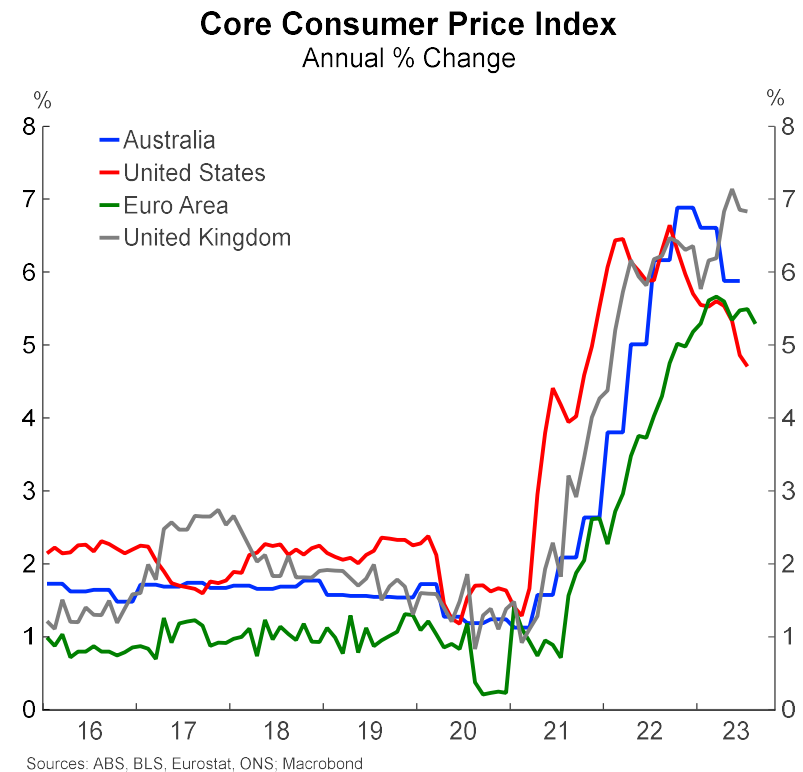
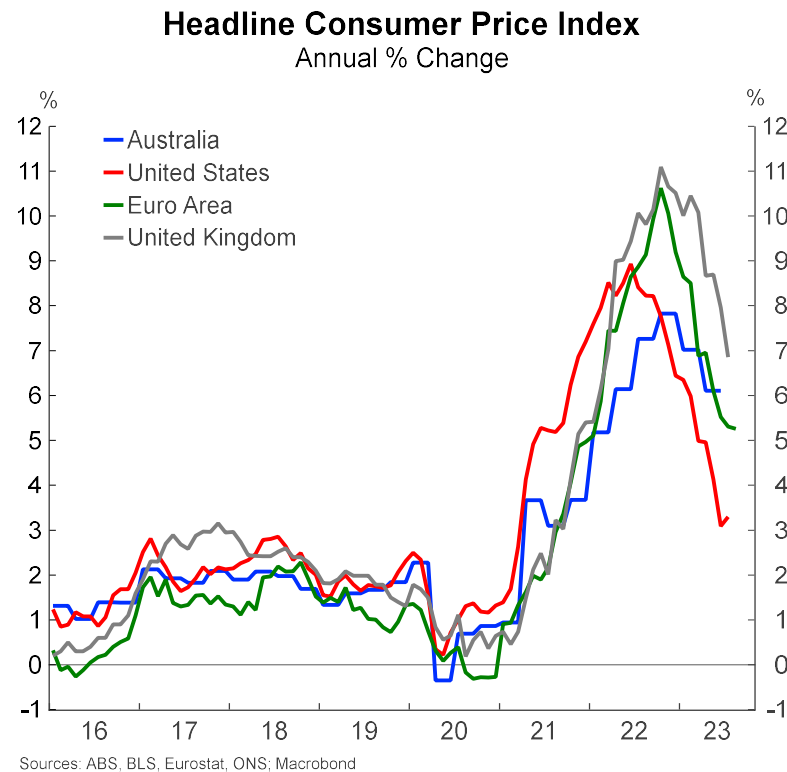

Economic Outlook: Higher for How Long?

Jameson Coombs, Economist

5 September 2023



The World is Fighting an Inflation Problem

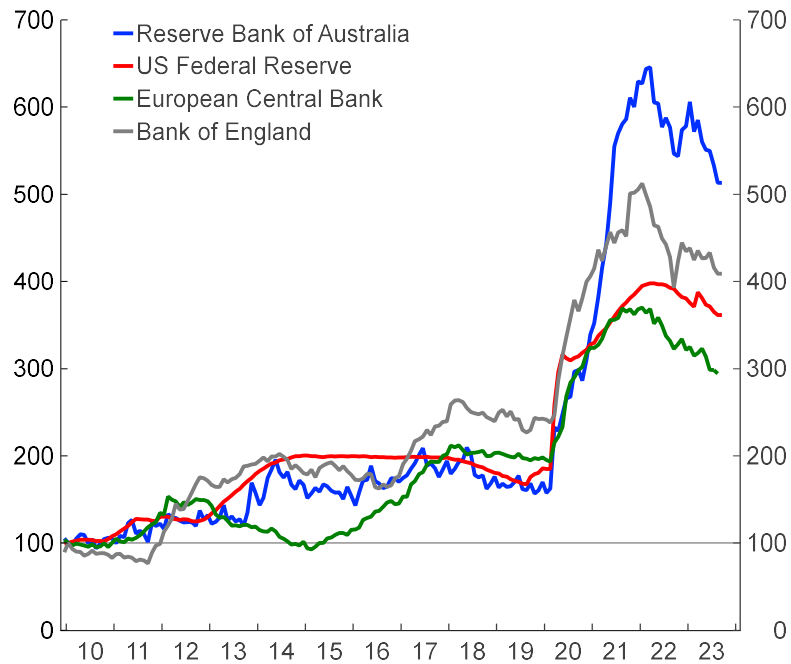


And It's Easy to See Why...



Major Central Bank Balance Sheets

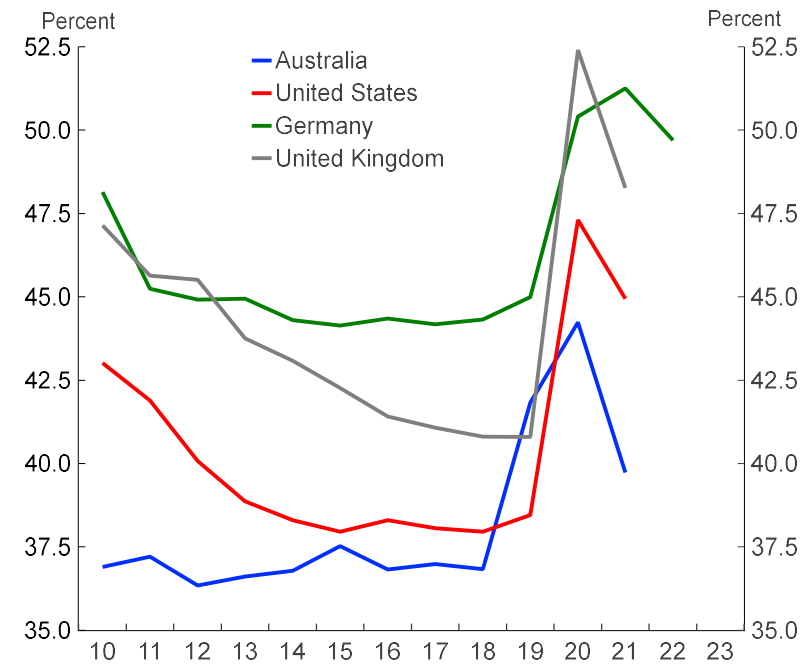
Index, 2010 = 100



Sources: ECB, BOJ, BoE, Fed, SNB, PBoC, RBA, Macrobond

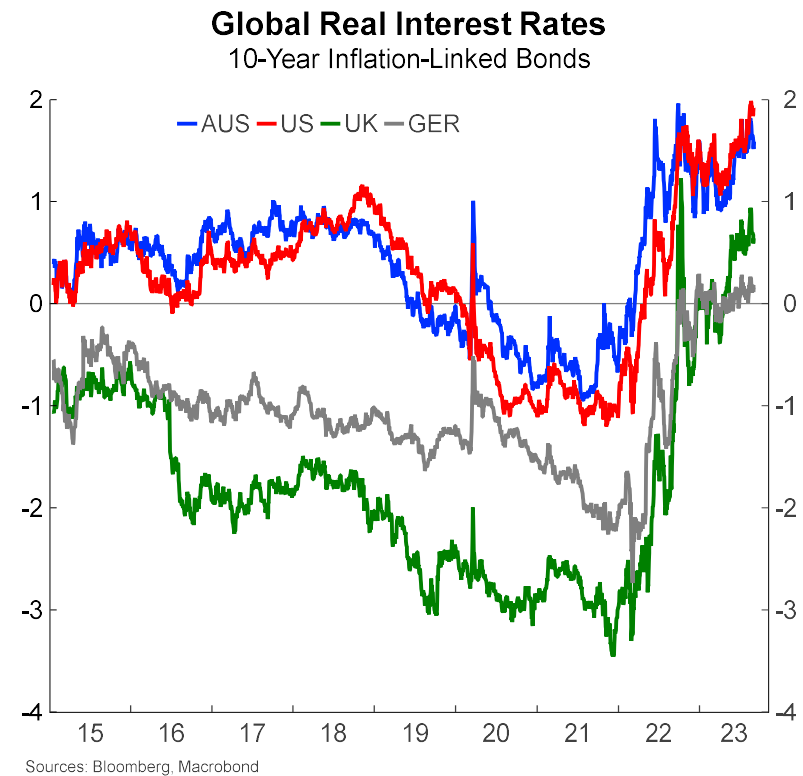
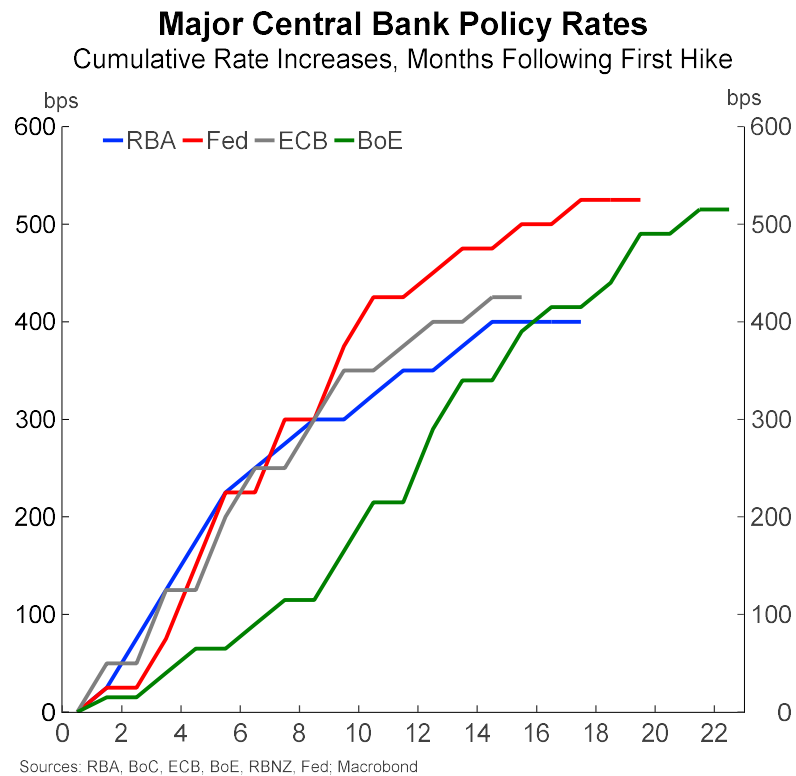
General Government Expenditure

% of GDP



Sources: OECD, Macrobond

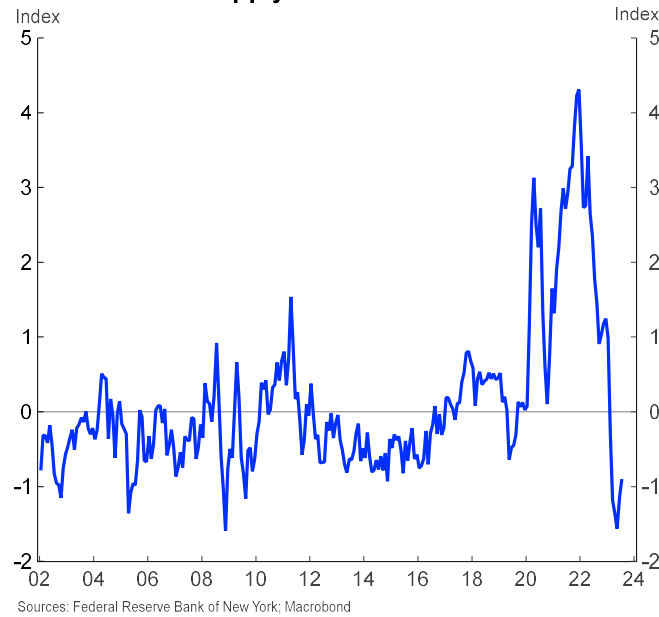
Now Central Banks are Trying to Reign the Stimulus Back In



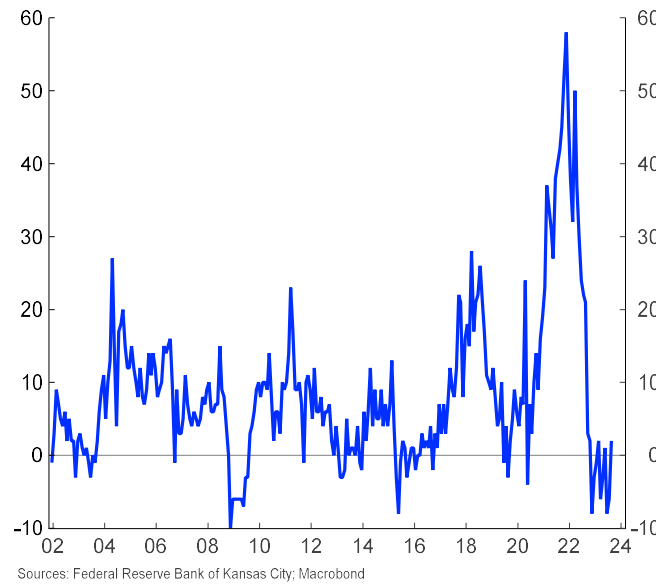
And the Supply Curve is Shifting Back



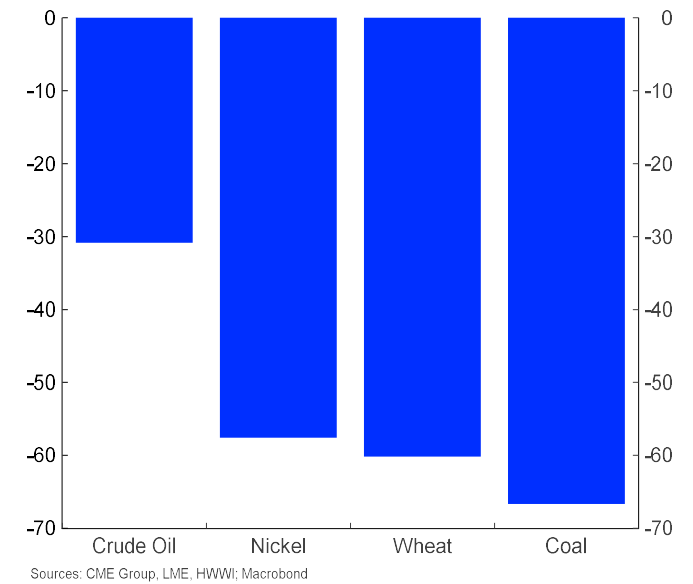
Global Supply Chain Pressure Index



US Supplier Delivery Times
Monthly

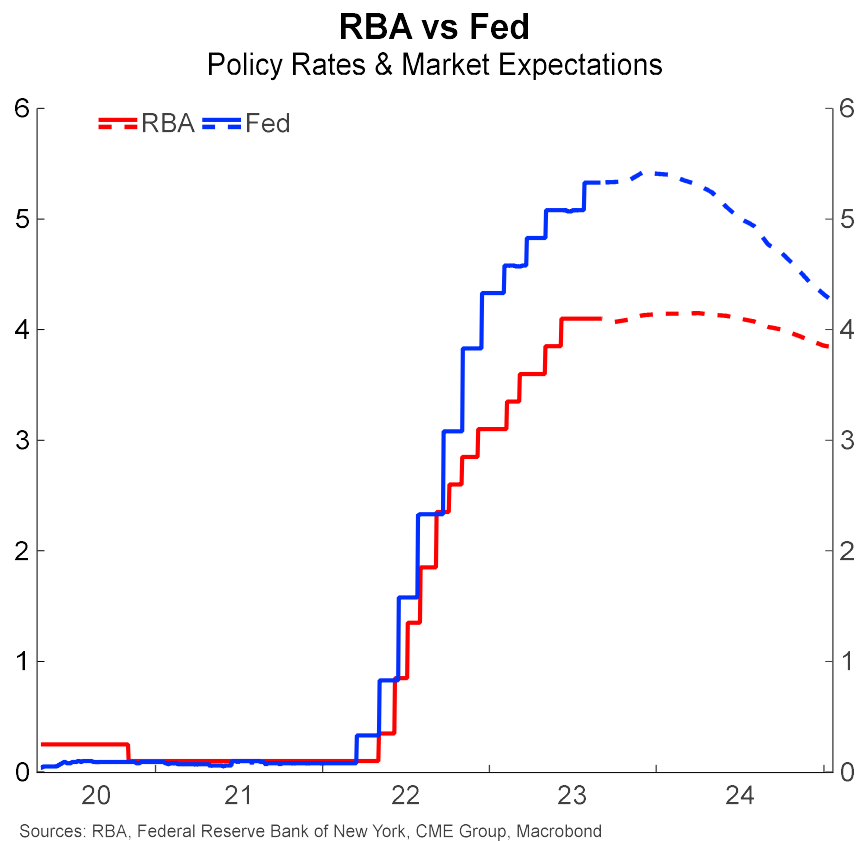


Commodity Prices
% Change from Recent Peak



1. Have central bank's done enough to tame inflation?
2. What will be the cost of bringing inflation down? Recession?

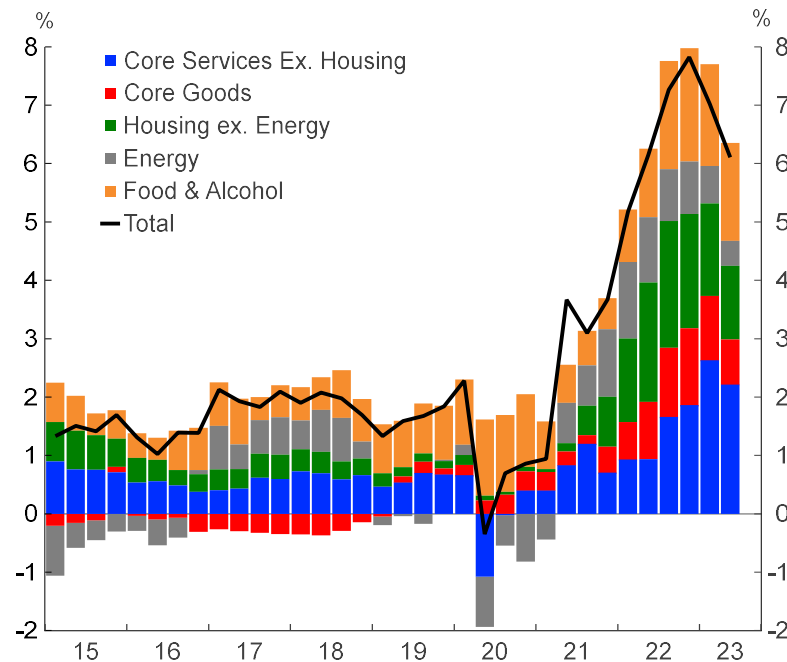
Central Bankers Trying the Up and Hold Approach



The Battleground has Shifted – Services are Key

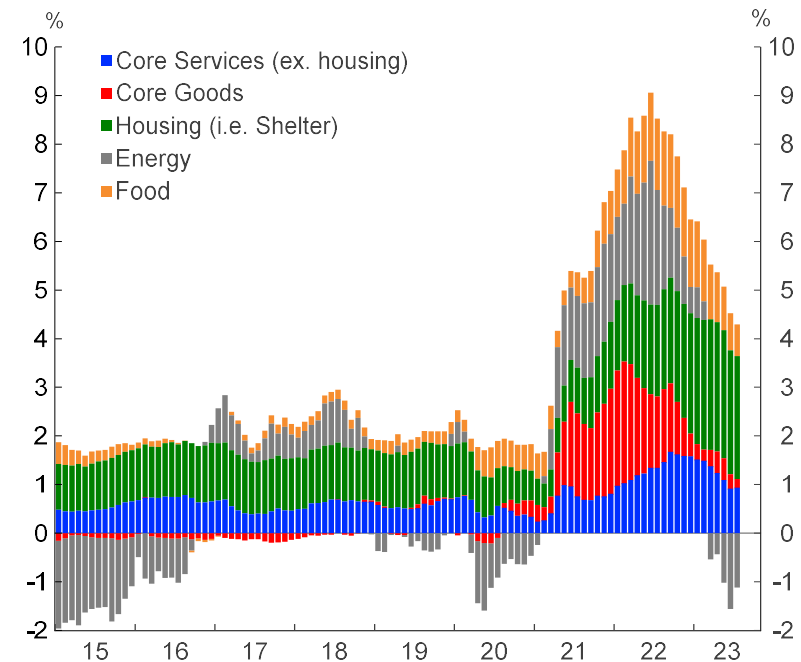


AUS Consumer Price Index
Contribution to Annual Growth



Sources: ABS, Macrobond

US Consumer Price Index
Contribution to Annual Growth

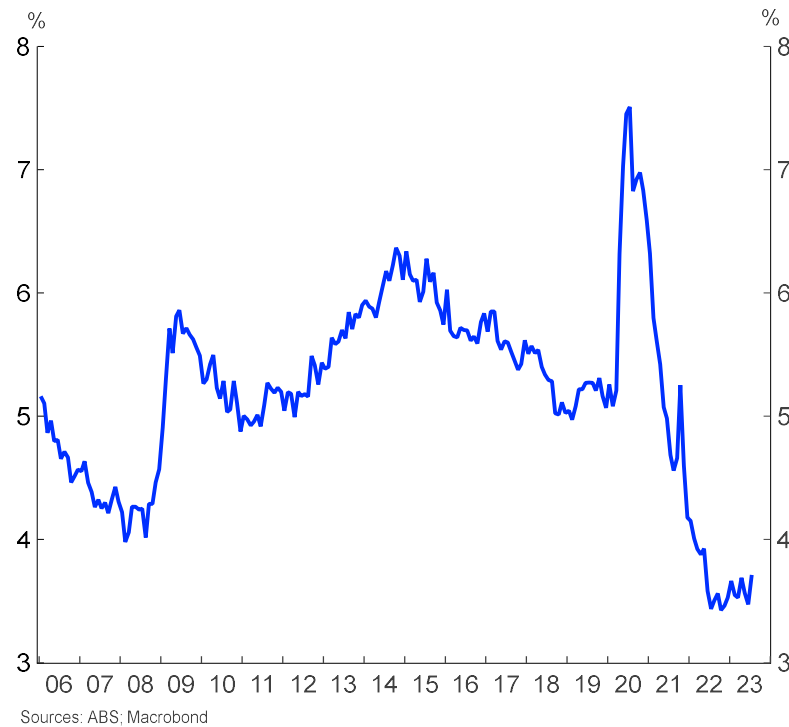


Sources: BLS, Macrobond

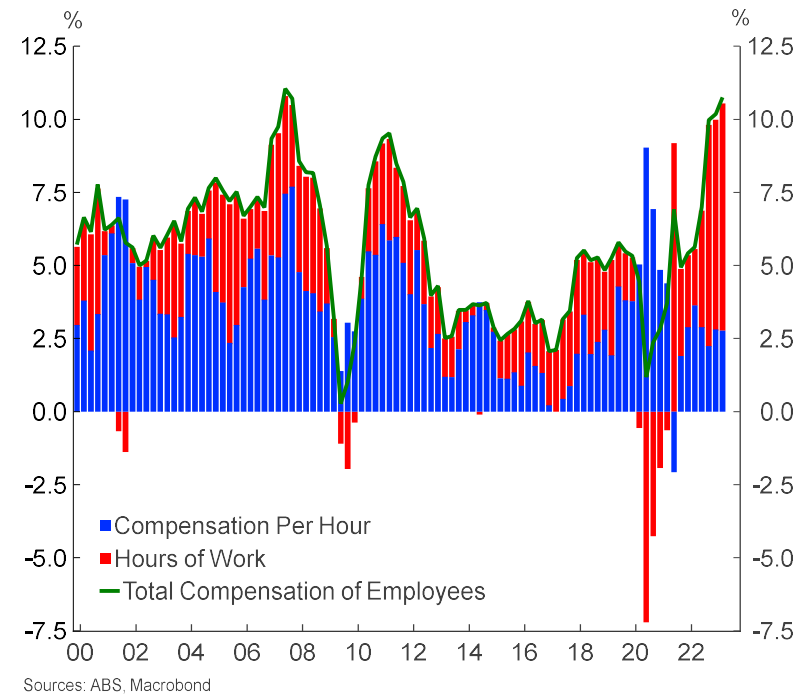
Wages Watch – Resilience is a Double-Edged Sword



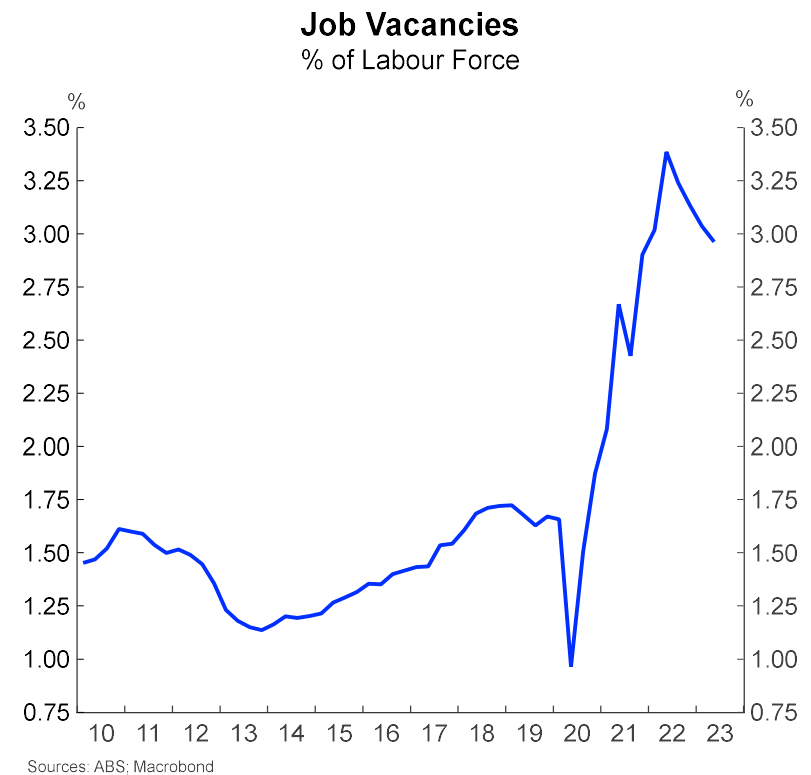
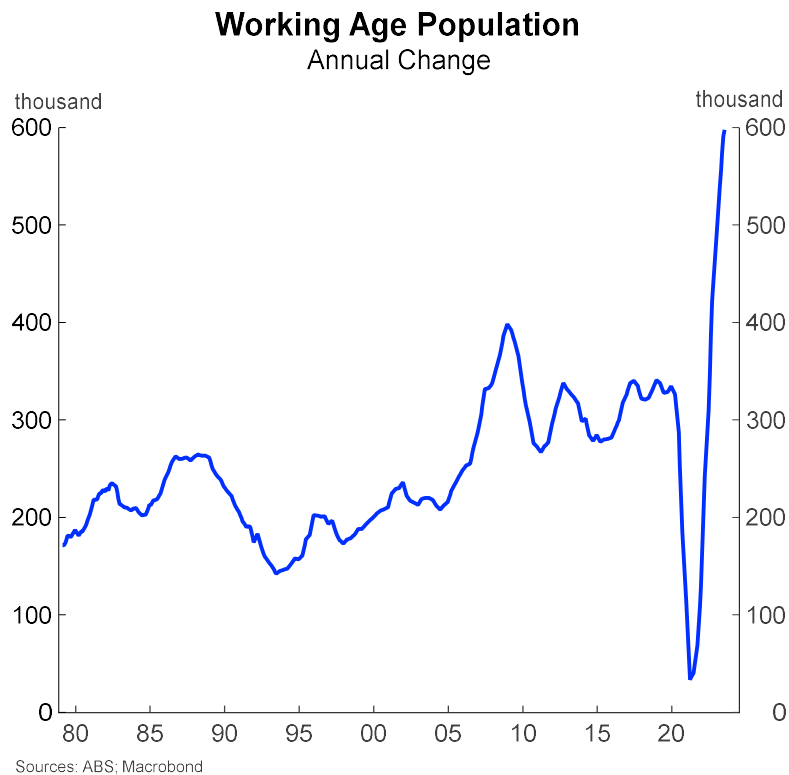
Unemployment Rate



Compensation of Employees
Annual % Change



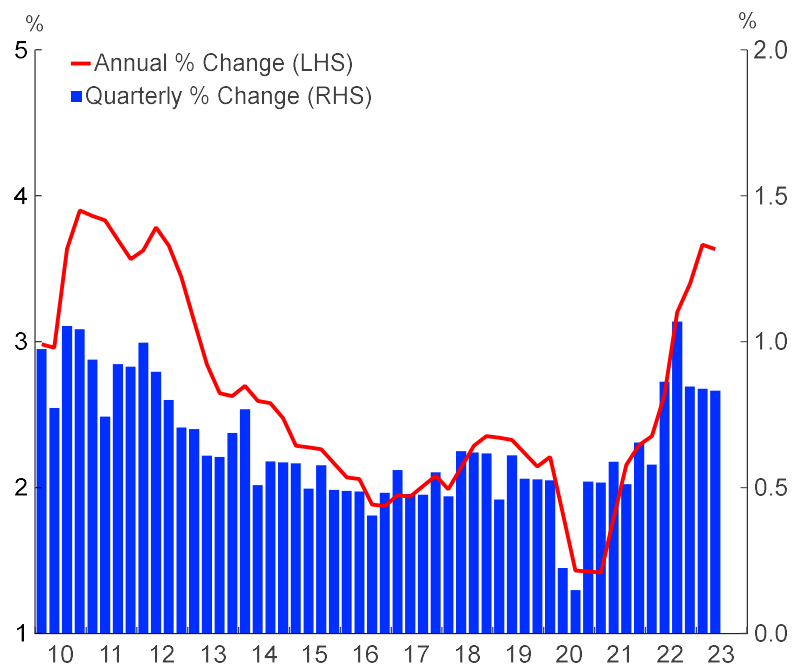
Supply and Demand are Converging



A Wage-Price Spiral Unlikely

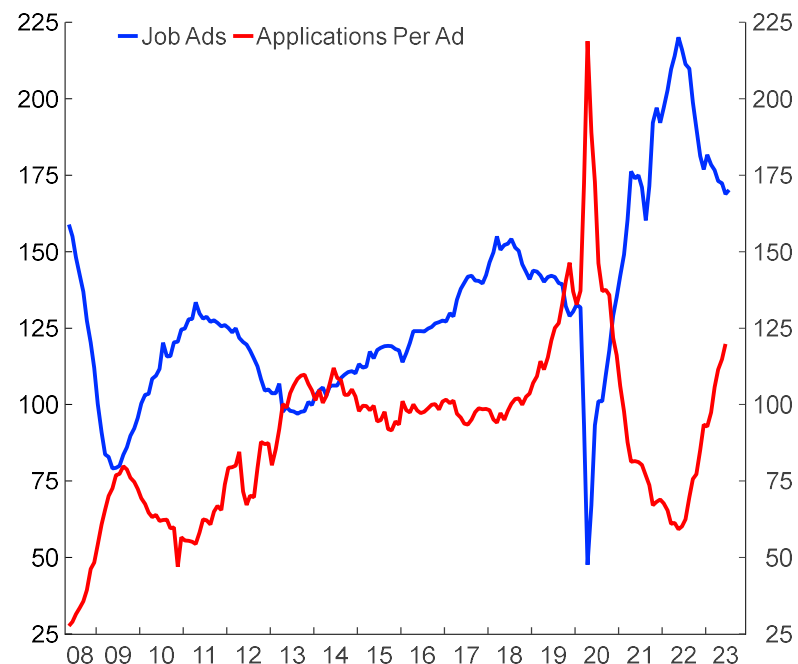


Wage Price Index
% Change



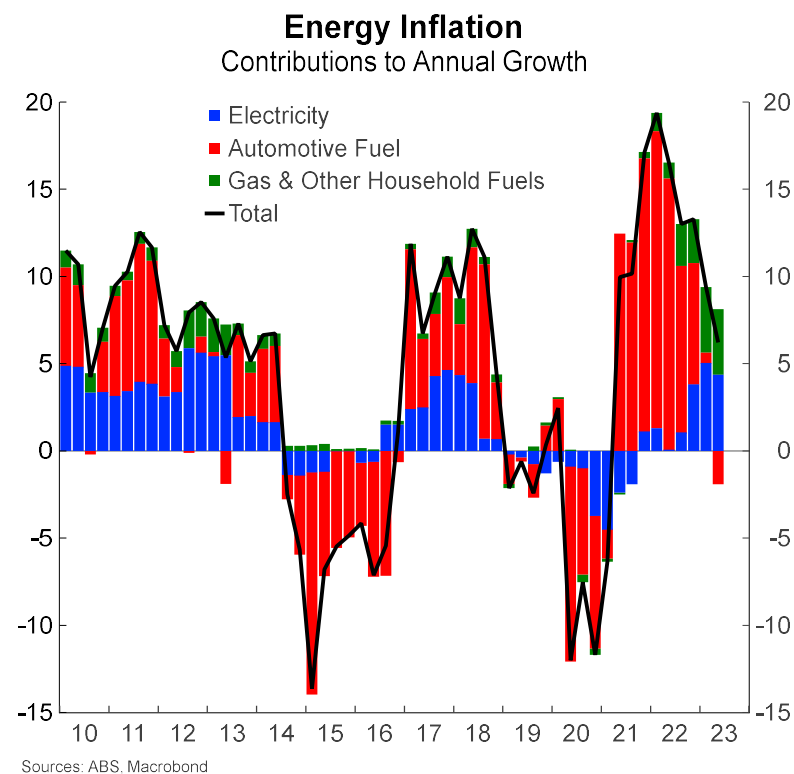
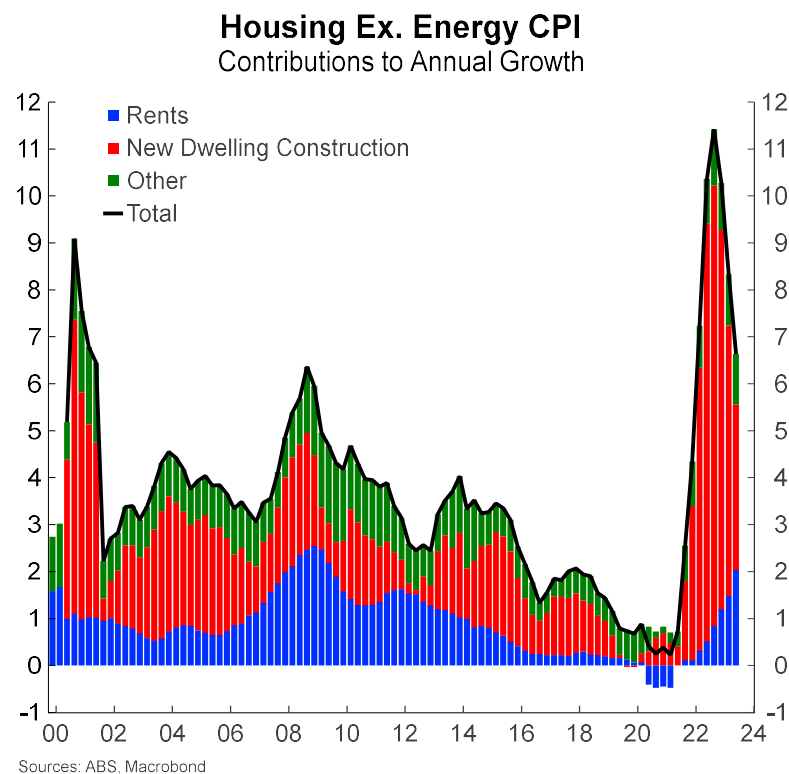
Sources: ABS; Macrobond

Job Ads & Applicants
Index, SA

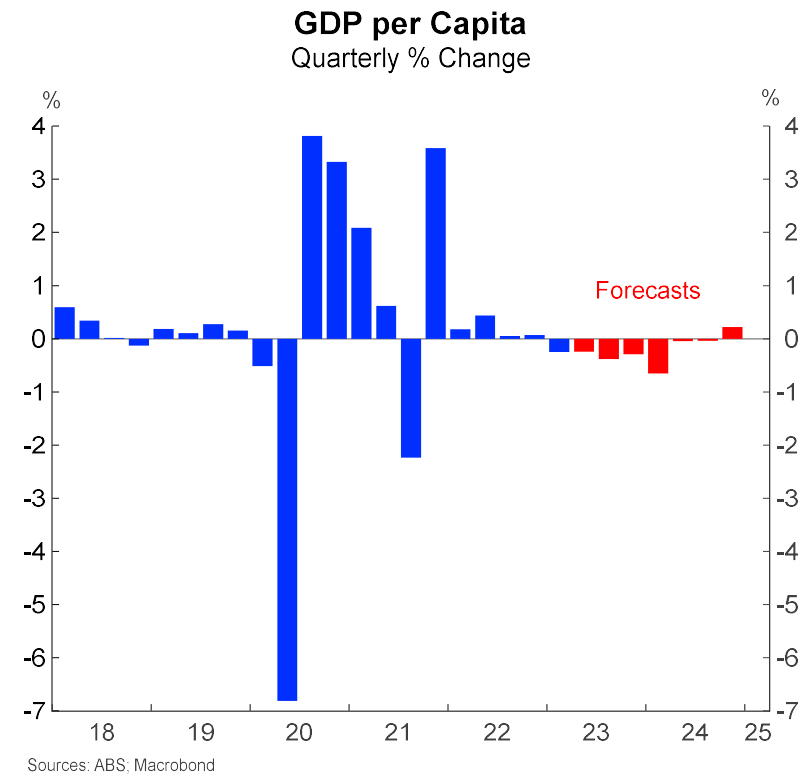
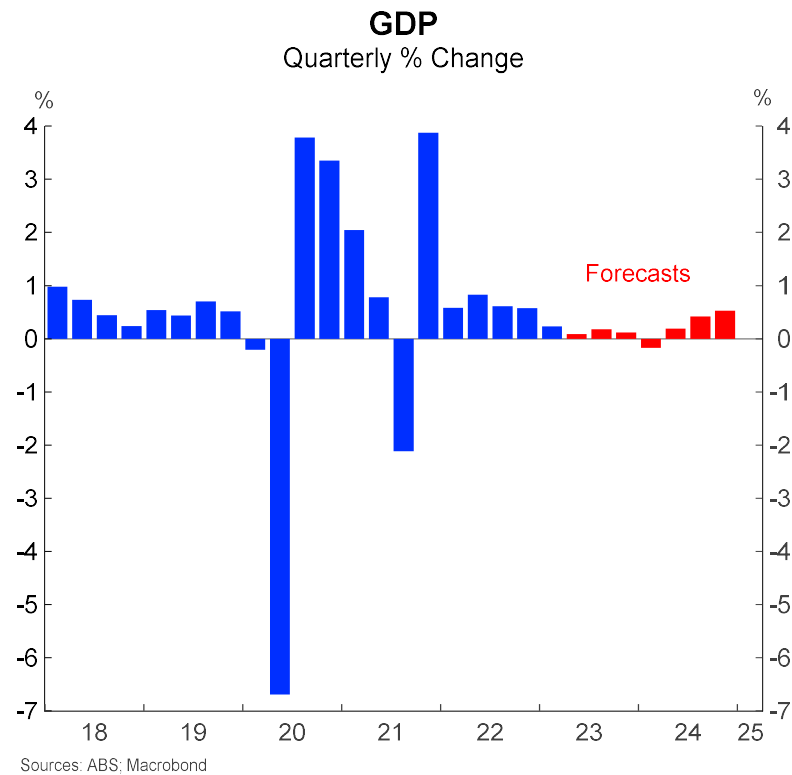


Sources: SEEK Australia; Macrobond

The Last Mile is Always Hardest – Inflation Risks?



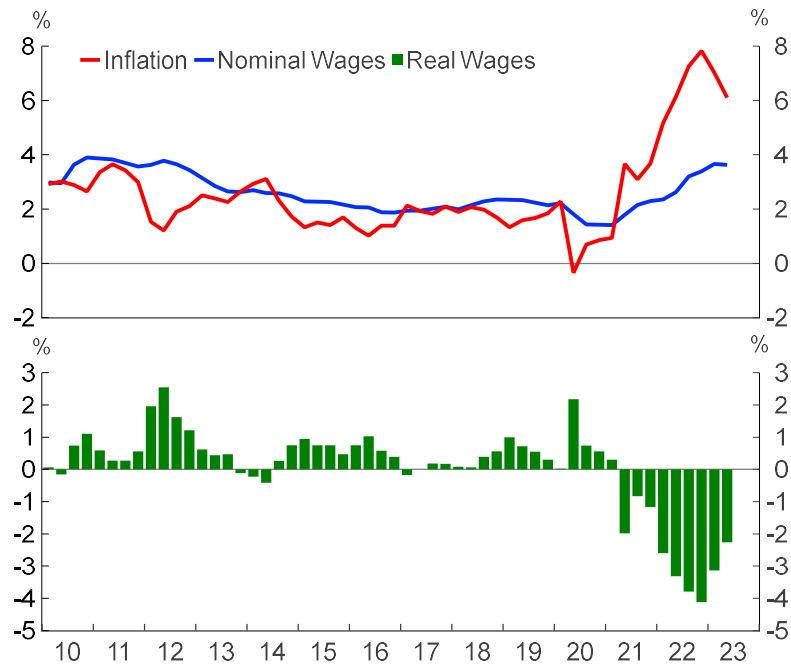
The Cost is Yet to be Borne



Inflation and Rates Double Whammy



Nominal vs Real Wages Growth
Annual % change



Sources: ABS, Macrobond

Scheduled Mortgage Repayments
% Share of Disposable Income

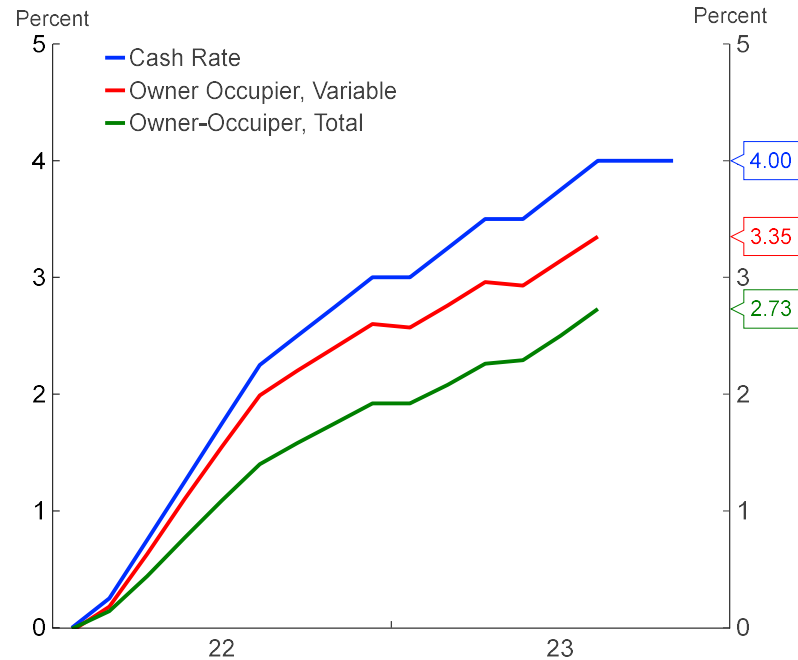


Sources: RBA, Macrobond

And There is More to Come Even Without Additional Hikes



Housing Lending Rates vs Cash Rate
Change Since April 2022

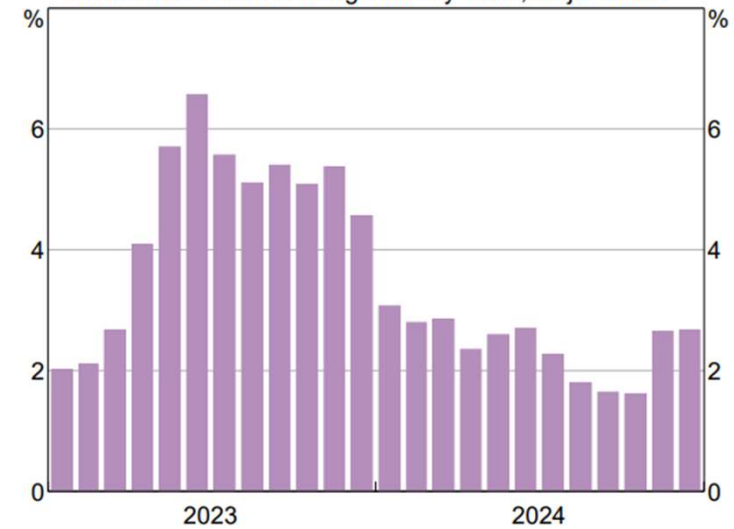


Sources: RBA, Macrobond

Graph 3.22

Expiring Fixed-rate Housing Loans*

Share of fixed-rate housing loans by value; major banks**



* Loans expiring beyond 2024 not available monthly.

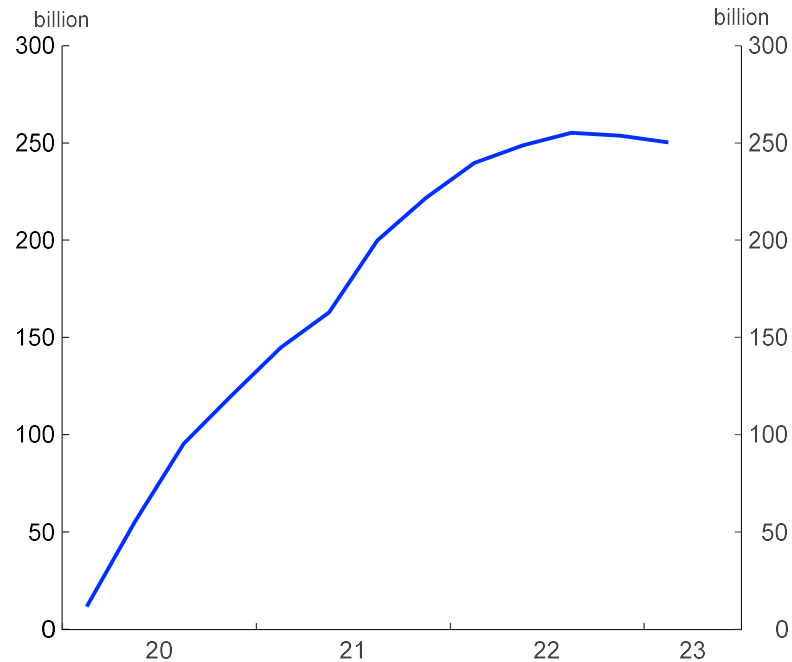
** Value of fixed-rate housing loans outstanding as at end December 2022.

Sources: Major banks; RBA

Savings and Wealth Working the Other Way

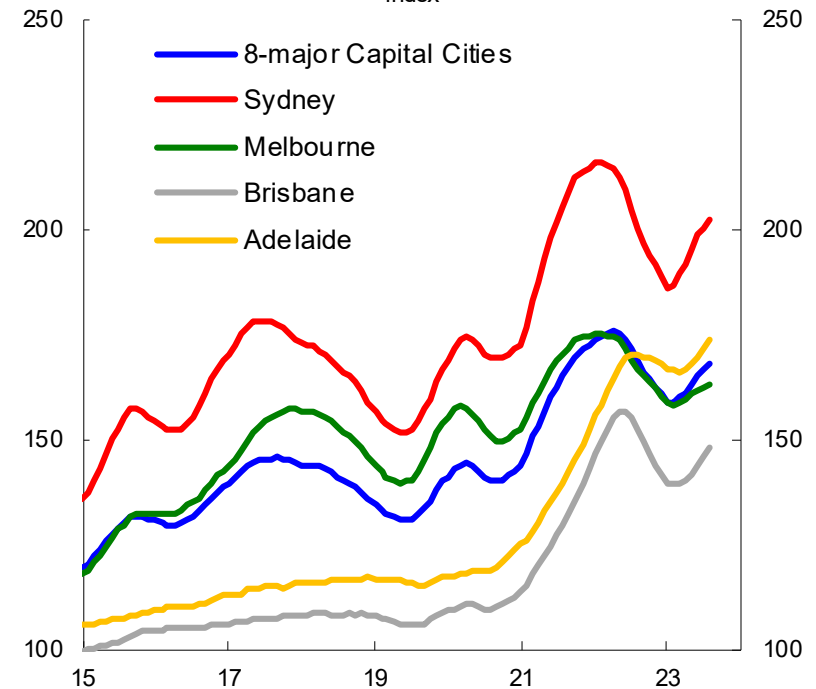


Household Excess Savings
Accumulated Since March 2020



Sources: ABS, Macrobond

Hedonic Home Value Index
index



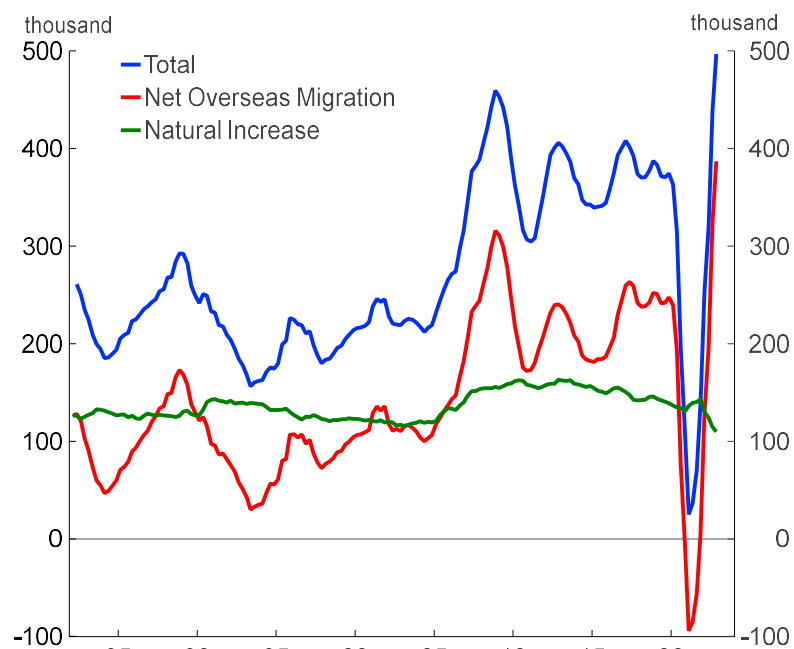
Source: CoreLogic

So Too is Population and Income Growth



Australia, Population Change

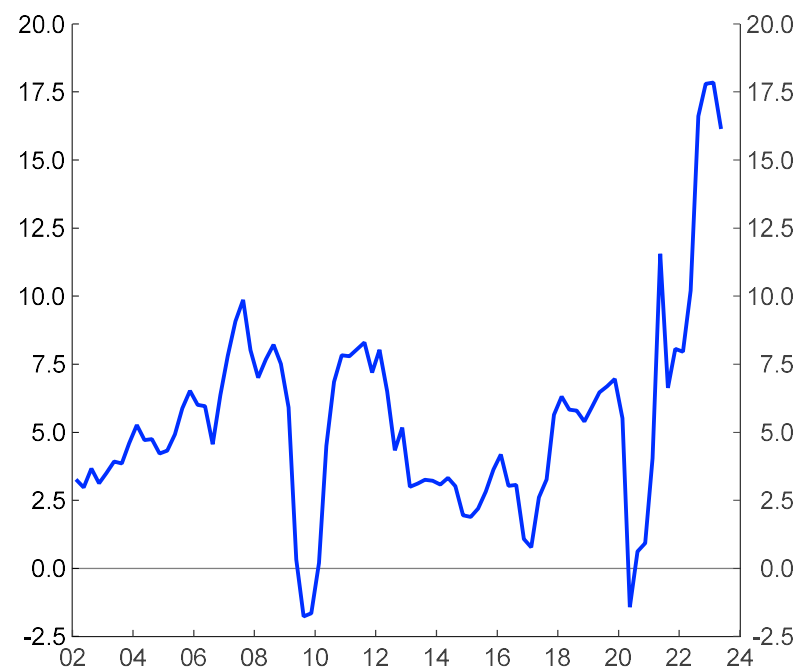
Rolling annual change



Sources: ABS, Macrobond

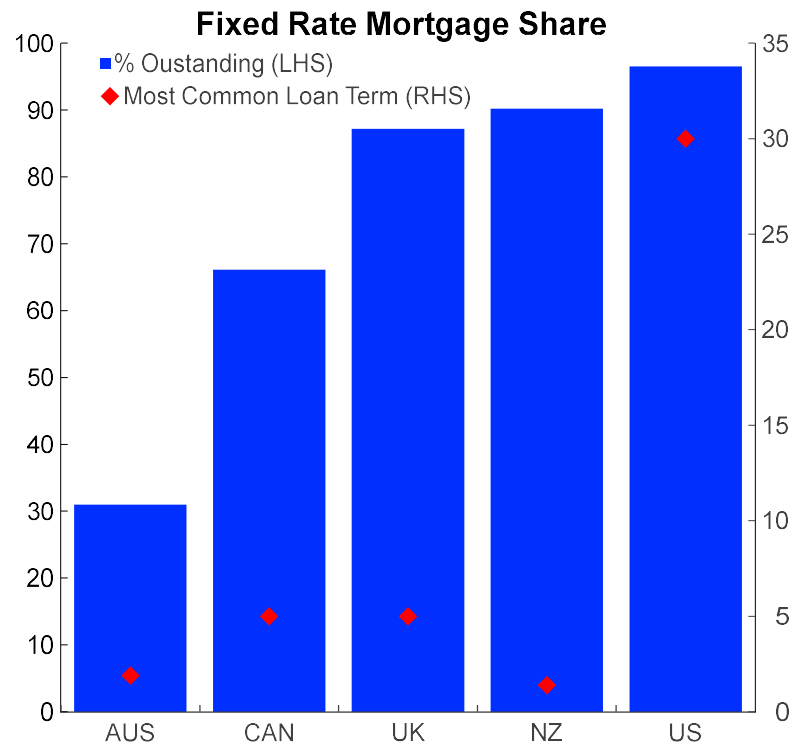
Wages & Salaries

Annual % Change

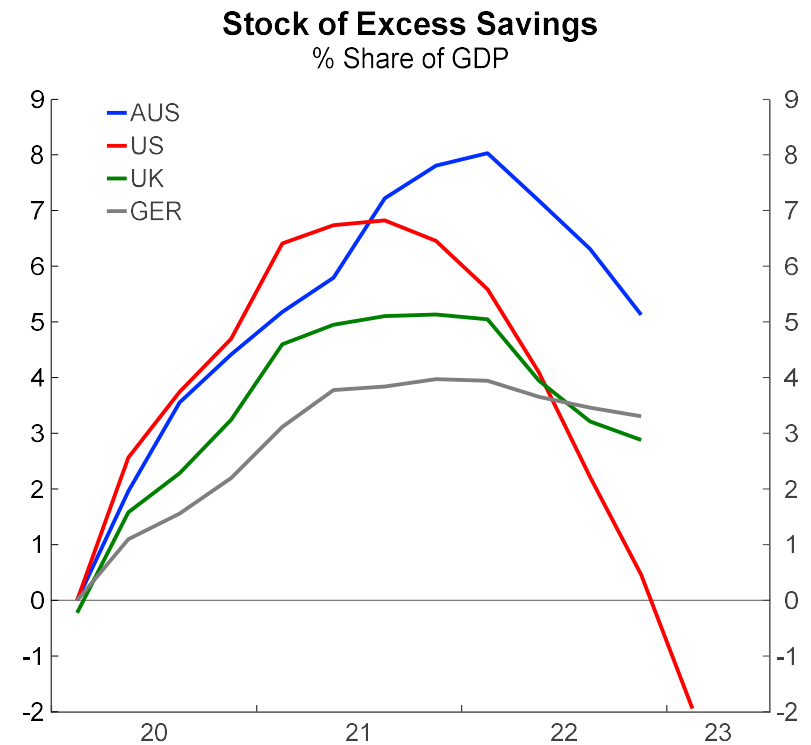


Sources: ABS, Macrobond

The Global Experience is Slightly Different



Sources: RBA, Macrobond

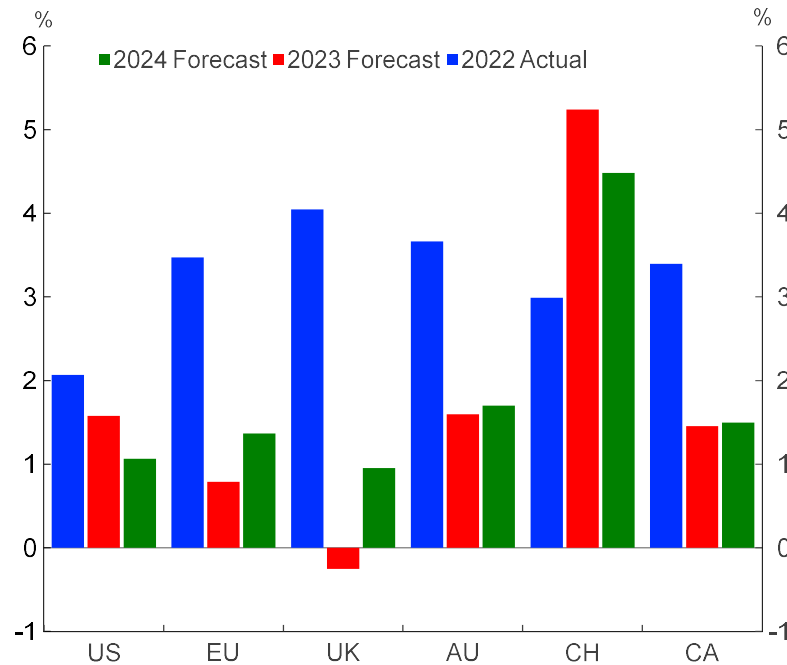


Sources: US Federal Reserve, Macrobond

The Global Experience is Slightly Different

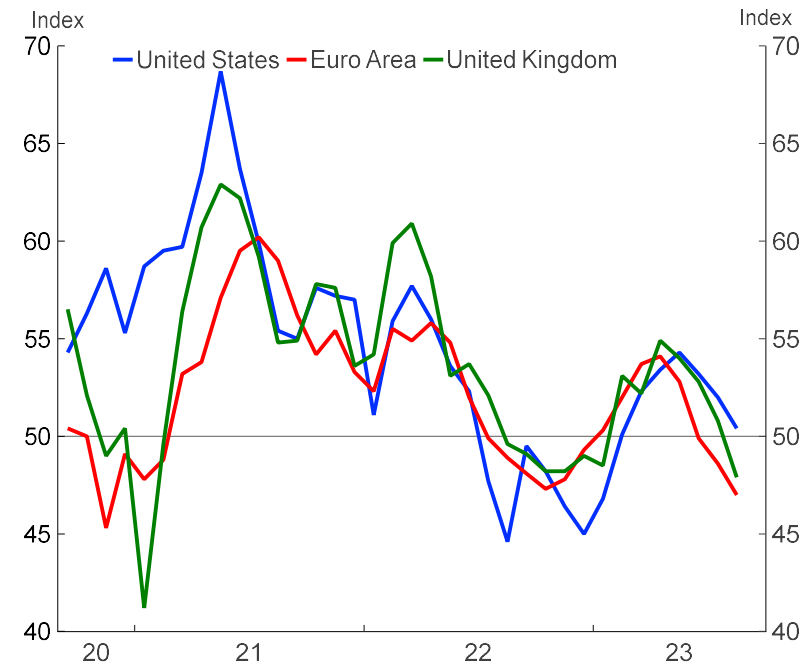


IMF Global GDP Growth Forecasts
Annual % Change



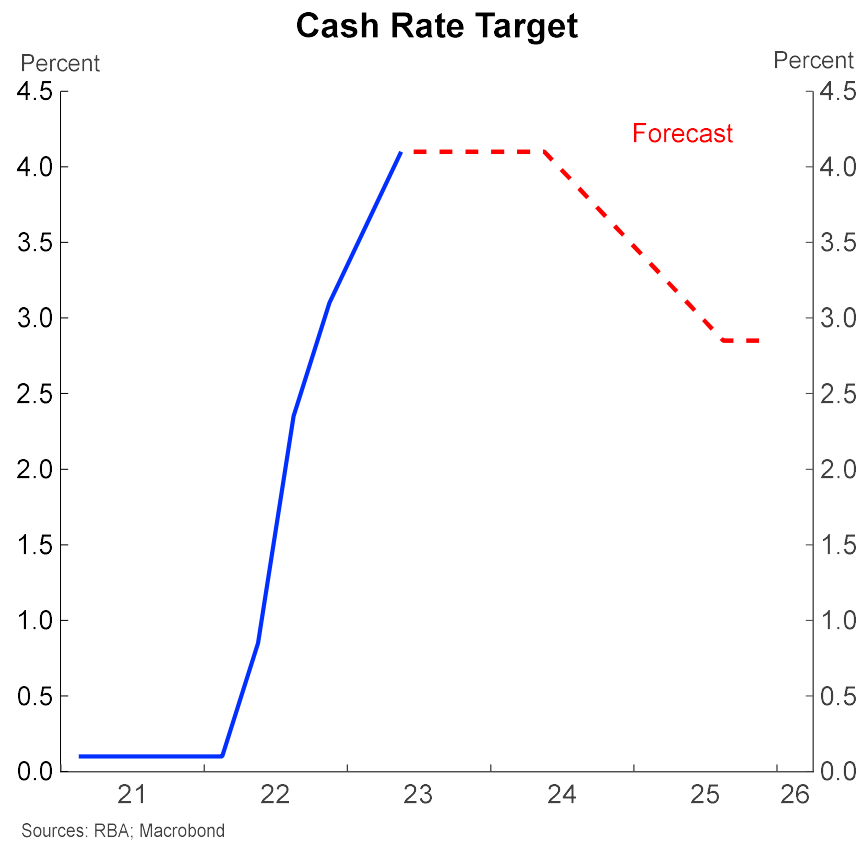
Sources: IMF, Macrobond

Purchasing Managers' Index (PMI)
Composite



Sources: S&P Global, Macrobond

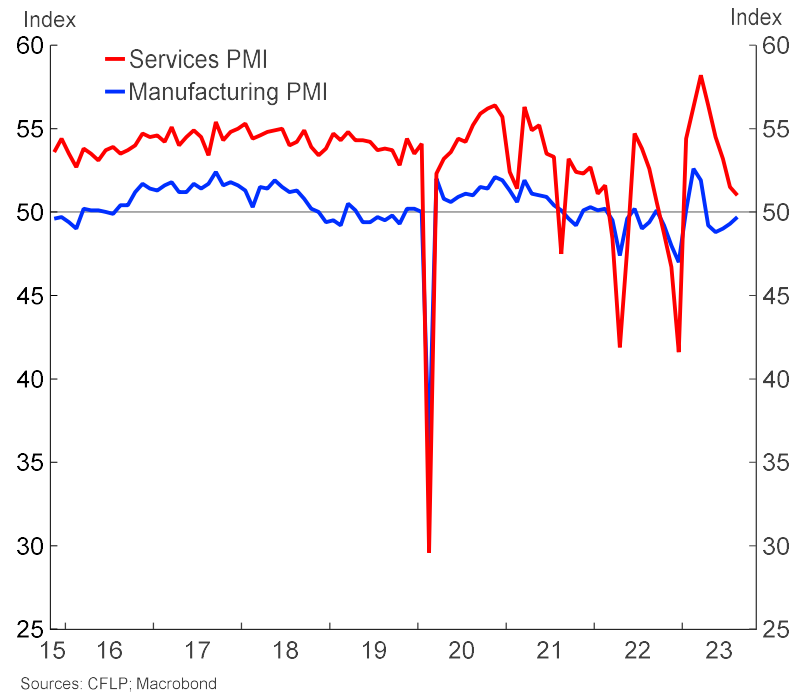
What Does this Mean for Rate Cuts?



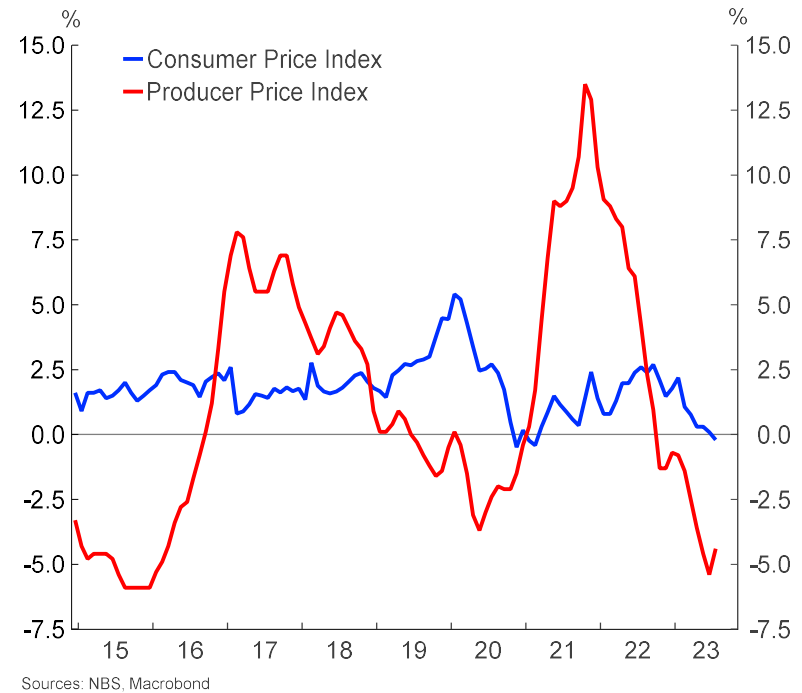
The Elephant in the Room – China



China Purchasing Managers' Index (PMI)
Monthly



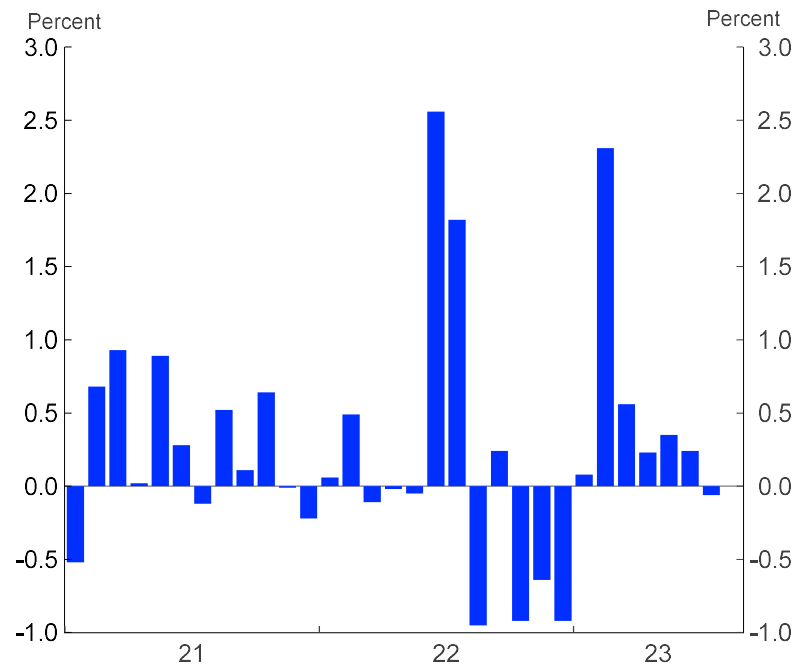
China Inflation
Annual % Change



Reopening Boost Was Short-Lived

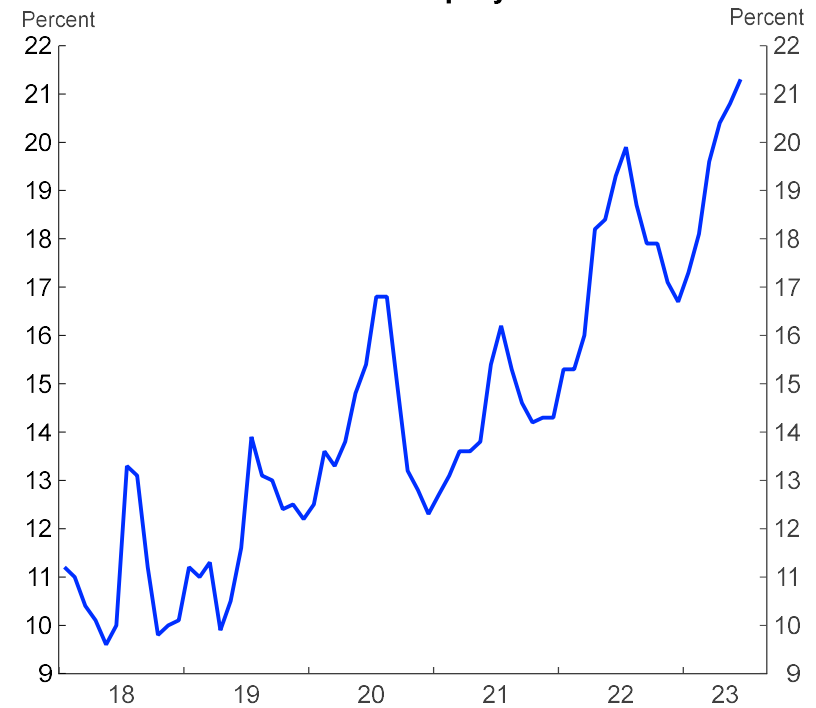


China Retail Trade
Monthly % Change



Sources: NBS, Macrobond

China Youth Unemployment Rate

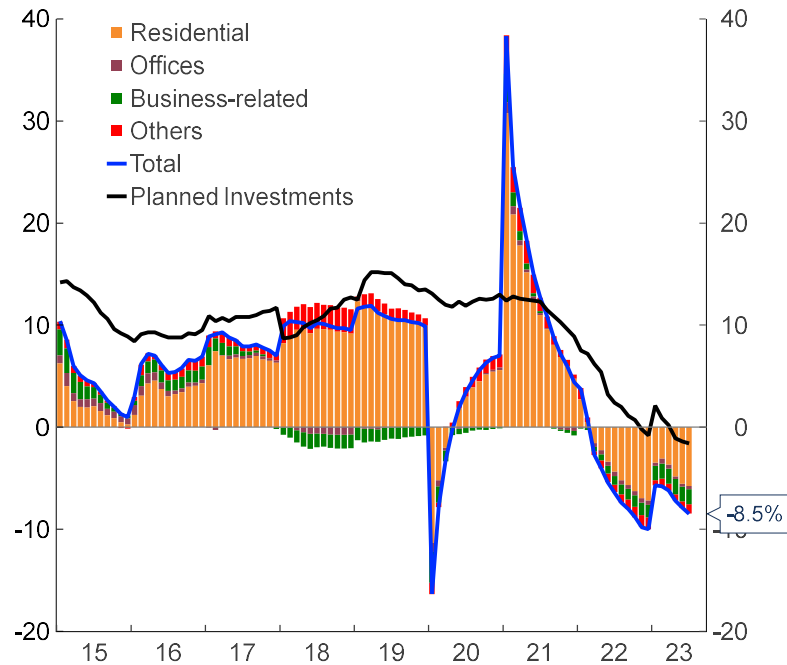


Sources: NBS, Macrobond

Residential Property Drag

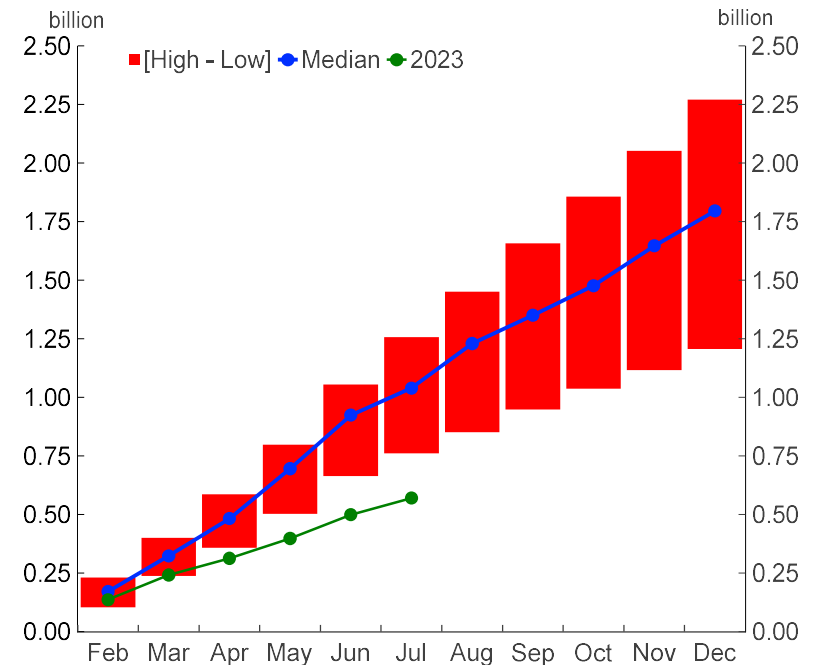


China Construction Investments
Contribution to Growth, y/y% YTD



Sources: NBS, Macrobond

China Construction Starts
Cumulative floor space of real estate, square meters



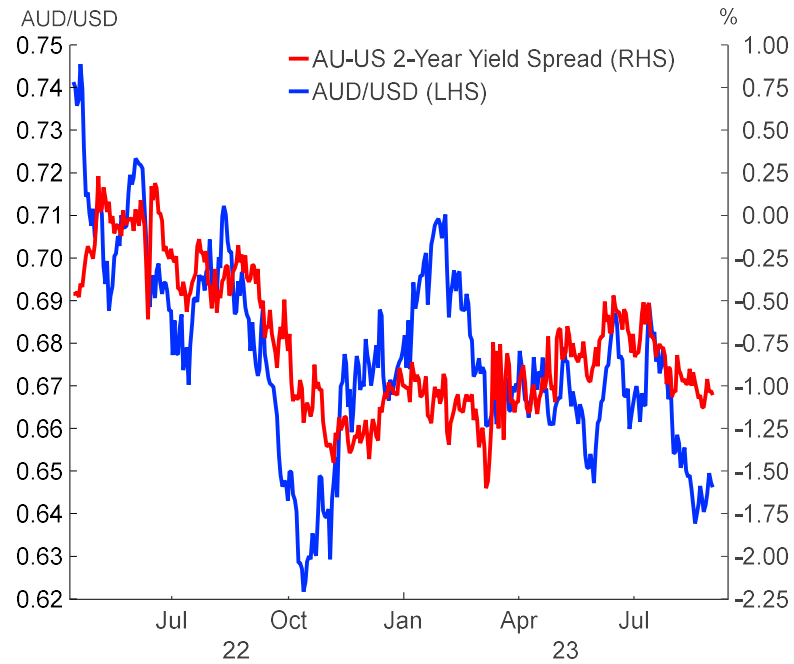
Sources: NBS, Macrobond

Aussie Dollar Taking a Beating



AUD vs AU-US 2-Yr Yield Spread

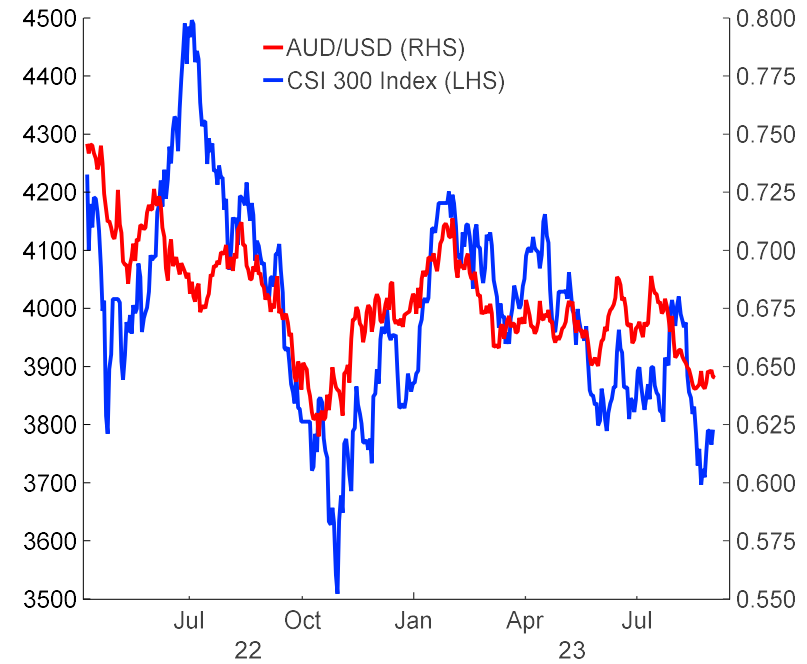
Daily



Sources: Macrobond, RBA, U.S. Department of Treasury; Macrobond

AUD/USD vs CSI 300

Daily

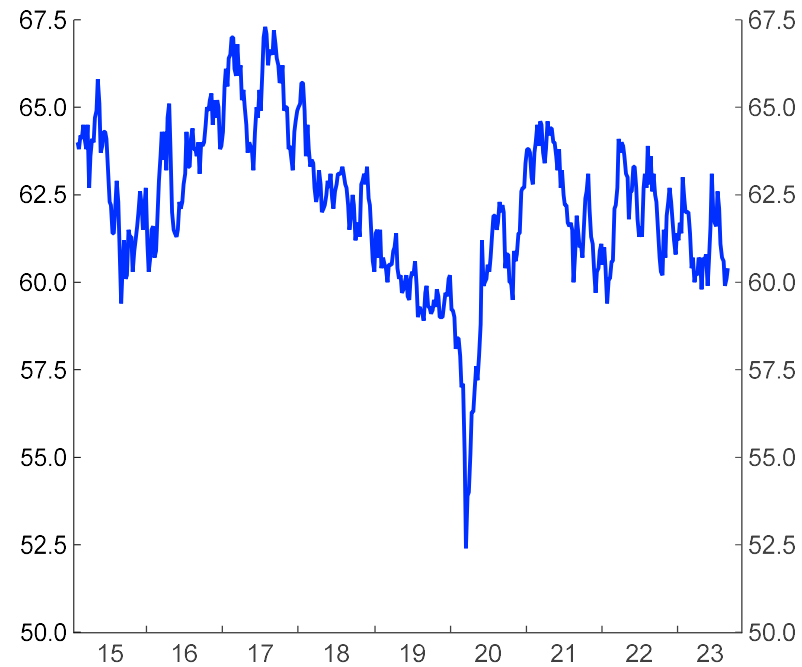


Sources: Bloomberg; Macrobond

But It's Unlikely to Phase the RBA



Australian Dollar Trade Weighted Index
Weekly



Sources: Bloomberg; Macrobond

Thank You
Questions?



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