power plants were retired sooner than expected. Renewable power generation could not fill the gap so gas fired generators stepped up. As such gas now sets the marginal price.
- Australian gas exports rapidly expanded drawing supplies from the local market forcing domestic prices into alignment with global prices. Global demand for LNG was very solid pushing prices higher.
- Qld react first lifting generation and thus reducing prices. This was followed by a lift in generation from other states just as global gas prices eased.
- From 2019 the rise of renewables with marginal cost of zero saw generation continue even when power prices fell below the cost of production.
- Combined with falling gas prices, futures fell back to the short-run marginal cost. This new equilibrium lasted till the energy shock of 2022.

Food inflation remains elevated

Strong gains seen across food & non-food grocery products

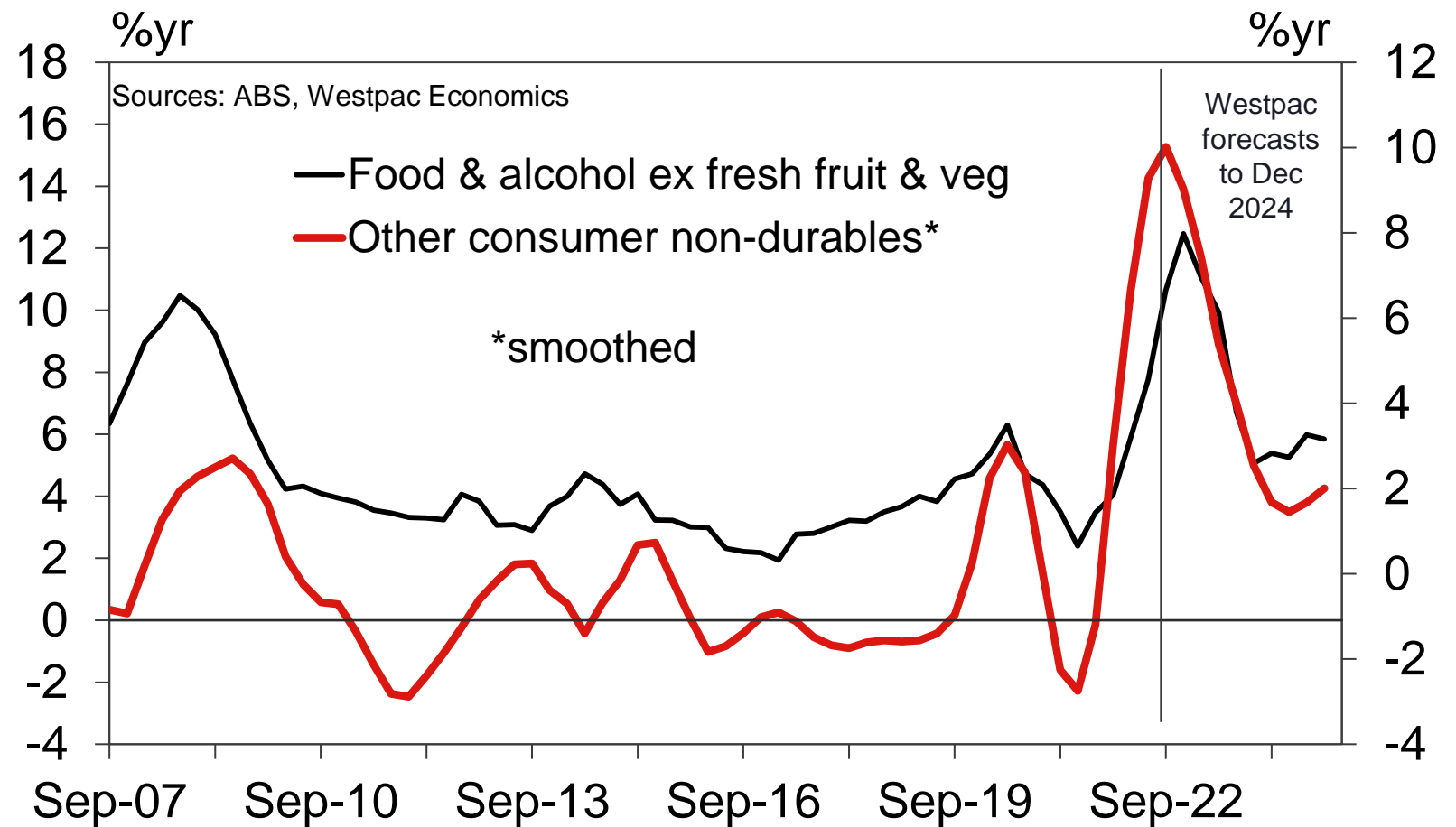


- Fruit & vegetables rose 4.5%qtr due to heavy rainfall and flooding in key growing areas with higher transport and fertiliser costs also contributed to the rise.
- Meals out & take away foods gained 2.9% due to rising input costs and labour shortages, and an end to the NSW Dine & Discover.
- The roll-out of the Victorian Dining & Entertainment Program partly offset the rise. Excluding the impact of these voucher schemes, meals out & takeaway foods rose 3.1%.
- Dairy and related products rose 6.8% due to higher milk prices.
- Fruit & vegetables gained 16.2%yr while dairy products lifted 12.1%yr.
- Food lifted 3.2% compared to our 2.3% forecast. This upside surprise in food prices has lead us to upgrade our food price inflation profile through to early 2023.

Step

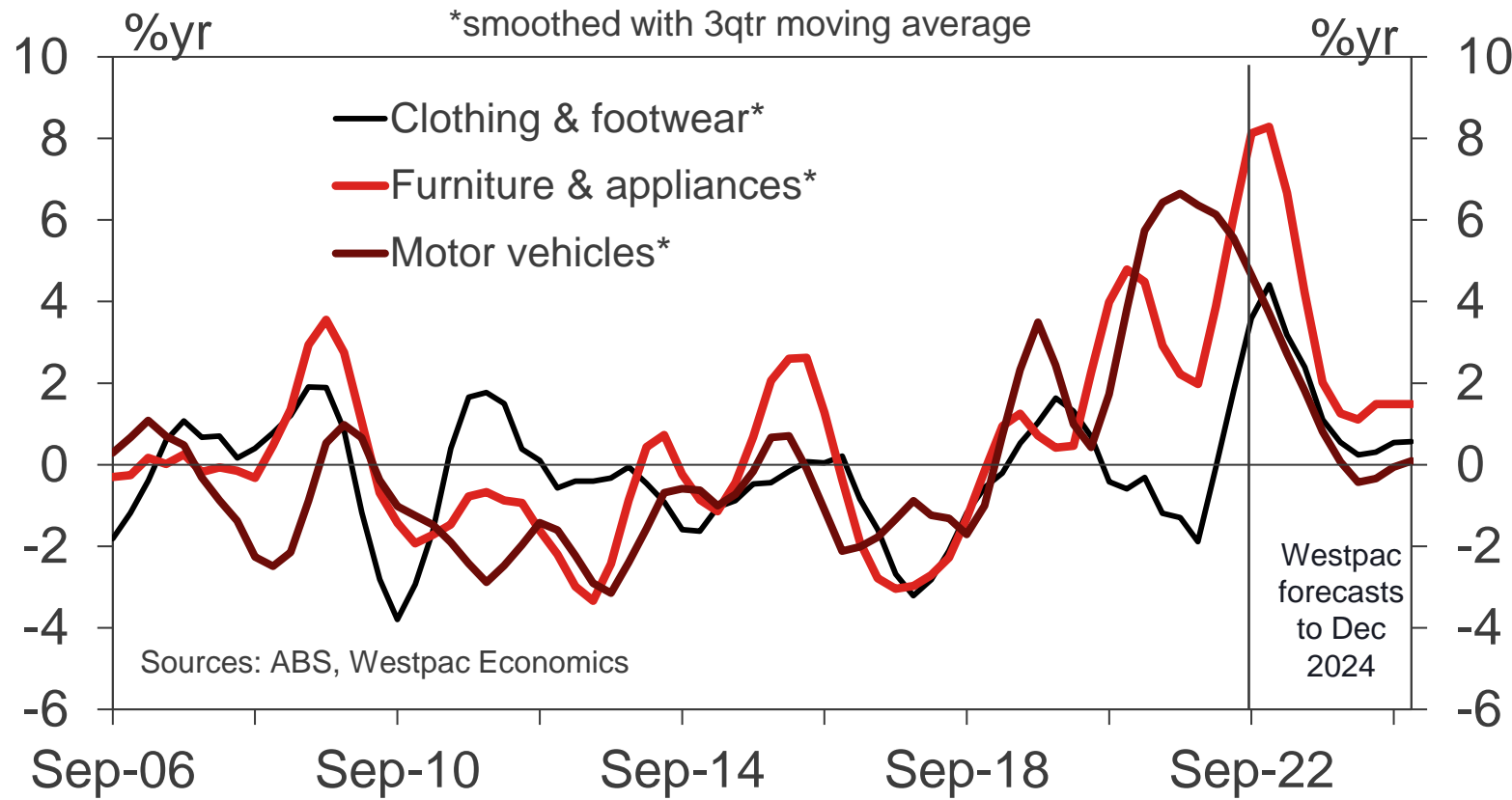
Once the inflationary pulse passes we expect non-durable inflation to continue at a faster pace than it was pre-COVID.

Non-durables inflation is not just about food



Durable goods inflation extends into 2023

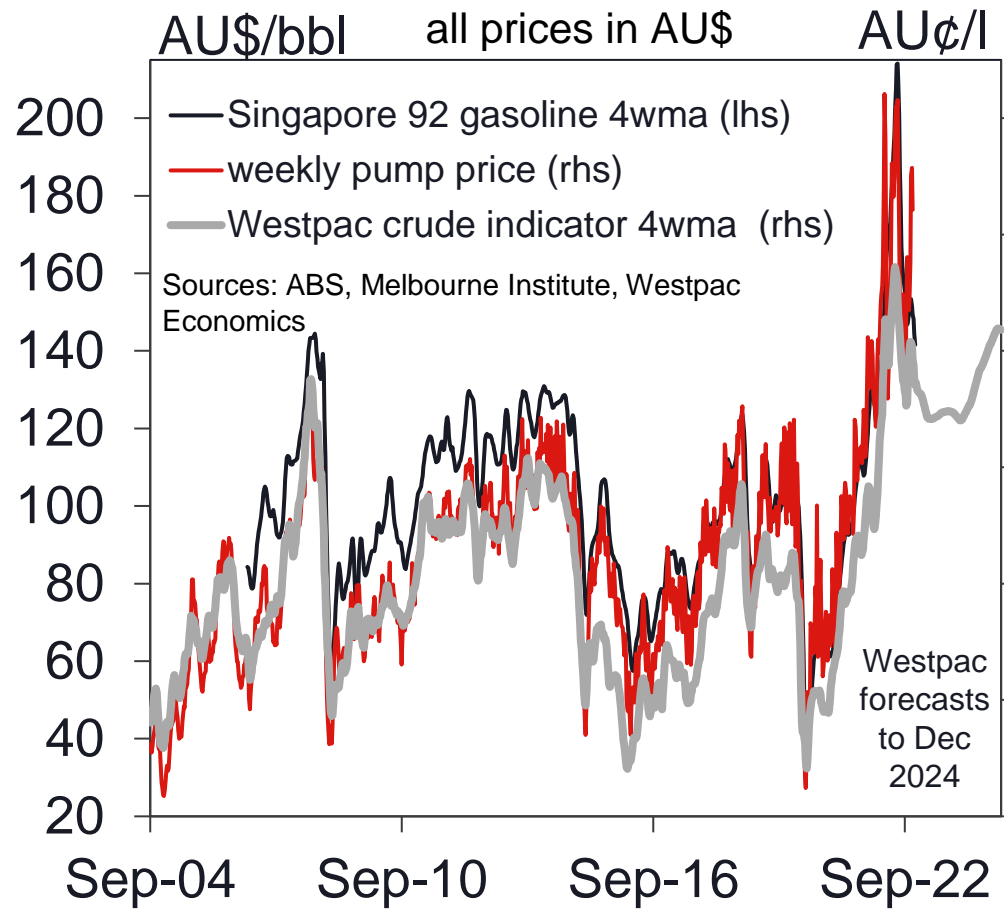
Clothing, footwear & furniture to see sustained higher inflation



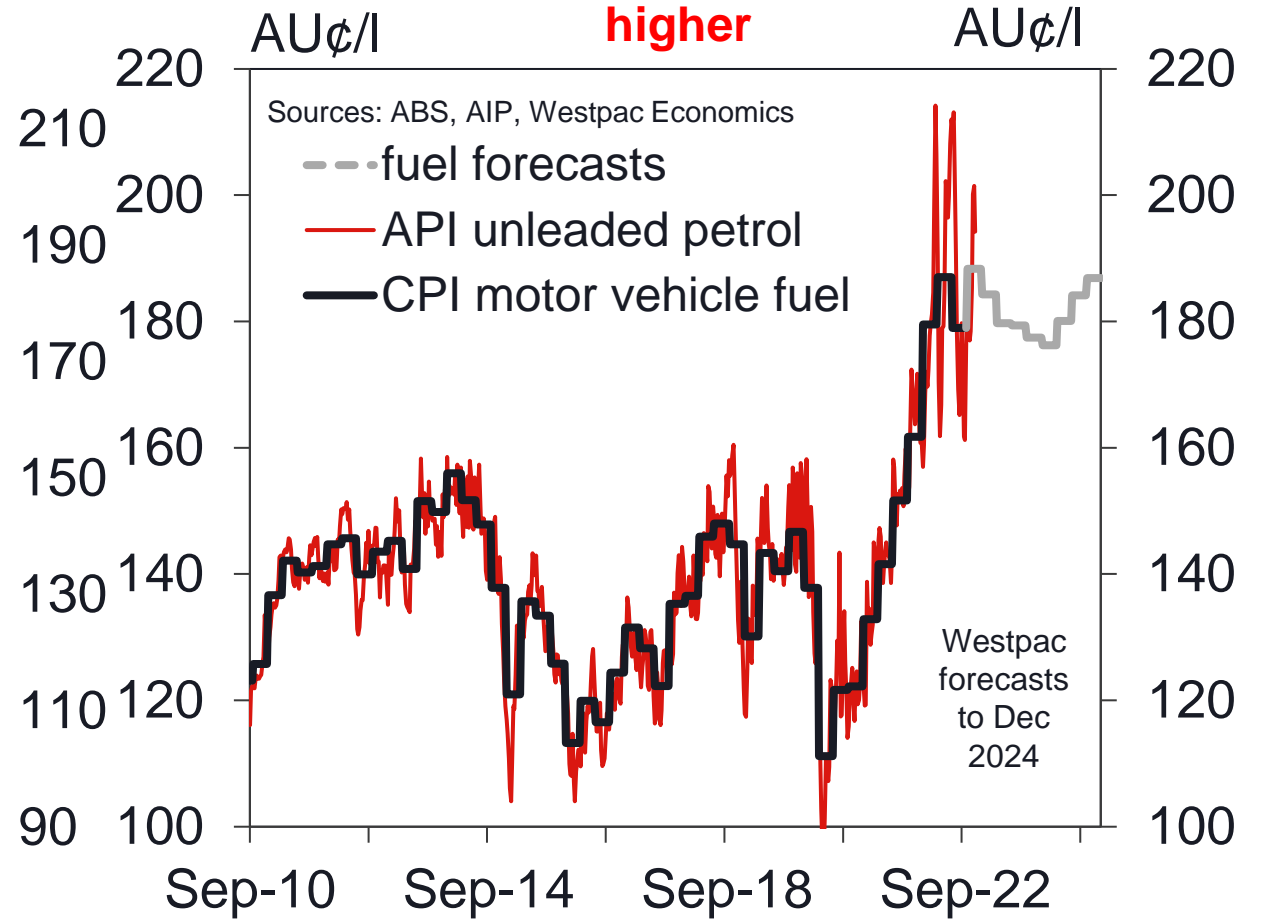
- Clothing & footwear fell -0.2% in September. A -2.5% fall in footwear was the main contributor.
- This group lifted 5.3%yr. Garments for women, up 7.8%yr, was the main contributor. *In seasonally adjusted terms the group recorded no change in the quarter.*
- Furnishings, household equipment & services lifted 2.8%qtr. Furniture rose 6.6% due to ongoing supply chain issues, higher freight and raw material costs.
- Non-durable household goods lifted 2.2% due to increases in a range of products including toilet paper, tissues and hair care products.
- Household services rose 1.9% due to minimum & award wage increase and higher operational costs..
- This group lifted 7.7%yr. Other non-durable household products (16.2%yr) and furniture (11.4%yr) were the main contributors. Seasonally adjusted, this group gained 2.1%. Furniture (3.7%) was the main contributor.

Temporary fuel price relief from lower crude prices

Larger than usual local margin

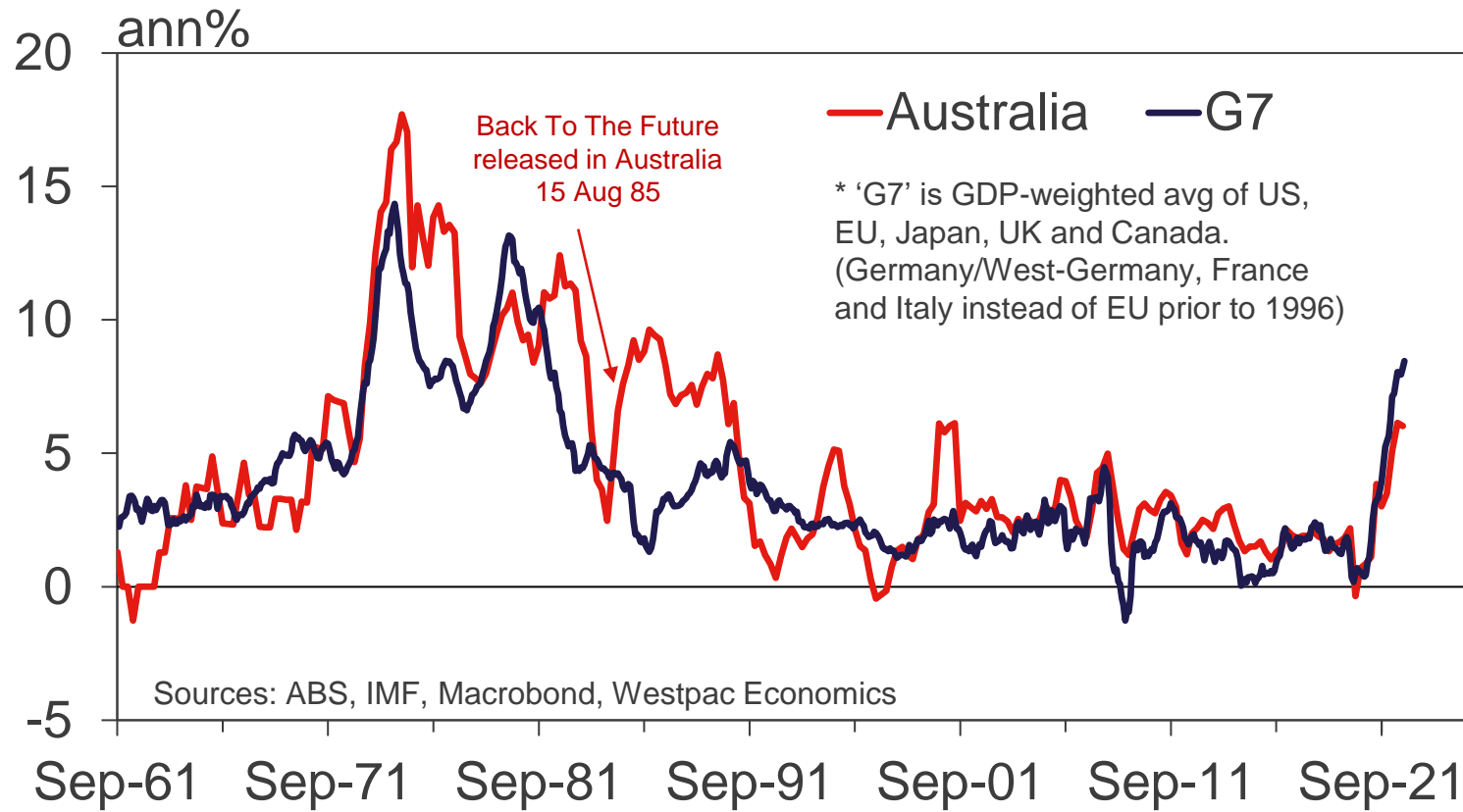


Lift in excise pushes pump prices higher



Inflation, 1970's & '80's vs now

Australian inflation has tended to move with global inflation



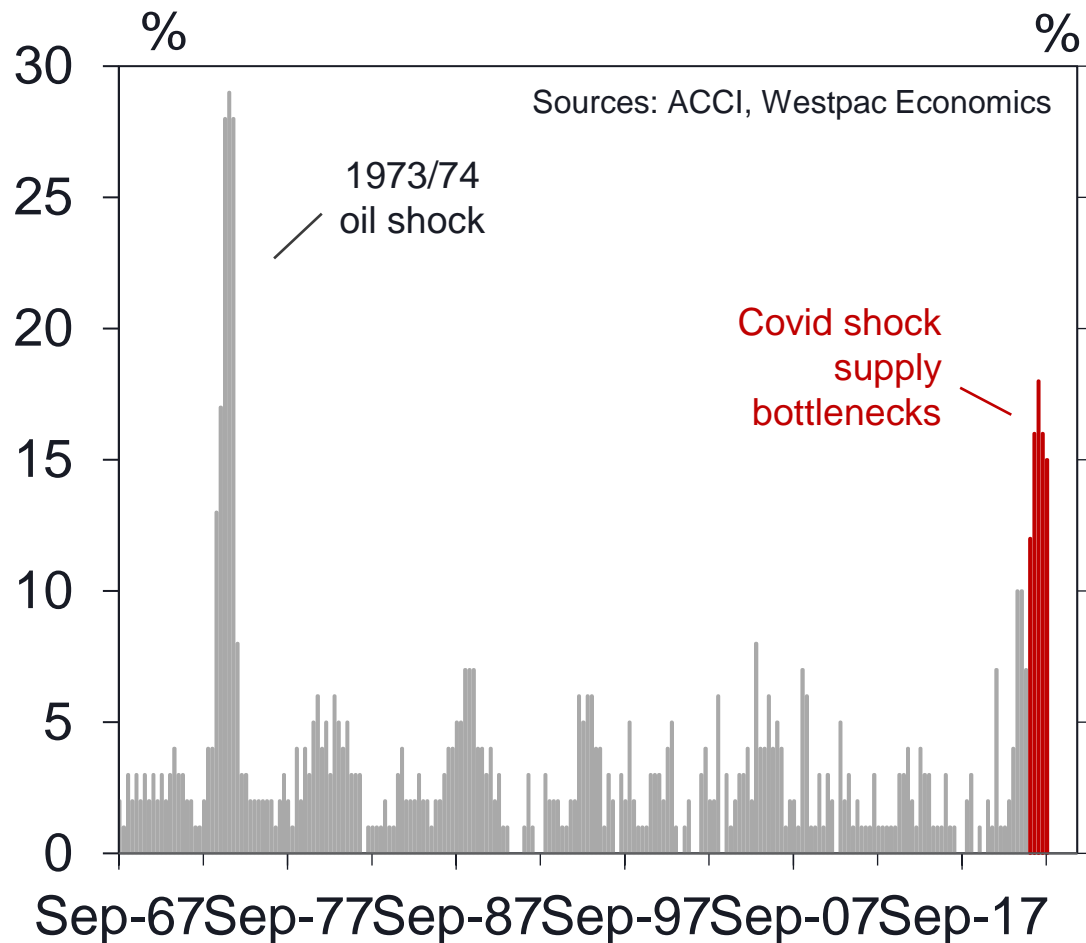
Inflation hitting 40yr high with biggest annual lift in nearly 50yrs.

Key differences this time compared with the 1980s:

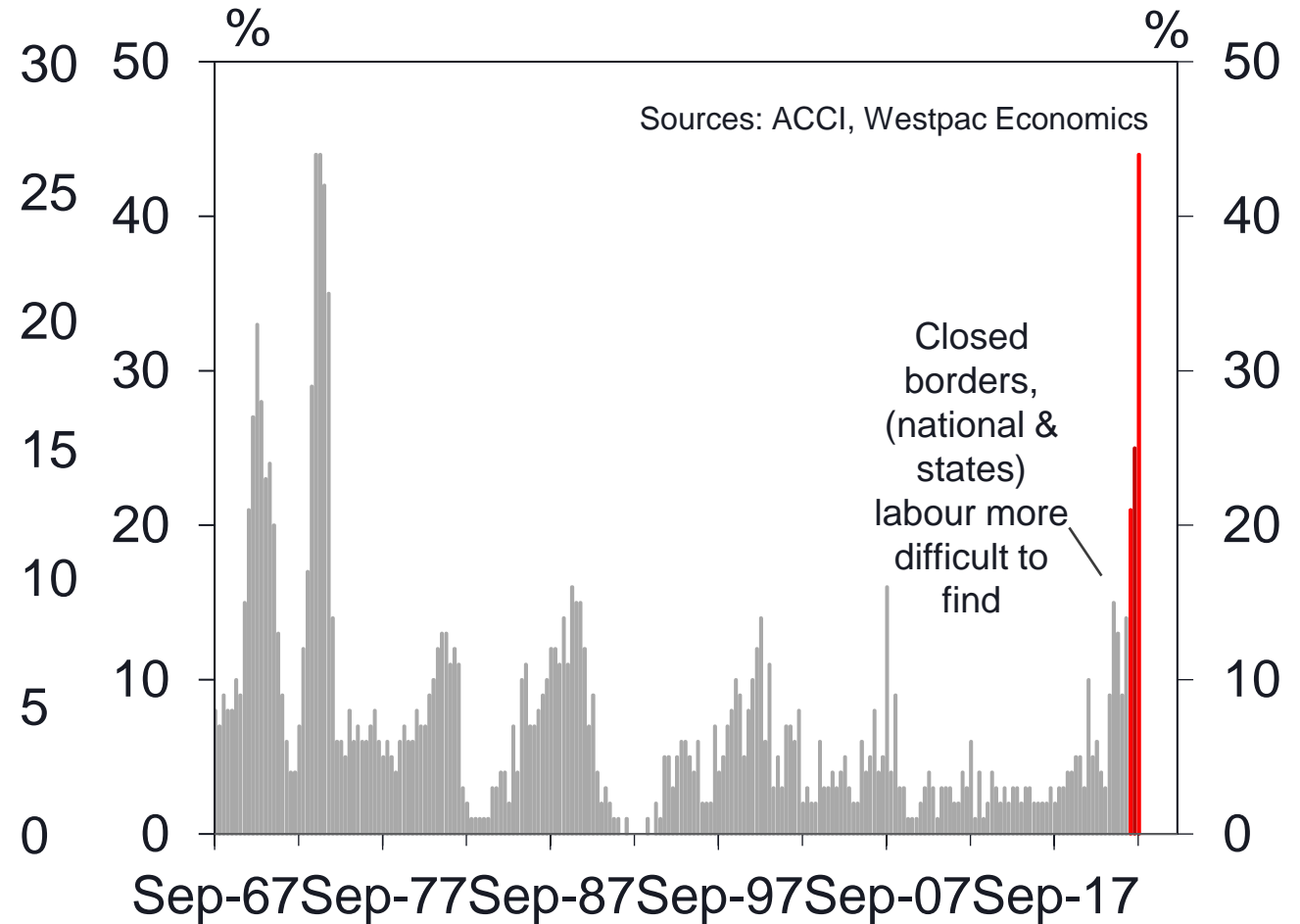
- scale and duration of shocks,
- economy's energy dependence,
- structural rigidities (i.e. labour market structure, corporate strategies, globalisation), and
- central bank independence and inflation based mandates.

Covid biggest supply shock to hit Australia since 1970's

Materials most important constraint

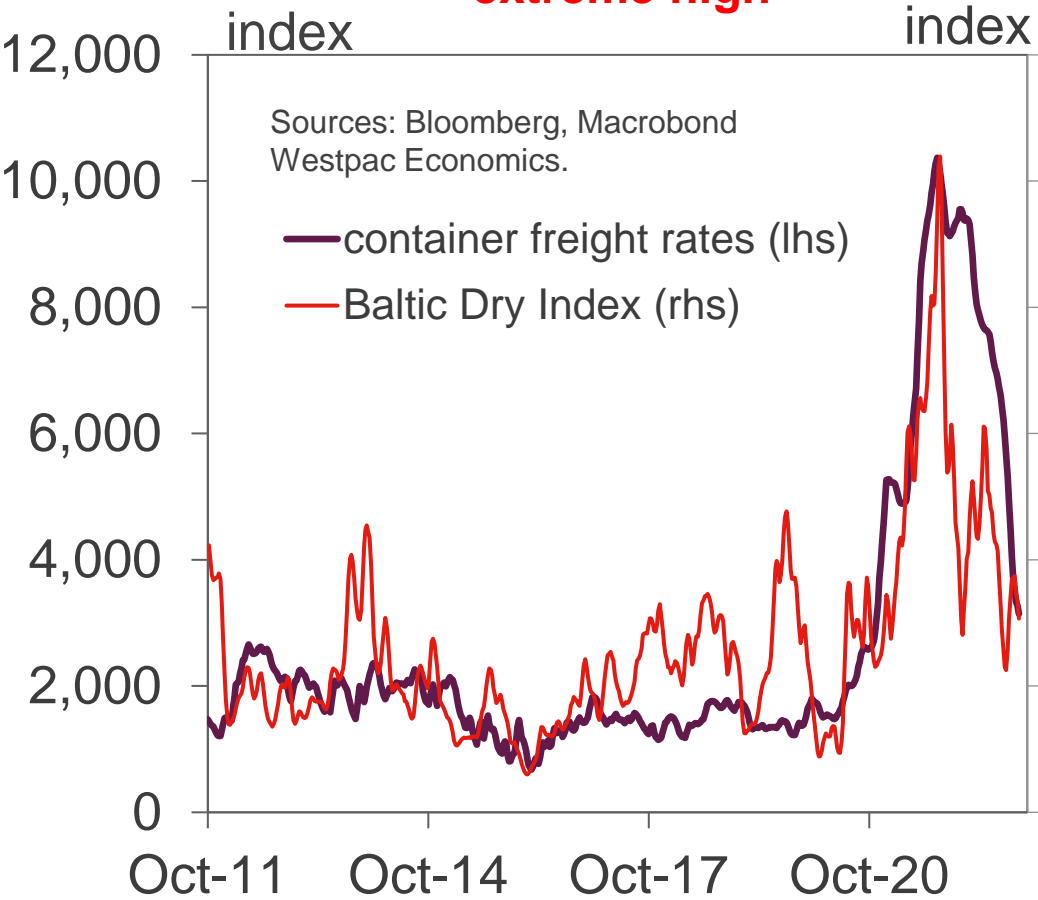


Labour most important constraint

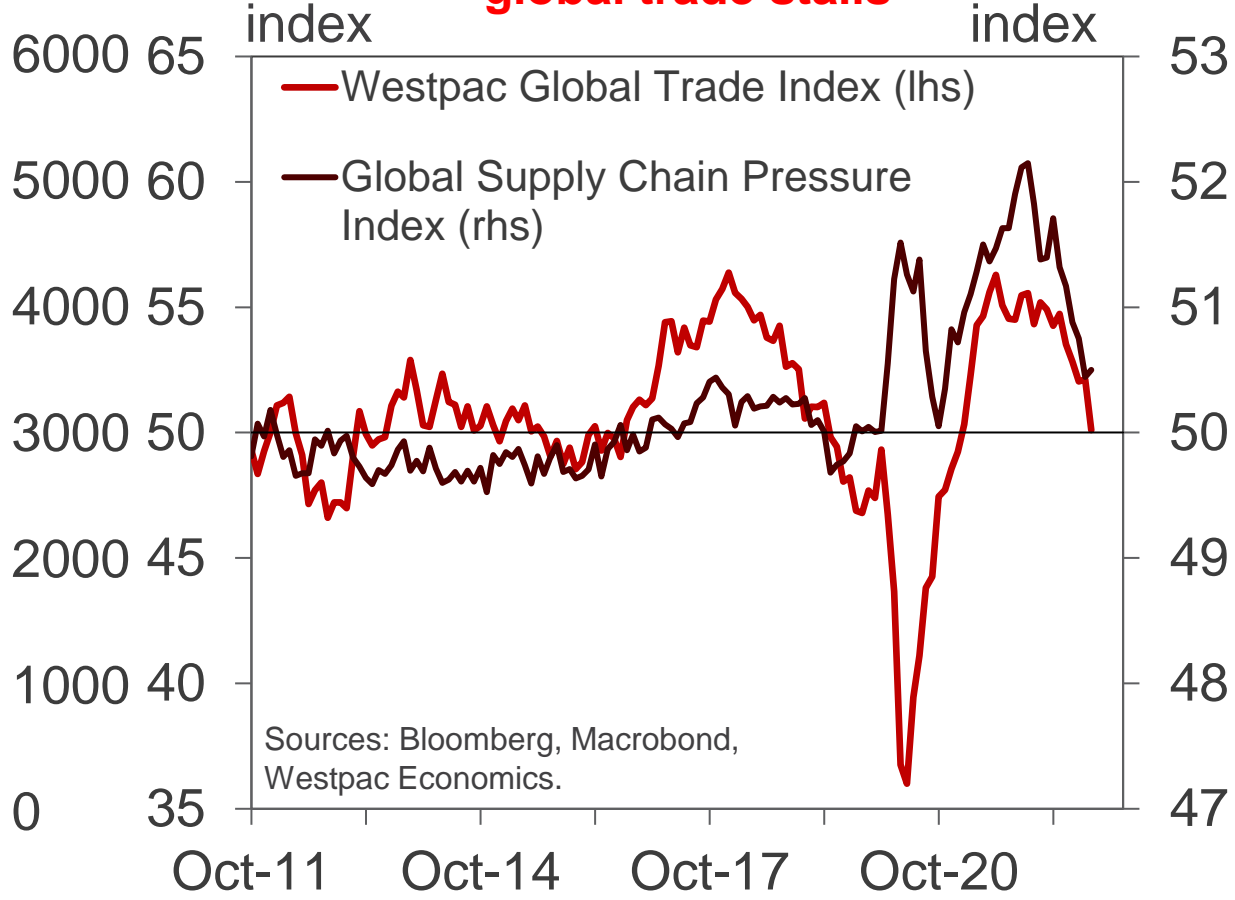


Shipping rates ease, container rates fall as supply chains improve

Container rates correcting from extreme high

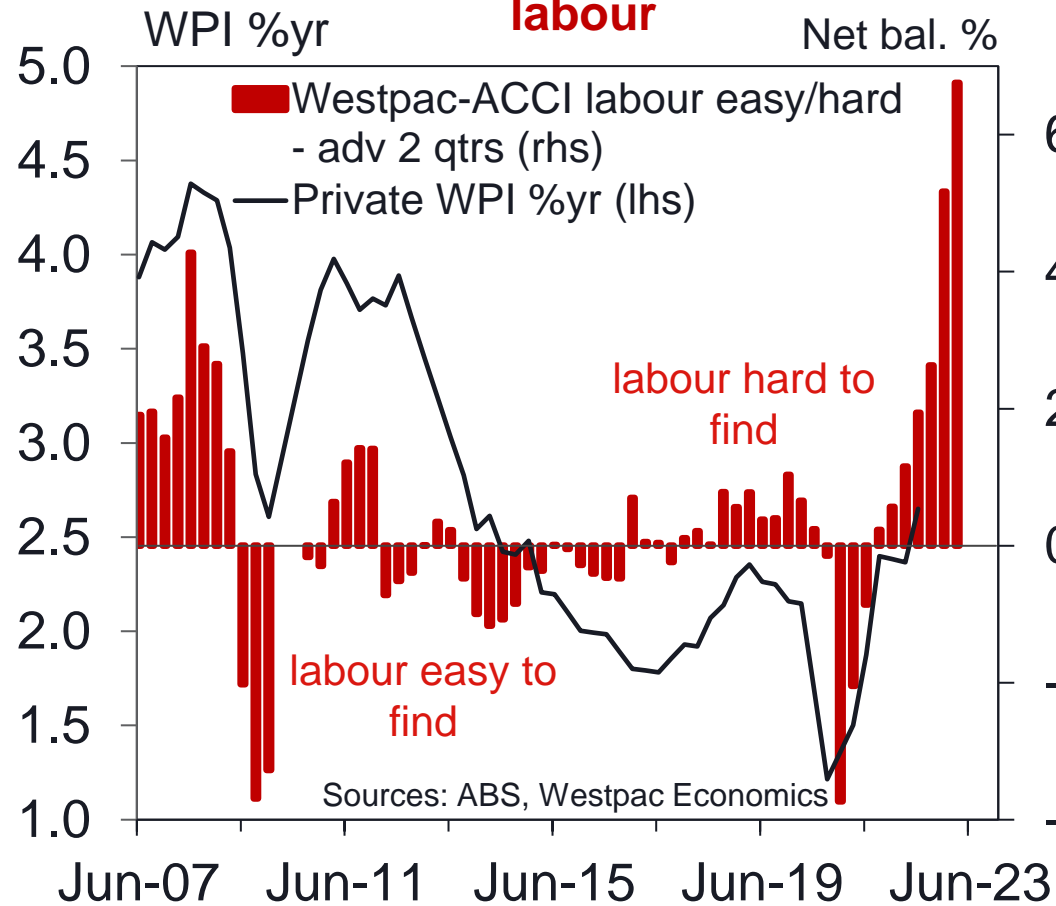


Supply chain pressures easing as global trade stalls

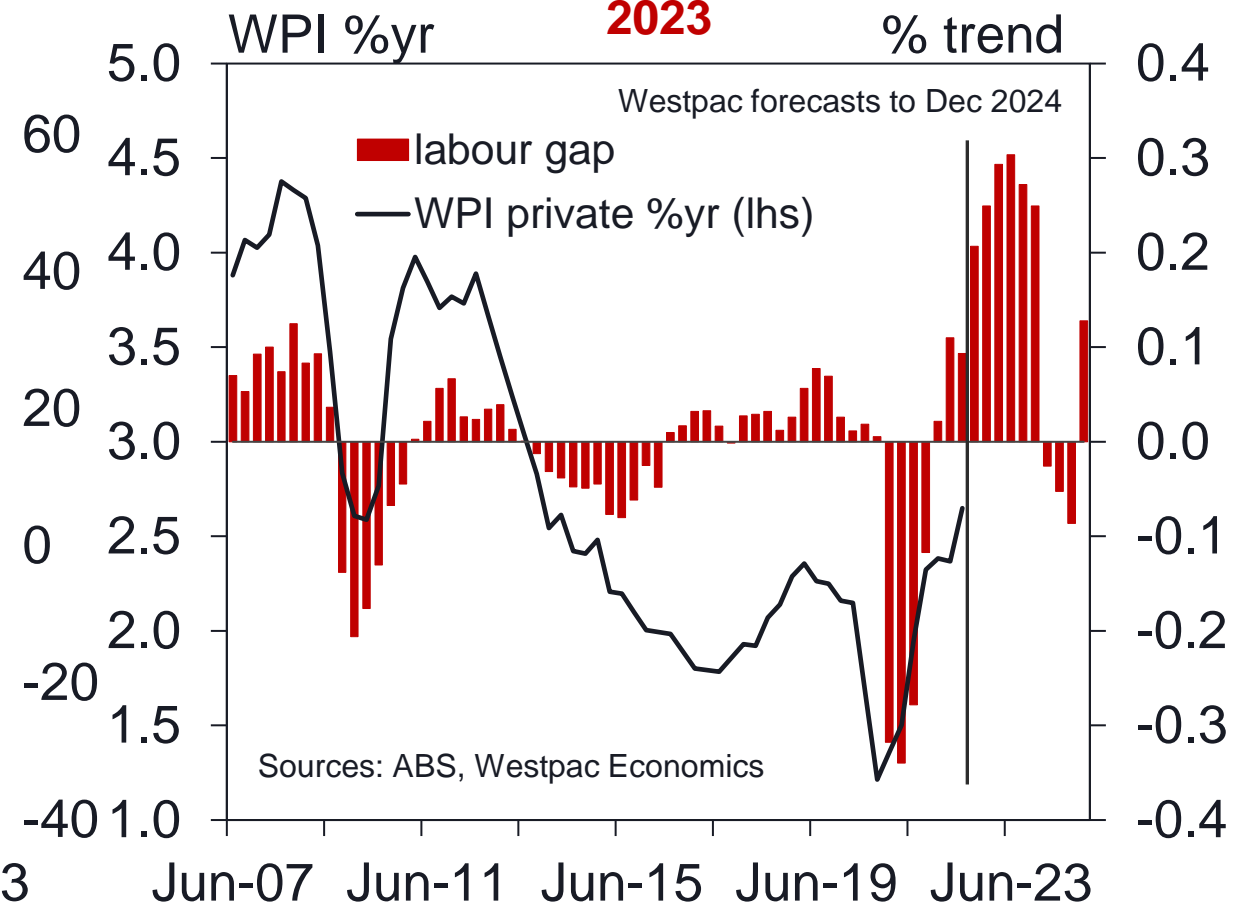


Labour market is as tight as it has ever been

It has never been harder to find
labour

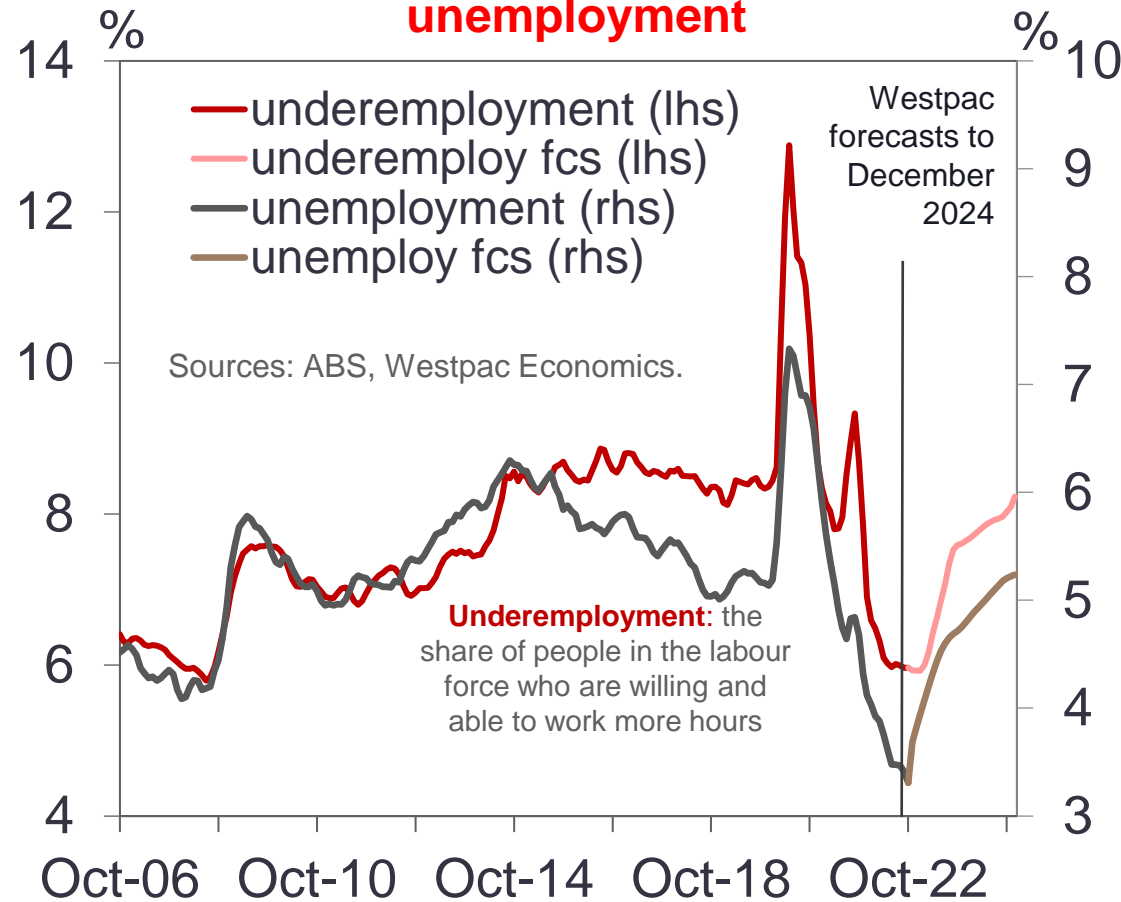


Labour market pressure peaks in
2023

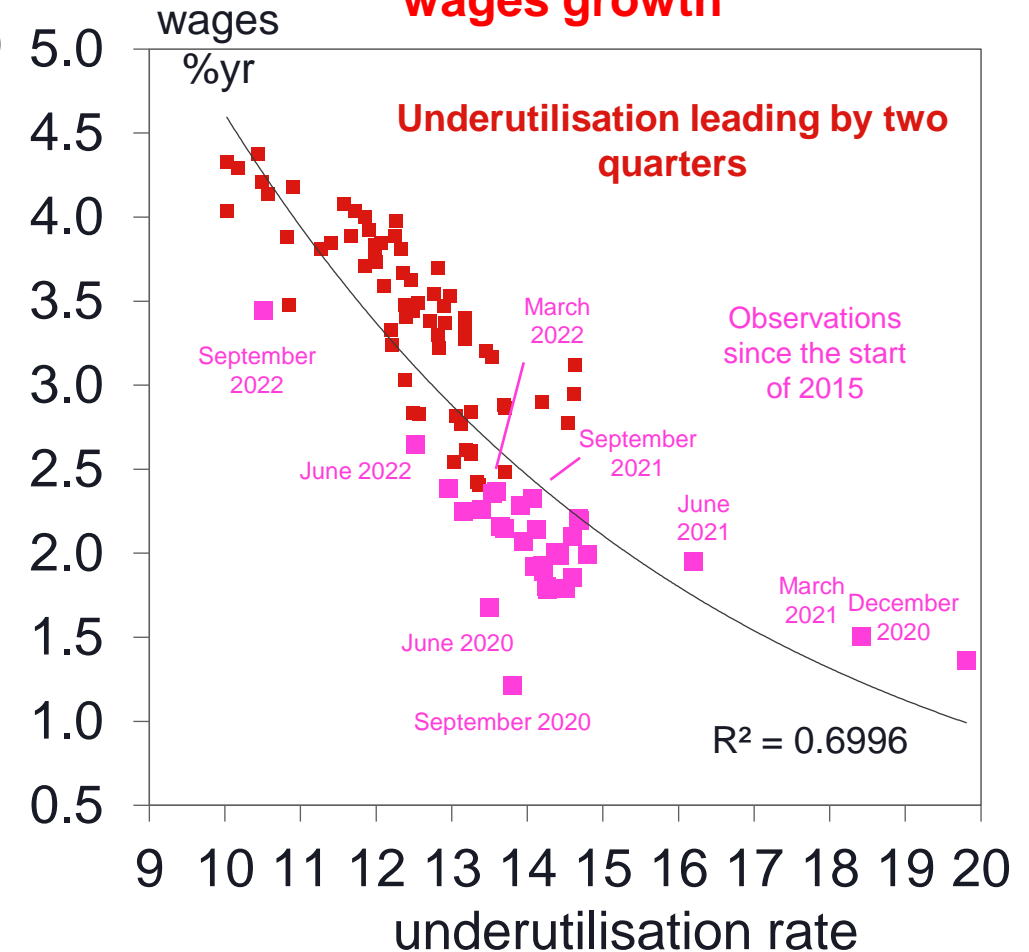


A tight labour market has, and will continue to, lift wages

Underemployment moving with unemployment

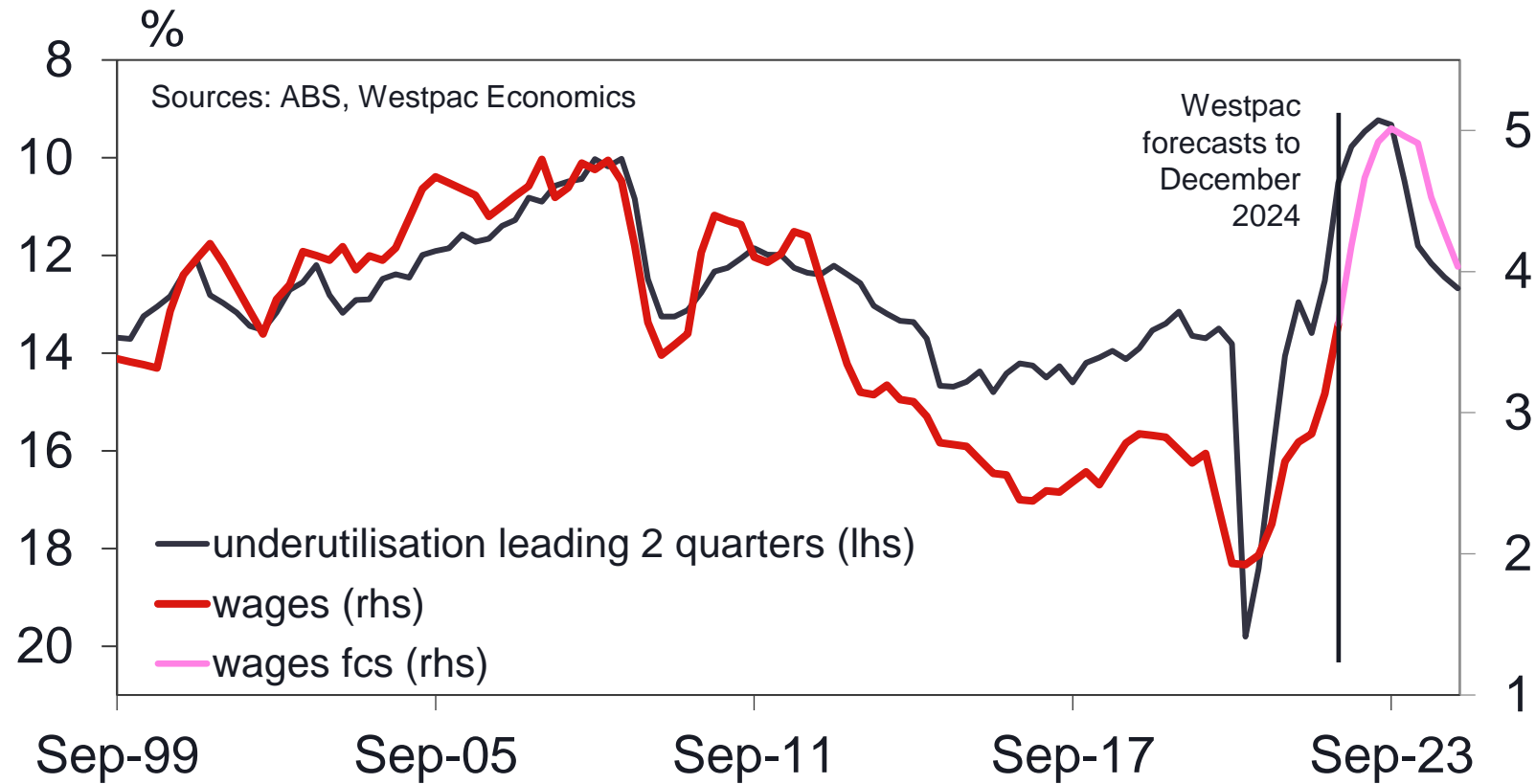


Underutilisation pointing to faster wages growth



The lagged effect of a tight labour market

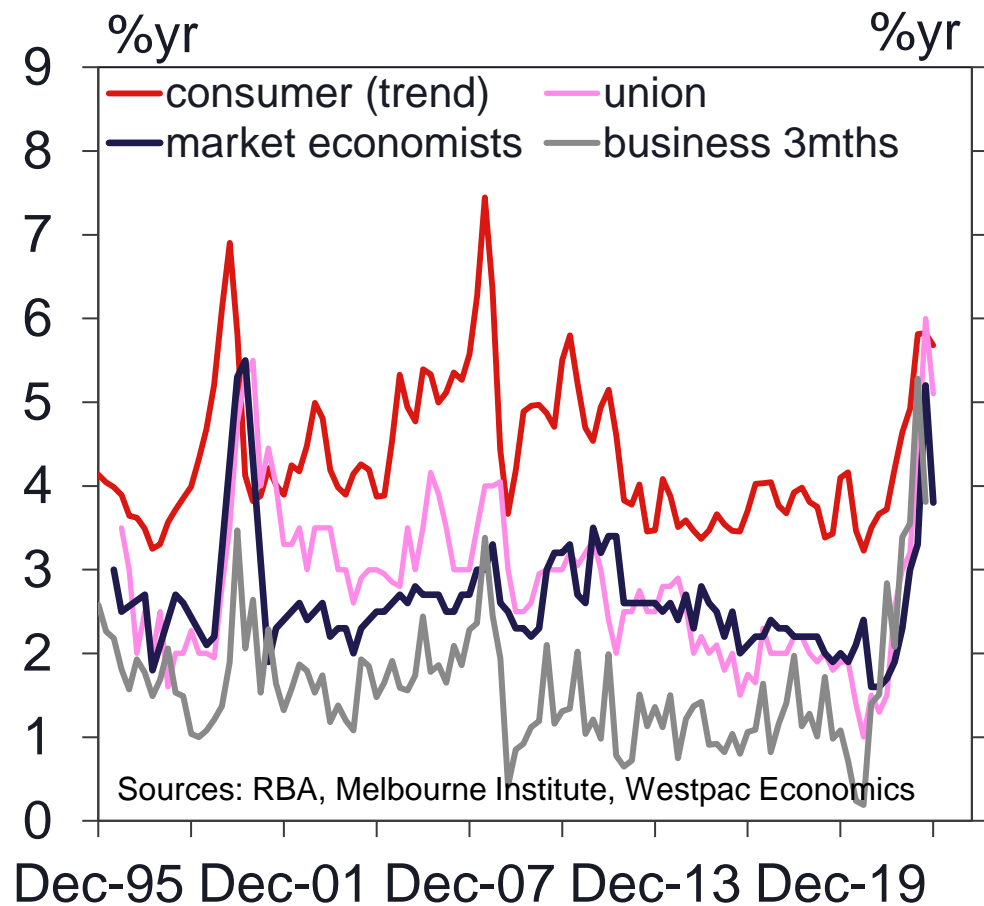
The fall in underutilisation has set in train a lift in wages



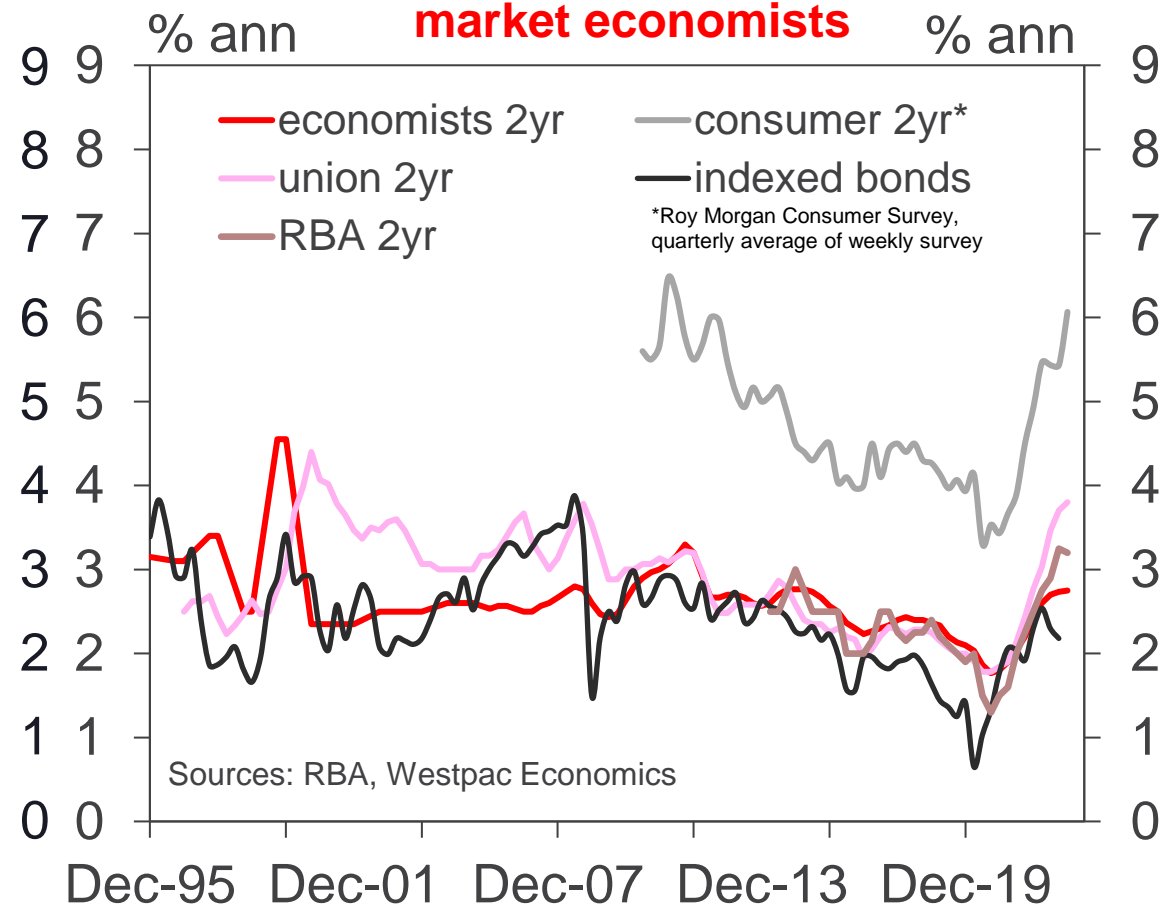
- The earlier fall in underutilisation, and the outsized gain in the minimum wage/awards rates of pay in 2022, have set in train forces that are set to lift wages to around 5% by the second half of 2023.
- The change in underutilisation hits wage inflation with a 2 quarter (six month) lag.
- We see wage inflation peaking in the second half of 2023 as the underutilisation rate starts to lift in early 2023 leading to an easing in wage pressures, thus softer wage outcomes, in late 2023
- This is based on the dynamics we have observed in the labour market for the last 20 year which is most strongly noted in individual wage bargaining arrangements.
- The risk is that higher inflationary expectations become embedded into awards/enterprise bargaining negotiations locking in higher wage claims at a time when unemployment has started to rise.

Near term inflation expectations appear to be peaking

Near term, 1yr, inflation expectations

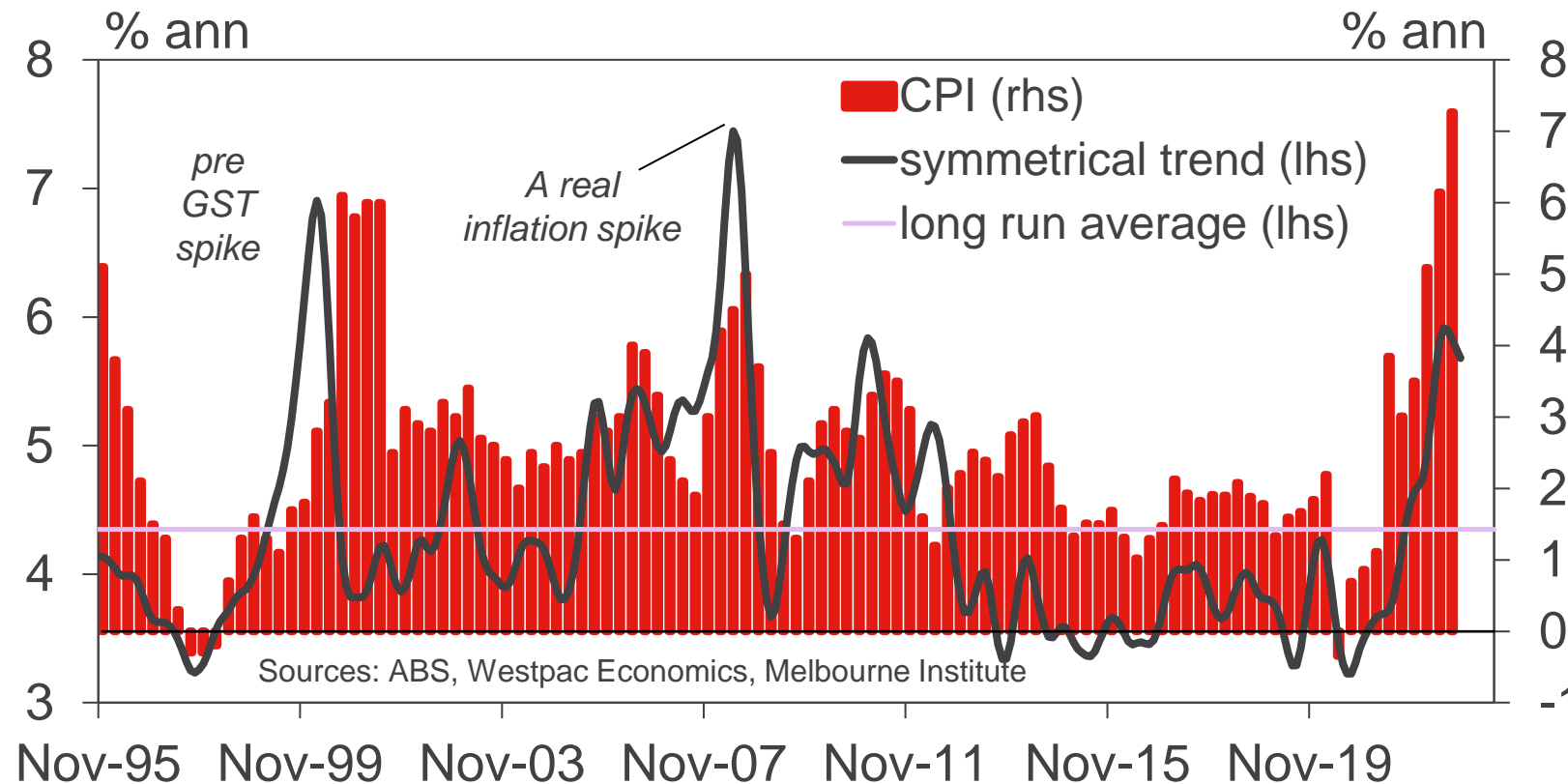


RBA expectations split unions & market economists



Consumer inflation expectations

Not as high as the peak seen during the mining boom

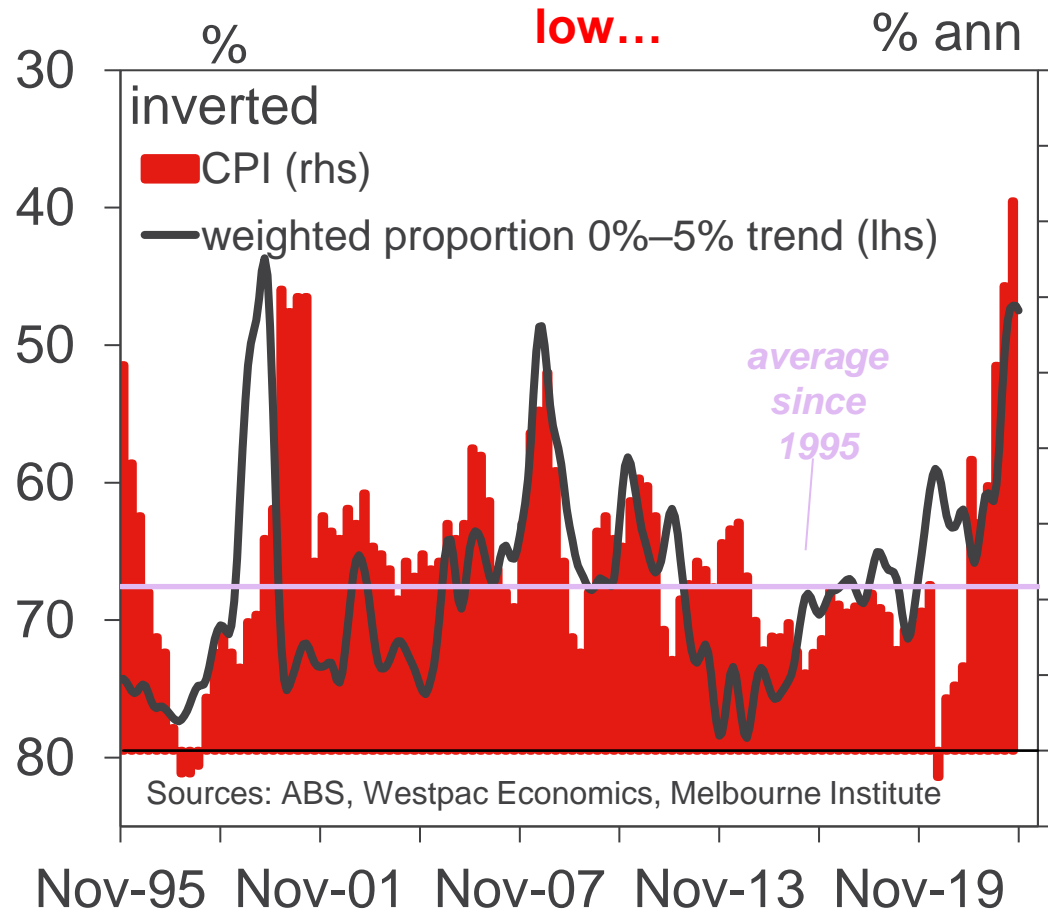


- Near term (1 year) inflationary expectation appear to have found a peak in Q3 2022.
- Business, union and market economist expectation are off their earlier high while consumer expectations are only just starting to tip over. This is consistent with the idea inflation could peak in late 2022 or early 2023.
- However, medium term (2 year plus) expectations, which have not lifted as much as near term expectations, are still yet to set a definitive peak. Consumer expectations are still rising, as are union expectations with the later at a lower level.
- Market economist medium term expectations are flattening while bond market expectations have started to ease.
- The share of those expecting inflation to be within 0%-6% declines, and share of those expecting more than 6% climbs, pointing to greatest increase in inflationary expectations since 2008.
- However, it appears expectations are no worse than they were at the peak of the mining boom.

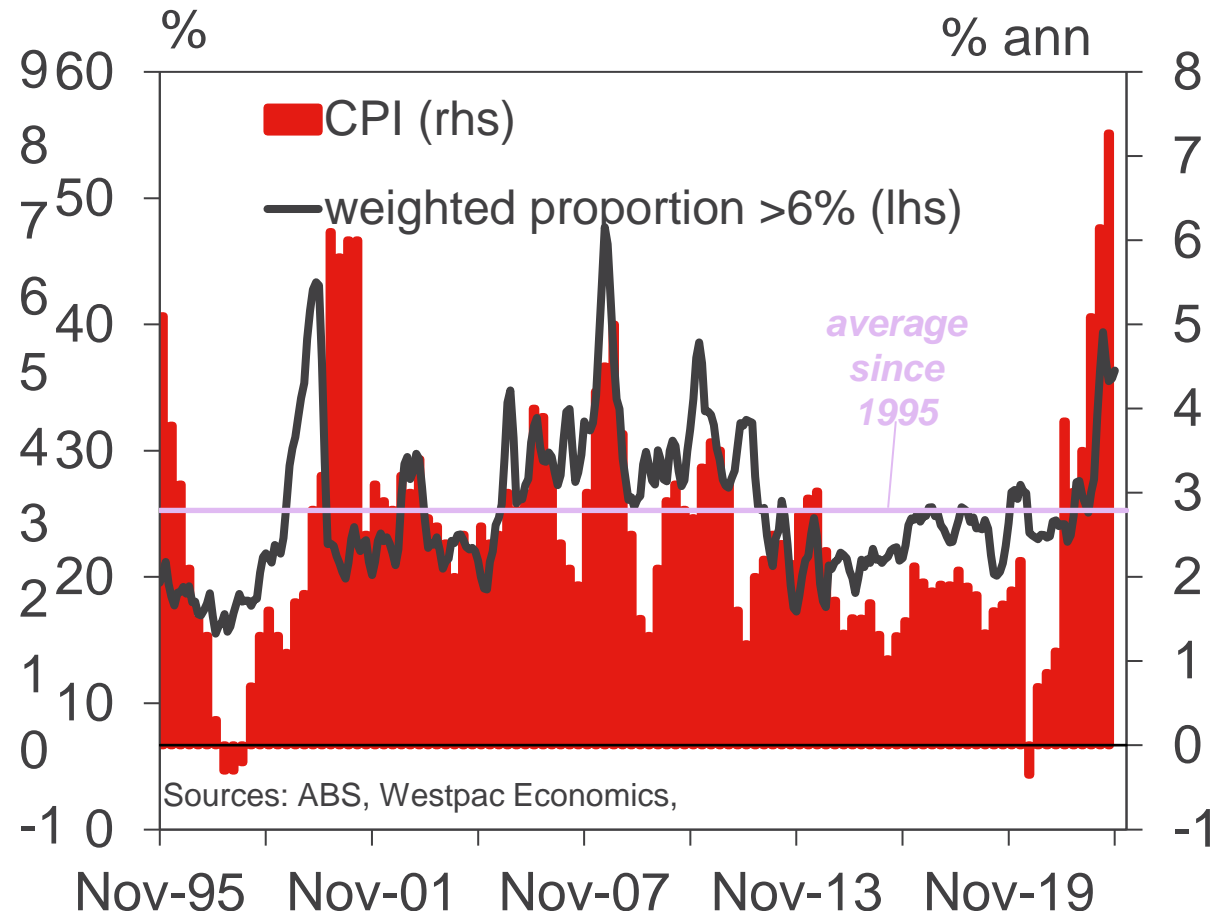
Expectations are breaking out of the 0%-6% range

Share expecting 0-5% abnormally

low...



...as more expect inflation to be > 6%



Peak

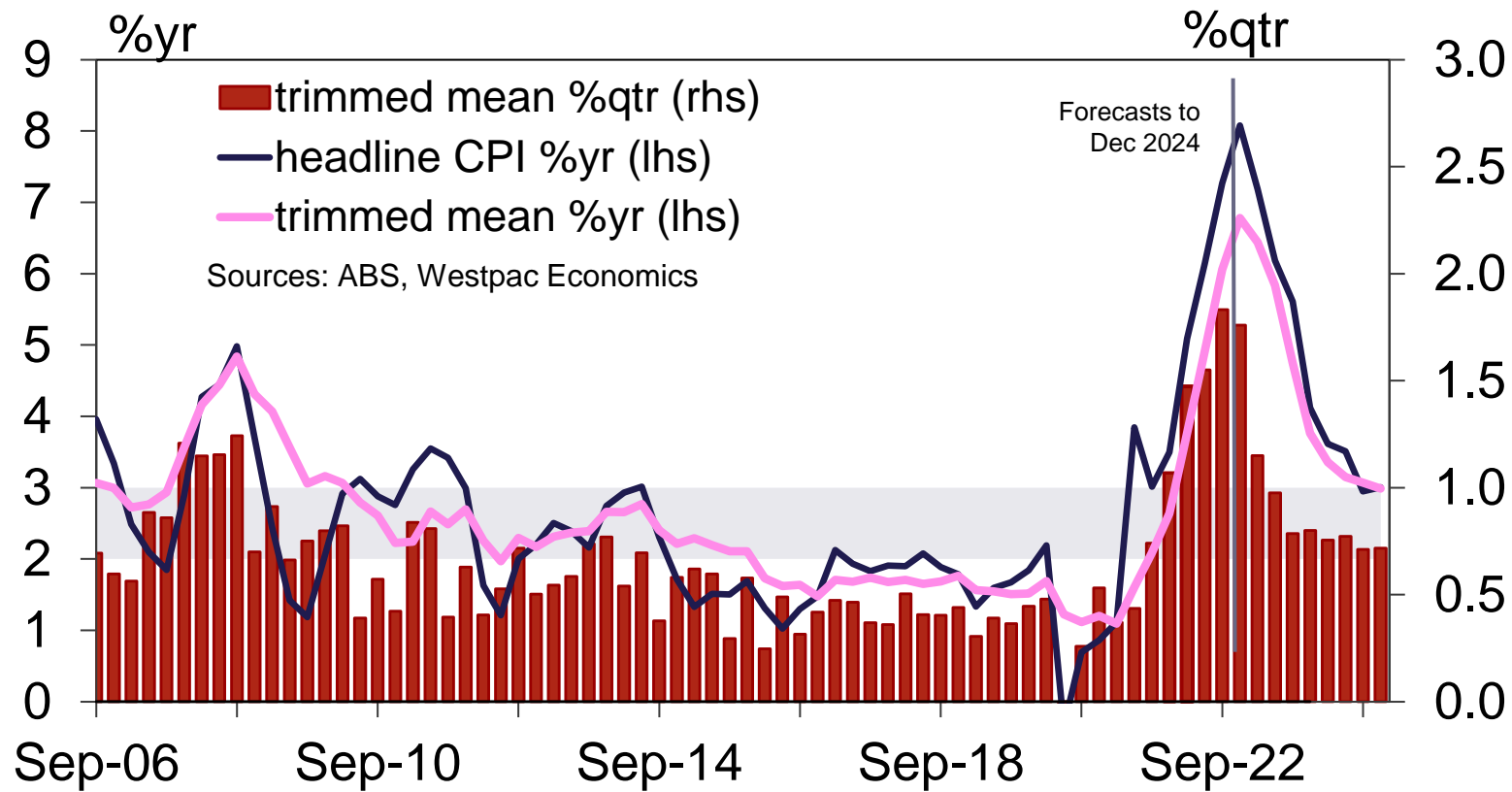
Inflation is now forecast to peak at 8.1%yr in Q4 2022. The reversing of the fuel excise cut, and expiration of power/cost of living rebates, boost inflation in Q4.

Breakdown of next four quarters

	Dec-22		Mar-23		Jun-23		Sep-23	
CPI forecasts								
Item	% qtr	contrib	% qtr	contrib	% qtr	contrib	% qtr	contrib
Food	1.9	0.33	1.4	0.23	0.6	0.10	0.2	0.03
of which, fruit & vegetables	0.6	0.01	2.5	0.06	1.0	0.02	-1.8	-0.05
Alcohol & tobacco	1.6	0.15	0.4	0.04	0.3	0.03	0.2	0.02
of which, Tobacco	2.8	0.11	0.3	0.01	0.2	0.01	0.8	0.03
Clothing & footwear	1.2	0.04	-0.4	-0.01	1.1	0.04	-0.4	-0.01
Housing	3.6	0.84	2.1	0.50	1.5	0.34	3.8	0.90
of which, Rents	1.8	0.12	1.6	0.11	1.3	0.09	1.1	0.07
of which, House purchases	3.5	0.29	2.5	0.21	2.0	0.17	1.5	0.13
of which, Utilities	8.4	0.38	3.1	0.14	1.0	0.04	13.8	0.63
H/hold contents & services	1.5	0.14	-0.3	-0.03	1.8	0.16	0.0	0.00
Health	-0.3	-0.02	2.4	0.16	0.9	0.06	0.0	0.00
of which, Pharmaceuticals	-1.4	-0.02	5.9	0.06	-1.3	-0.01	-2.3	-0.02
Transportation	2.4	0.26	-0.4	-0.04	-0.3	-0.03	0.5	0.05
of which , car prices	1.1	0.03	-0.1	0.00	0.1	0.00	0.0	0.00
of which, auto fuel	5.2	0.19	-2.1	-0.08	-2.5	-0.09	-0.2	-0.01
Communication	0.8	0.02	1.4	0.03	0.4	0.01	0.9	0.02
Recreation	2.6	0.23	0.5	0.05	0.7	0.06	1.4	0.12
of which, audio visual & computing	0.9	0.02	-0.8	-0.01	0.8	0.01	0.8	0.02
of which, holiday travel	6.8	0.15	-0.3	-0.01	-0.3	-0.01	2.8	0.06
Education	0.0	0.00	5.9	0.28	0.0	0.00	0.1	0.00
Financial & insurance services	1.8	0.09	1.7	0.09	1.5	0.08	1.6	0.08
CPI: All groups	2.10	—	1.30	—	0.83	—	1.27	—
CPI: All groups % year	8.08	—	7.18	—	6.19	—	5.61	—
Core inflation	%qtr	%qtr	%qtr	%qtr	%yr	%yr	%yr	%yr
	Dec-22	Mar-23	Jun-23	Sep-23	Dec-22	Mar-23	Jun-23	Sep-23
CPI seasonally adjusted	2.26	1.14	0.90	1.19	8.2	7.2	6.3	5.6
CPI ex housing	1.23	0.78	0.47	0.30	6.4	5.1	4.0	2.8
Weighted median	1.75	1.20	1.03	0.96	5.8	5.9	5.5	5.0
Trimmed mean	1.80	1.15	0.98	0.78	6.8	6.5	5.9	4.8
Average RBA core	1.78	1.18	1.00	0.87	6.3	6.2	5.7	4.9
Traded good & services	1.7	0.1	0.5	0.4	9.0	6.1	3.9	2.8
Non-traded goods & services	2.3	2.0	1.1	1.8	7.7	7.9	7.6	7.3

End 2022 to see the peak in inflation

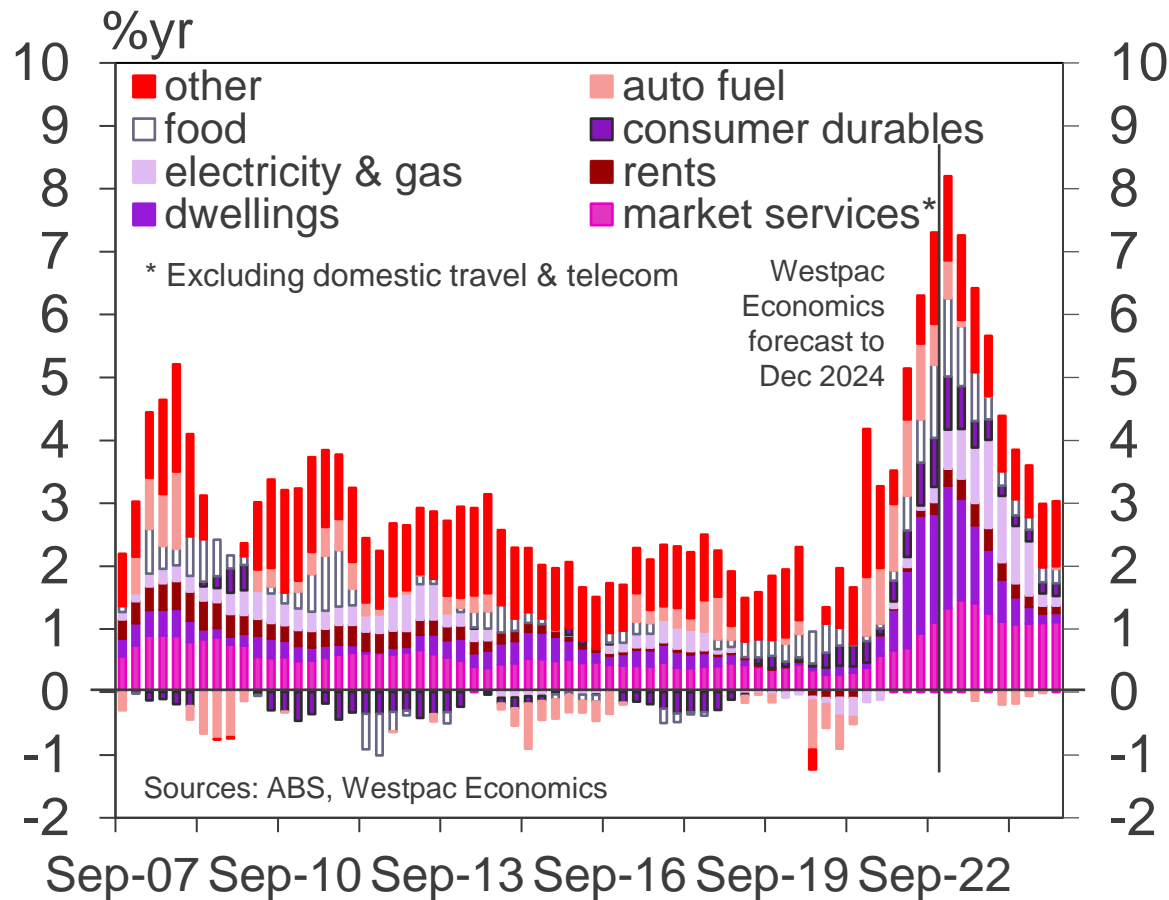
Moderating dwellings, falling fuel



- Key to why our inflation forecasts peak in late 2022 then moderate through 2023;
- Food prices stabilise through 2023 as seasonal conditions stabilise and supply chains improve.
- Durable goods pressure ease as global supply chains improve & freight rates come down.
- Dwelling price inflation moderates in the face of falling established home prices.
- Car price flatten as supply chains improve.
- Auto fuel prices ease on the back of falling crude oil prices.
- Rising unemployment and below trend growth in 2023 and 2024 widen the output gap shifting the macro settings from being inflationary to disinflationary.
- Why the big gap between our end 2023 CPI forecast (4.1%) and the RBA (4.7%)?
- We suspect it is the RBA's assumptions for steady crude oil prices, a stable currency (we have crude falling and AUD strengthening) as well as our larger widening of the output gap that explains the difference.

Contribution to annual inflation

Market services holding up inflation

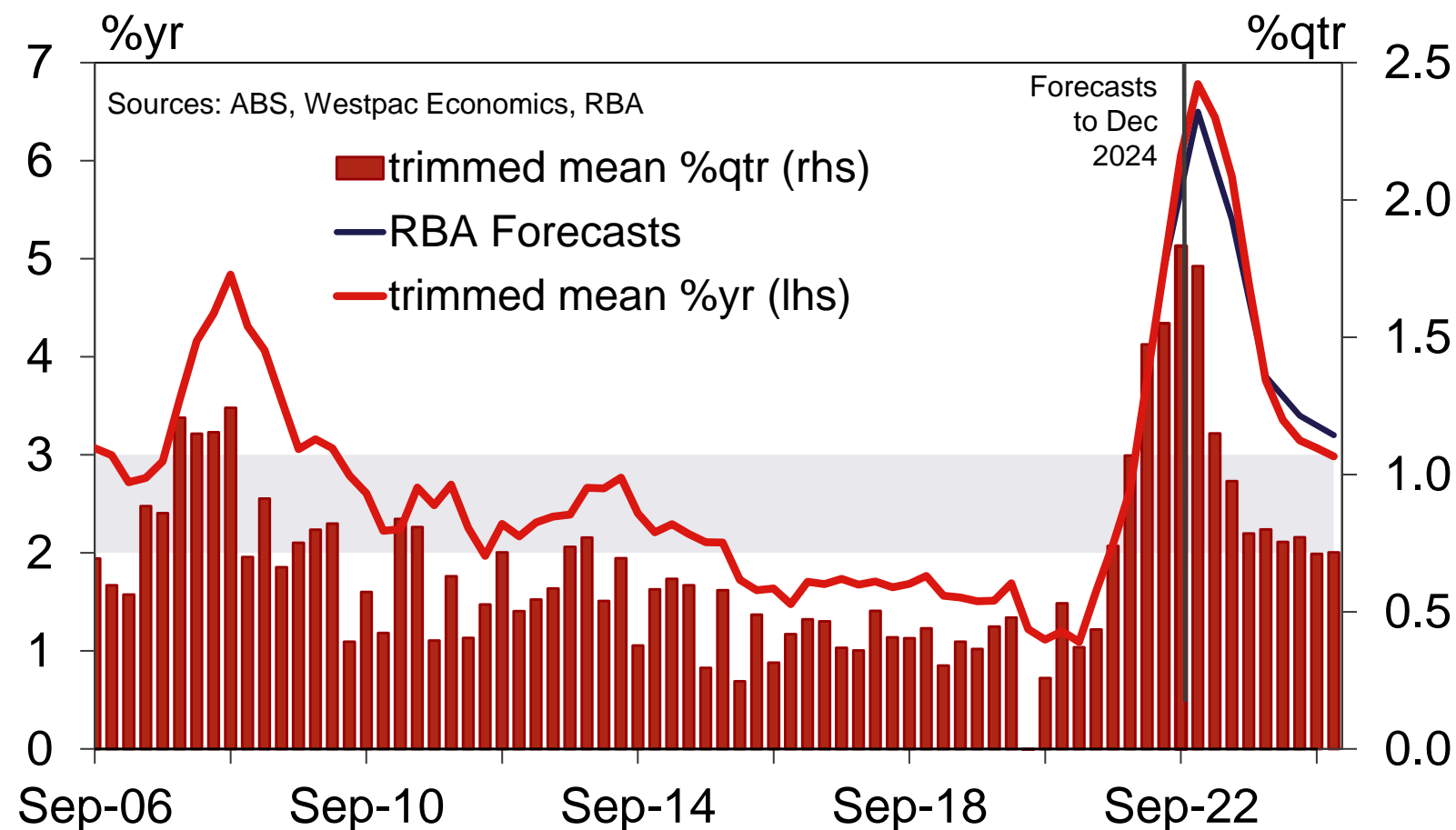


CPI forecasts		Dec-22		Dec-23	
Item		%yr	contrib	%yr	contrib
Food		10.0	1.76	2.9	0.49
of which, fruit & vegetables		16.7	0.44	1.0	0.02
Alcohol & tobacco		4.7	0.42	2.3	0.20
of which, Tobacco		5.9	0.21	5.0	0.18
Clothing & footwear		3.9	0.13	0.1	0.01
Housing		11.9	2.99	7.9	2.06
of which, Rents		4.4	0.27	4.6	0.28
of which, House purchases		18.6	1.95	6.3	0.67
of which, Utilities		14.1	0.64	18.7	1.04
H/hold contents & services		7.9	0.75	2.0	0.18
Health		2.6	0.16	3.0	0.18
of which, Pharmaceuticals		1.3	0.01	0.0	0.00
Transportation		8.5	0.94	-0.4	-0.04
of which , car prices		3.8	0.11	-0.3	-0.01
of which, auto fuel		16.1	0.60	-5.9	-0.20
Communication		2.7	0.06	3.3	0.08
Recreation		6.0	0.52	4.6	0.39
of which, audio visual & computing		2.2	0.04	0.3	0.01
of which, holiday travel		12.5	0.27	8.0	0.18
Education		4.5	0.20	6.1	0.28
Financial & insurance services		4.7	0.27	6.6	0.38
CPI: All groups		8.1	-	4.1	-

Peak

Core inflation to peak in late 2022 with the pace continuing to moderate out to 2023.

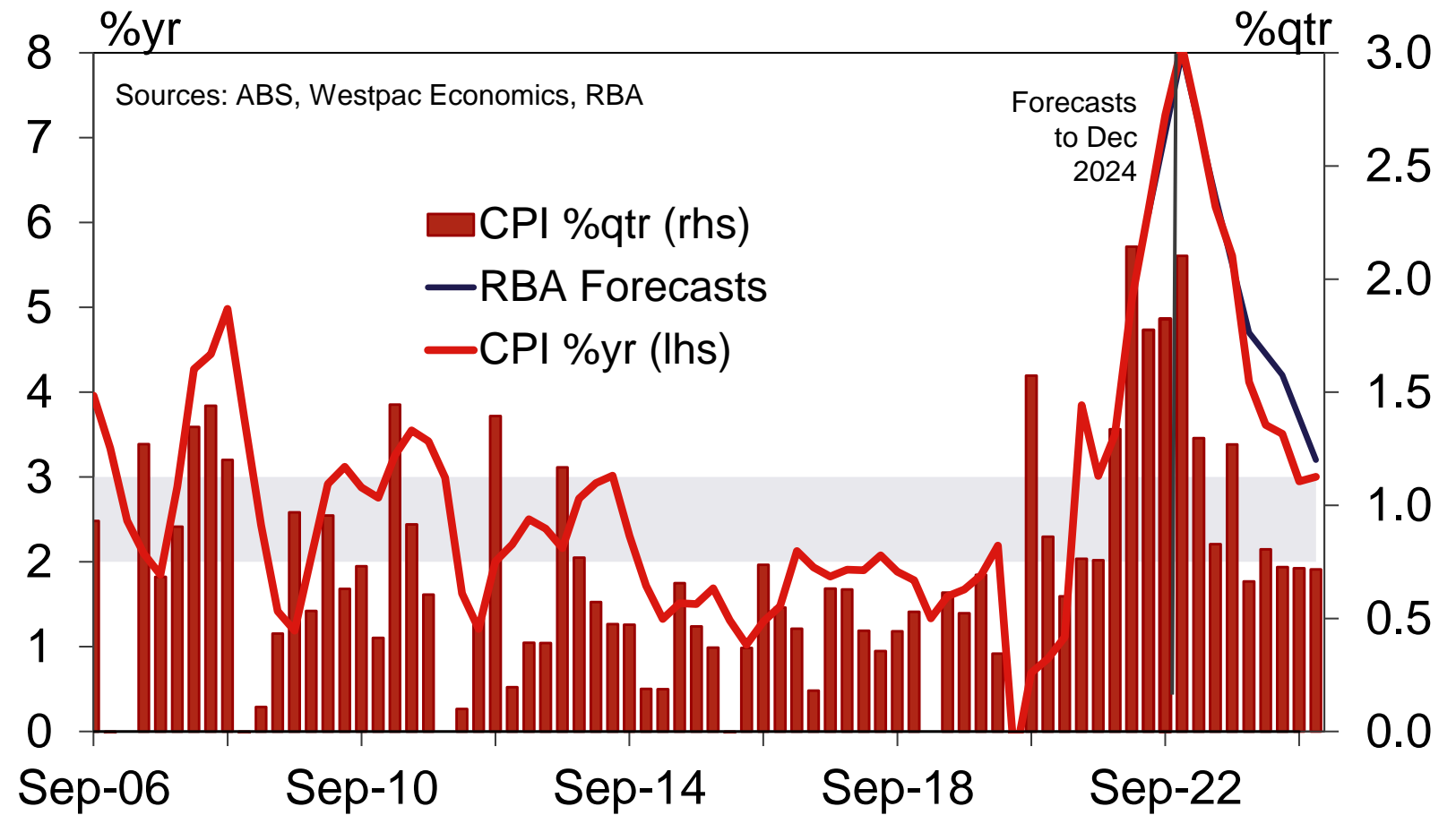
Westpac vs. RBA core inflation forecasts



Crude

The decline in crude oil prices is critical to the decline in headline inflation. Domestic economic slack will enhance the disinflationary pulse as will the moderation in energy price inflation in 2024.

Westpac vs. RBA CPI forecasts



Macroeconomic factors & inflation

Disinflationary to end 2023 then modestly inflationary

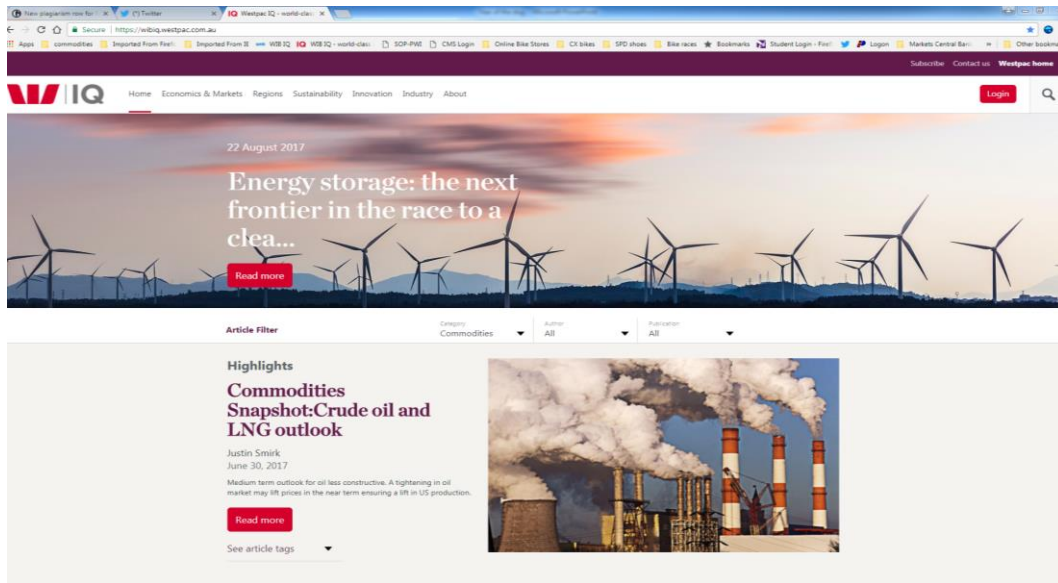
	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24
AUD/USD	0.65	0.66	0.67	0.68	0.71	0.73	0.74	0.74	0.75
AUD/USD %yr	-10.9	-9.4	-6.7	0.0	9.4	10.7	10.5	8.3	5.2
TWI	61.2	61.2	61.0	61.5	62.8	62.9	63.4	62.8	63.2
TWI %yr	-0.4	0.0	-2.7	-1.8	2.6	2.9	3.9	2.1	0.7
Brent US\$bbl	92	87	86	89	91	95	102	108	113
Brent %yr	16.5	-9.3	-21.4	-6.8	-0.8	10.0	18.5	21.7	24.1
Output gap t-3	0.93	0.31	-0.13	-0.40	-0.48	-0.57	-0.63	-0.65	-0.56

Consumer Price Index		Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24
CPI	(index)	131.1	132.8	133.9	135.6	136.5	137.6	138.6	139.6	140.6
	(%qtr)	2.1	1.3	0.8	1.3	0.7	0.8	0.7	0.7	0.7
	(%yr)	8.1	7.2	6.2	5.6	4.1	3.6	3.5	2.9	3.0
Trimmed mean#	(%qtr)	1.8	1.1	1.0	0.8	0.8	0.8	0.8	0.7	0.7
	(%yr)	6.8	6.5	5.9	4.8	3.8	3.4	3.2	3.1	3.0

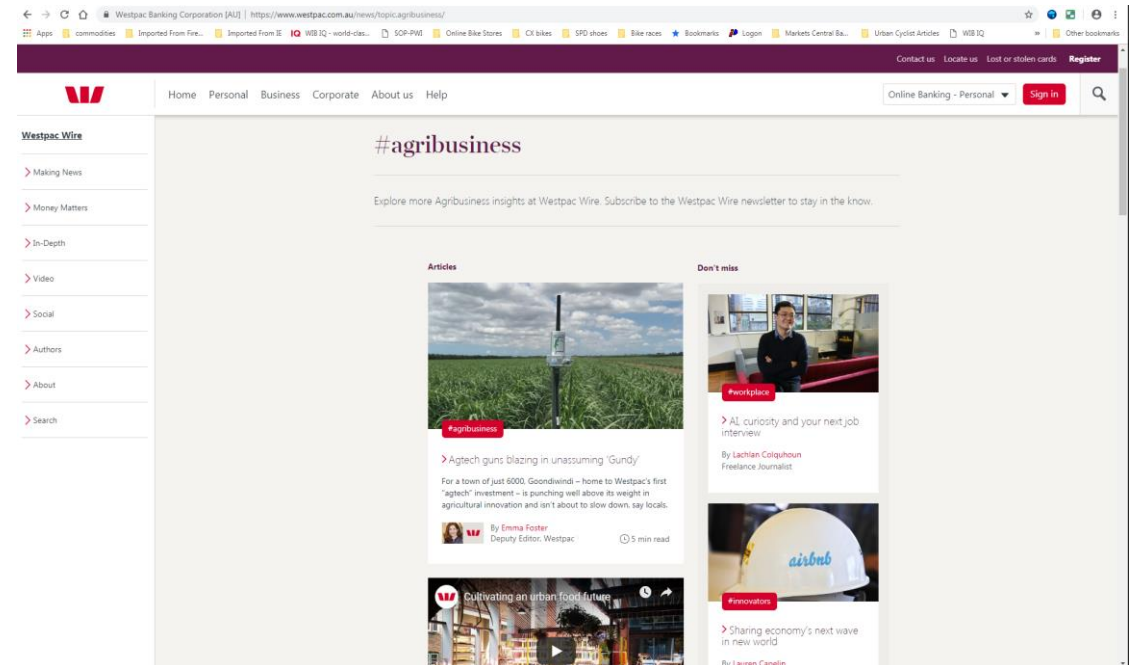
- The currency shifts from being inflationary force to disinflationary in the second half of 2023.
- Crude oil is set to move into an inflationary pulse as we move through 2023.
- As unemployment starts to rise thought 2023 the lagged impact of the widening of the output gap, should start to appear as a moderation in the pace of inflation as 2023 ends.
- Moving into 2024 wage inflation should also be moderating adding another leg to the disinflationary dimension unfolding.

Westpac IQ & Westpac Wire

Home of our research and commentary.



www.wibiq.westpac.com.au



<https://www.westpac.com.au/news/>



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 client of Westpac.

For XYLO Foreign Exchange clients: This information is provided to you solely for your own use and is not to be distributed to any third parties. XYLO Foreign Exchange is a division of Westpac Banking Corporation ABN 33 007 457 141 and Australian credit licence 233714. Information is current as at date shown on the publication. This information has been prepared without taking account of your objectives, financial situation or needs. Because of this you should, before acting on this information, consider its appropriateness, having regard to your objectives, financial situation or needs. XYLO Foreign Exchange's combined Financial Services Guide and Product Disclosure Statement can be obtained by calling XYLO Foreign Exchange on 1300 995 639, or by emailing customer care@XYLO.com.au.

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.

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 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).



Disclaimer continued

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. Strict 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. reasonable 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 be 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. self-regulatory 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.

