

# 2023 HALF YEAR RESULTS

HALF YEAR ENDED 31 MARCH 2023

**DEBT INVESTOR PRESENTATION** 

Approved for distribution by ANZ's Continuous Disclosure Committee ANZ Group Holdings Limited ABN 16 659 510 791 9/833 Collins Street Docklands Victoria 3008 Australia



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# **CONTENTS**

Note on reconciliation between the Consolidated Financial Report Dividend Announcement and Appendix 4E, Results Presentation and the Debt Investor Discussion Pack:

During the September 2022 half, the Group revised its treatment of ongoing trail commission payable to mortgage brokers to recognise a liability within Payables and other liabilities equal to the present value of expected future trail commission payments and a corresponding increase in capitalised brokerage costs in Net loans and advances. This increase in balance is not reflected in the Investor Discussion Pack Housing portfolio and associated charts.

The presentation of divisional results has been impacted by the following structural changes during the period. Comparative amounts for the prior two halves have been restated to reflect the below structural changes:

- Business Restructure the non-banking businesses held in the Australia Commercial and Institutional divisions were transferred to the Group Centre division. As a result of this transfer, Group Centre division holds all interests in the ANZ Non-Bank Group.
- Corporate customer re-segmentation certain business and property finance customers were transferred from the New Zealand division to the Institutional division to better align customer needs with the right support and expertise delivery.
- Cost reallocations certain costs were reallocated across the Australia Retail, Australia Commercial, Institutional and Group Centre divisions.

### Note on rounding:

Sum of parts within charts and commentary may not equal totals due to rounding

Chief Executive Officer (CEO)	
Chief Financial Officer (CFO)	1
Investor Discussion Pack	
Environment, Social & Governance (ESG)	2
Group Performance	3
Divisional Performance	4
Treasury	5
Risk Management	7
Housing Portfolio	8
Economics	9
Key Contacts	10

**Results Presentations** 



# 2023 HALF YEAR RESULTS

**SHAYNE ELLIOTT** 

CHIEF EXECUTIVE OFFICER

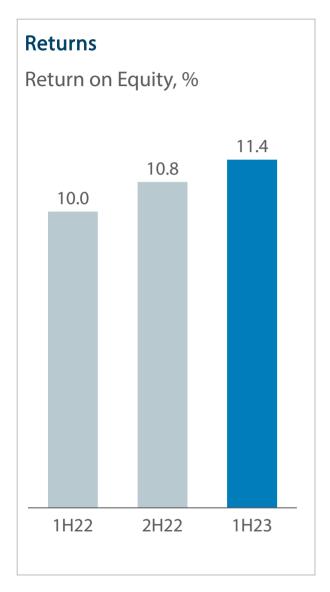


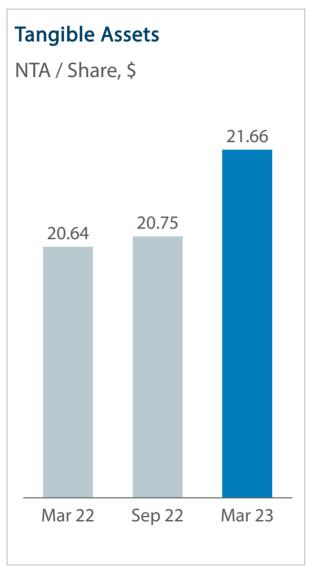
# 1H23 GROUP FINANCIAL RESULTS

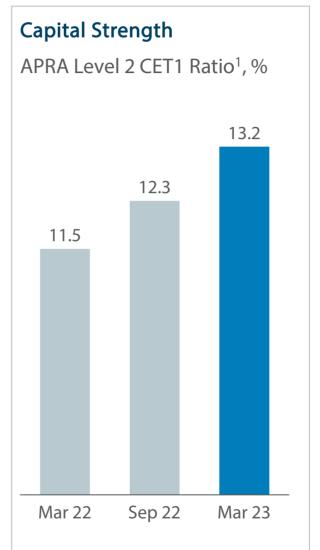
	1H23	vs 2H22	vs 1H22
Statutory profit, \$ million	3,547	-1%	0%
Continuing operations			
Cash Profit, \$ million	3,821	+12%	+23%
Return on equity, %	11.4%	+60bps	+140bps
Earnings per share - basic, cents	127.6	+7%	+16%
Dividend per share – fully franked, cents	81	+7 cents	+9 cents
APRA Level 2 CET1 ratio, %	13.2	89bps	165bps
NTA per share, \$	21.66	+91 cents	+102 cents

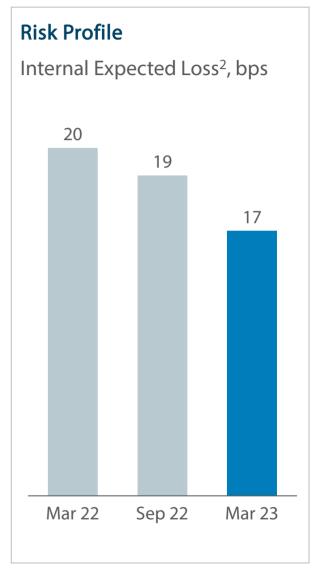


# PERFORMANCE OVERVIEW









- 1. Australia & New Zealand Banking Group Limited
- 2. Internal Expected Loss (IEL) is an internal estimate of the average annualised loss likely to be incurred through a credit cycle



# DIVISIONAL PERFORMANCE - 1H23 VS 1H22 (PCP)

Cash continuing operations (1H23 vs 1H22)	Aus. Retail	Aus. Commercial <sup>2</sup>	Institutional	New Zealand (NZD)	Total Group
Capital allocated <sup>1</sup>	~30%	~10%	~40%	~20%	
Revenue	+11%	+30%	+35%	+14%	+18%
Expenses	0%	+7%	+4%	-1%	+4%
Profit before Provisions	+26%	+50%	+65%	+25%	+33%
Cash NPAT	+9%	+22%	+97%	+13%	+23%
Net Loans & Advances	+6%	+4%	+11%	+3%	+6%
Customer Deposits	+6%	-3%	+13%	+0.5%	+6%

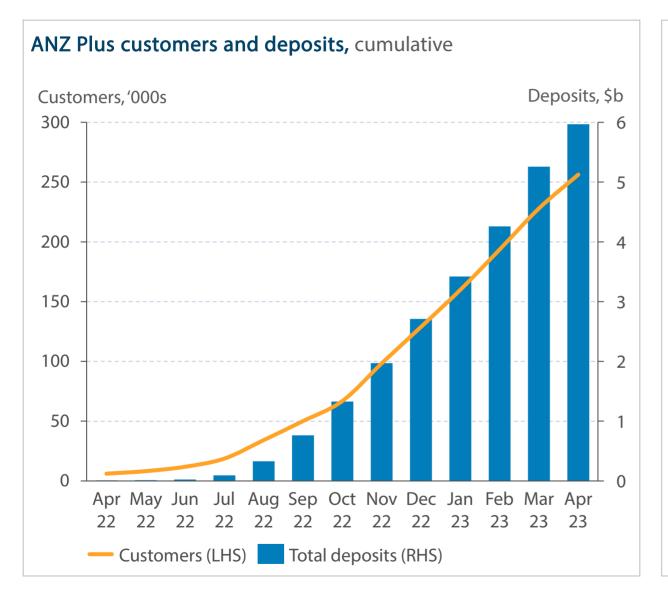
Record level based on half year earnings (\$) and end of half balances for Net Loans & Advances and Customer Deposits (\$)<sup>2,3</sup>

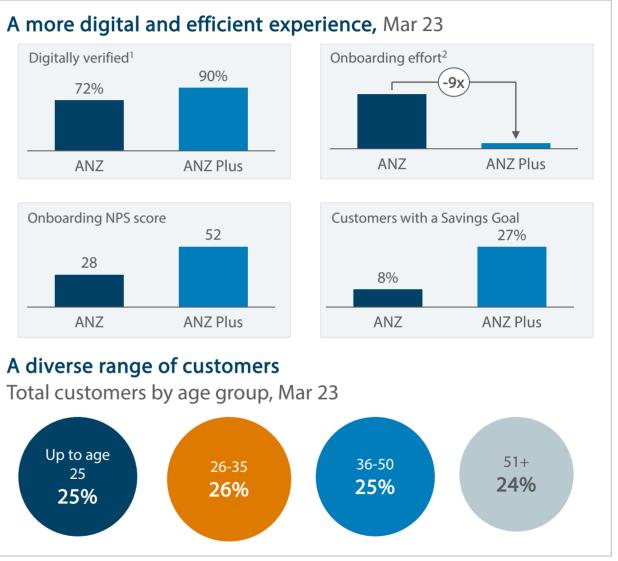
# 20 of the 25 metrics (excluding expenses) were at record levels this half

- 1. Subset of total ANZ capital. Excludes capital in Group Centre, Pacific, Asia Partnerships, Non-banking Group & NOHC surplus capital
- 2. Excluding gain on sale of Merchants business divestment (Australia Commercial recognised a gain in 1H22 with ANZ and Worldline forming a newly created merchant acquiring group) and loss on sale of financial planning and advice business servicing the affluent customer segment (Australia Commercial recognised a loss in 1H22)
- 3. Across the period 1H17 to 1H23 based on reported comparable business unit structures

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## **AUSTRALIA RETAIL - ANZ PLUS**





<sup>1.</sup> Customers eligible for electronic verification and completed their KYC / Total customers successfully electronically verified. Based on total customers joining ANZ Plus in 1H23

<sup>2.</sup> Estimated human effort attributable in branch to deposit sales vs coach effort in ANZ Plus for deposit sales



## THE WORLD IS BEING SHAPED BY MAJOR TRENDS

### **Major trends**

- Greater demands on government, more government debt
- Resilient corporate balance sheets
- Changing political structures
- More complex domestic and global politics
- Advances in technology and the advent of AI
- Acceleration of climate change, biodiversity and sustainability
- Ageing population
- Housing affordability

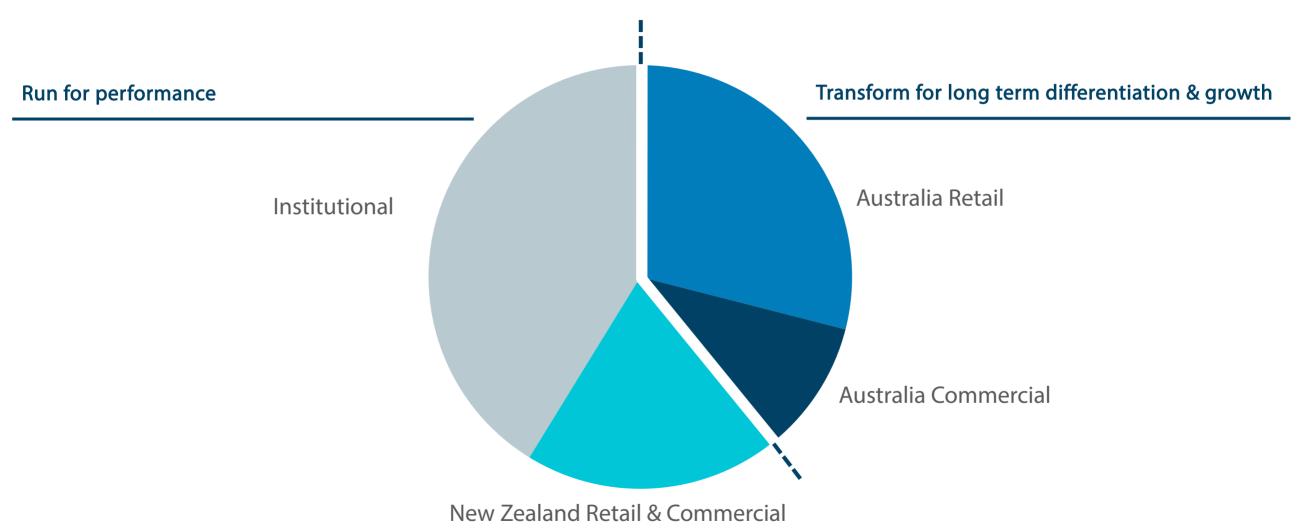
### **Challenges arising**

- Heightened community expectations of business and government
- Government fiscal prioritisation
- Funding requirements (energy transition, infrastructure, defense)
- Competition for resources keeping asset prices and inflation high
- Rapid changes to workforce composition
- Intergenerational wealth transfers
- Higher interest rates for longer
- Hyper connectivity leads to faster and amplified reactions to events

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# CONTINUED PROACTIVE PORTFOLIO REBALANCING





<sup>1.</sup> Subset of total ANZ capital. Excludes capital in Group Centre, Pacific, Asia Partnerships, Non-banking Group & NOHC surplus capital

# 3

## **GROUP STRATEGIC ACHIEVEMENTS**



### Group

- 1. Suncorp acquisition on track
- 2. NOHC structure approved by shareholders and in place
- 3. Employee engagement score increased to 87%



### Institutional

- 1. Further capital efficiency, footprint, productivity actions
- 2. Sustainability strategy on track



### **New Zealand**

1. BS11 project delivered & submitted to RBNZ



# **Australia Retail & Australia Commercial**

- 1. ANZ Plus reached 259k in customers & \$6.1b in FUM<sup>1</sup>
- 2. ANZ Plus Home Loan moved to Beta testing
- 3. Relevant Australian Home Loan share maintained
- 4. Cashrewards Active Members increased 31% HoH, Gross Merchandise Value increased 34% HoH
- 5. Acquired 13% of View Media Group
- 6. Appointed new Group Executive Australia Commercial
- 7. Go-Biz expanded, 60% HoH growth in drawn lending

1. As at 3 May 2023



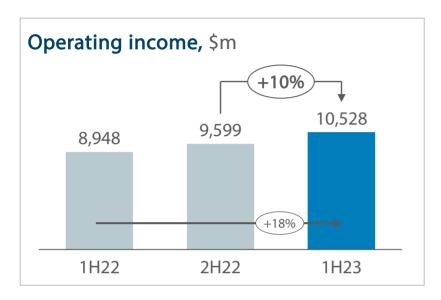
# 2023 HALF YEAR RESULTS

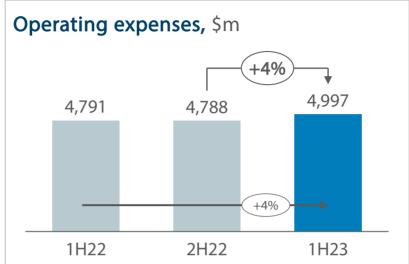
**FARHAN FARUQUI** 

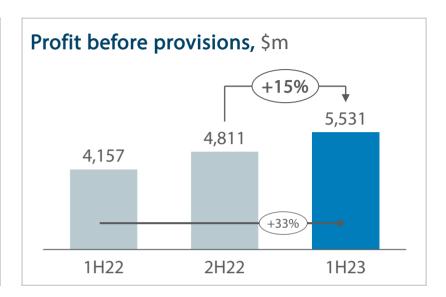
CHIEF FINANCIAL OFFICER

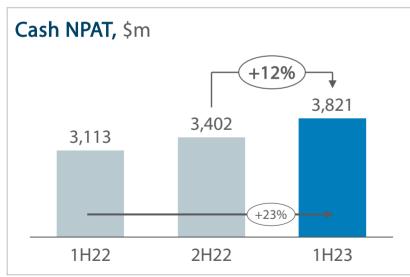
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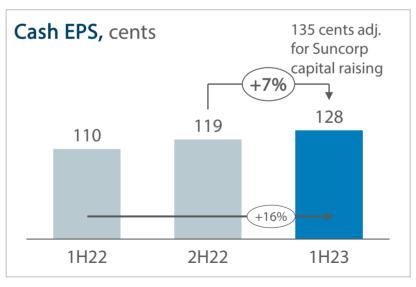
# 1H23 FINANCIAL PERFORMANCE

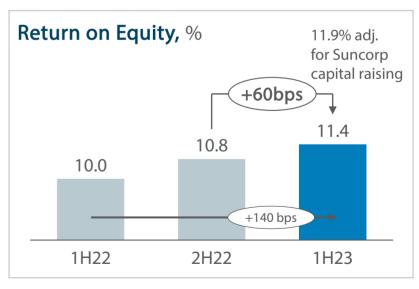






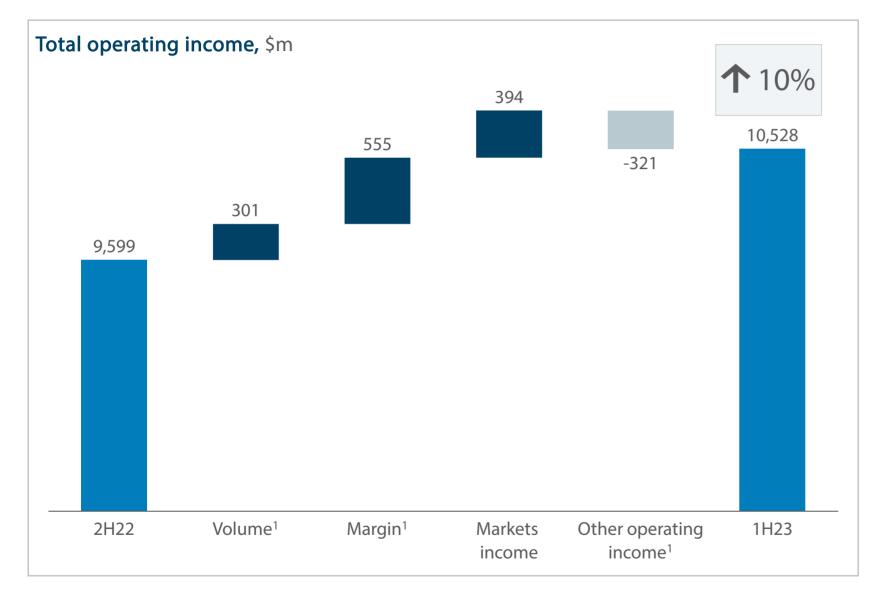


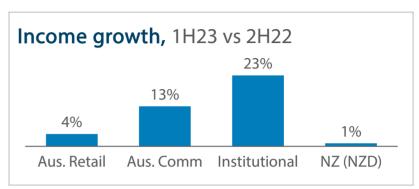


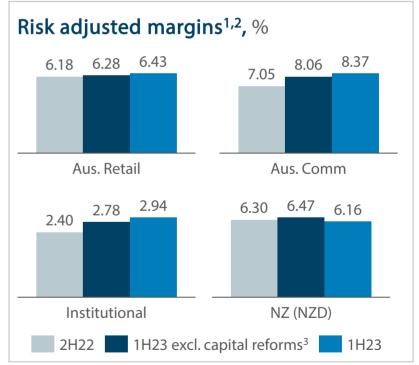


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# **OPERATING INCOME**



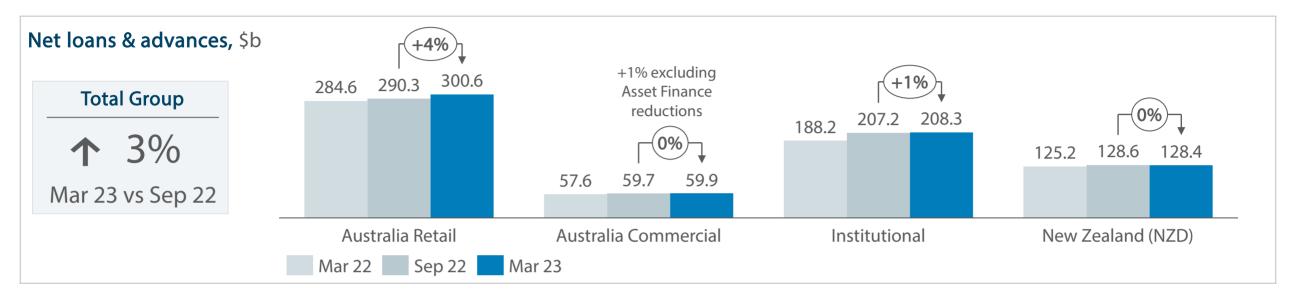


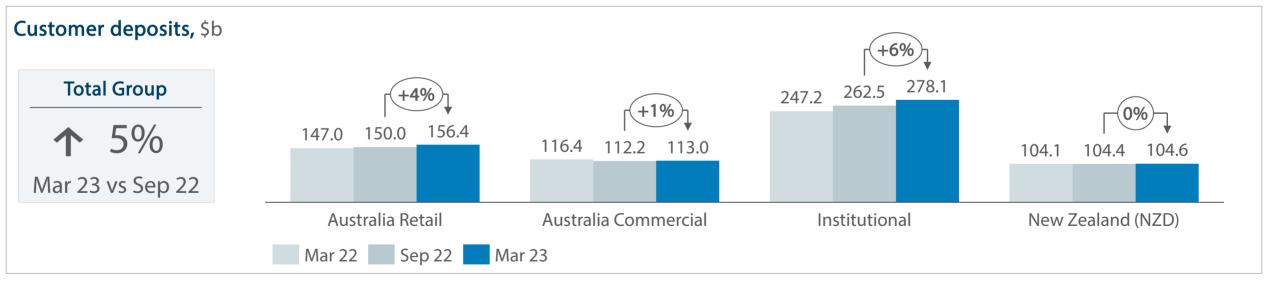


- 1. Excluding Markets Business Unit
- 2. Net interest income as a % of average Credit Risk Weighted Assets
- 3. Excluding the impacts of APRA Capital Reforms (effective date of 1 January 2023)



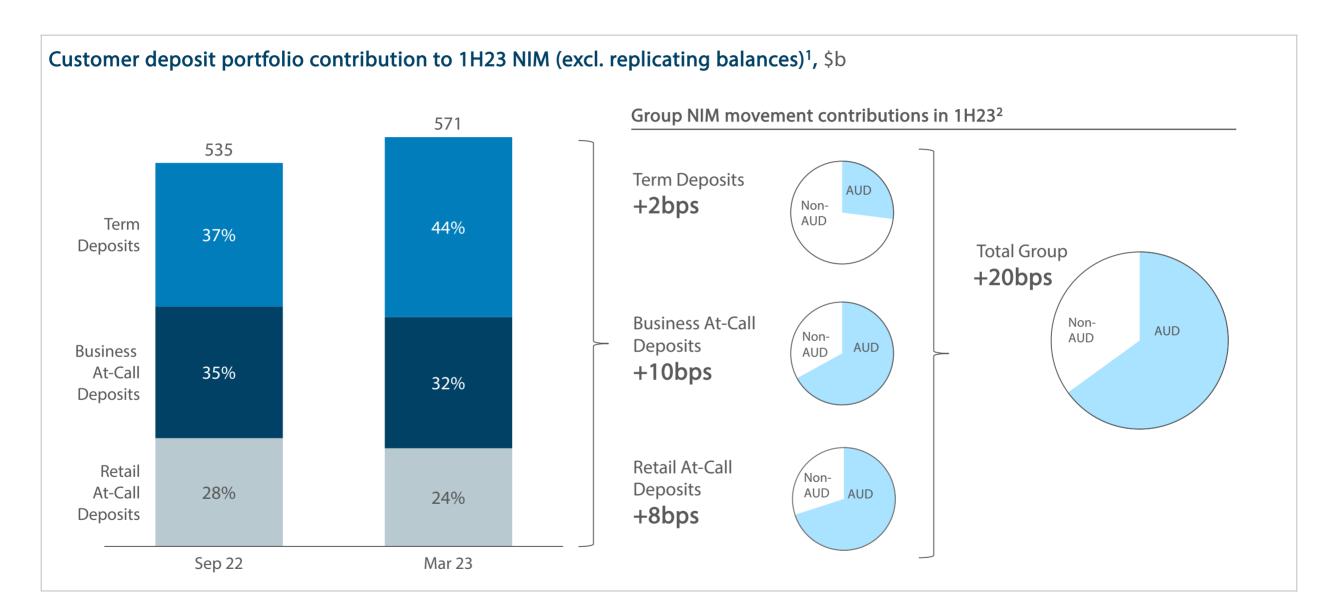
# **VOLUMES**







# 1H23 NET INTEREST MARGIN (NIM) - CUSTOMER DEPOSITS

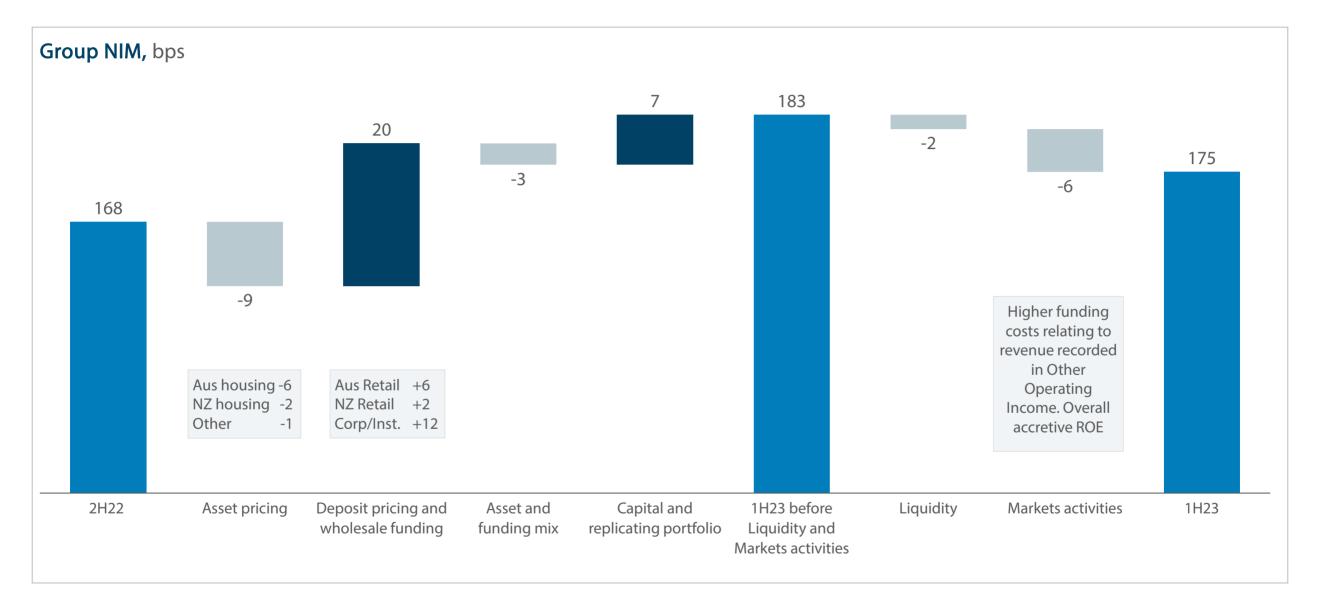


<sup>1.</sup> End of period balances. Excludes deposits from Banks

<sup>2.</sup> Classification of Business At-Call and Retail At-Call are based on internal segmentation. Basis point (bps) change refers to impact on 1H23 Group NIM relative to 2H22

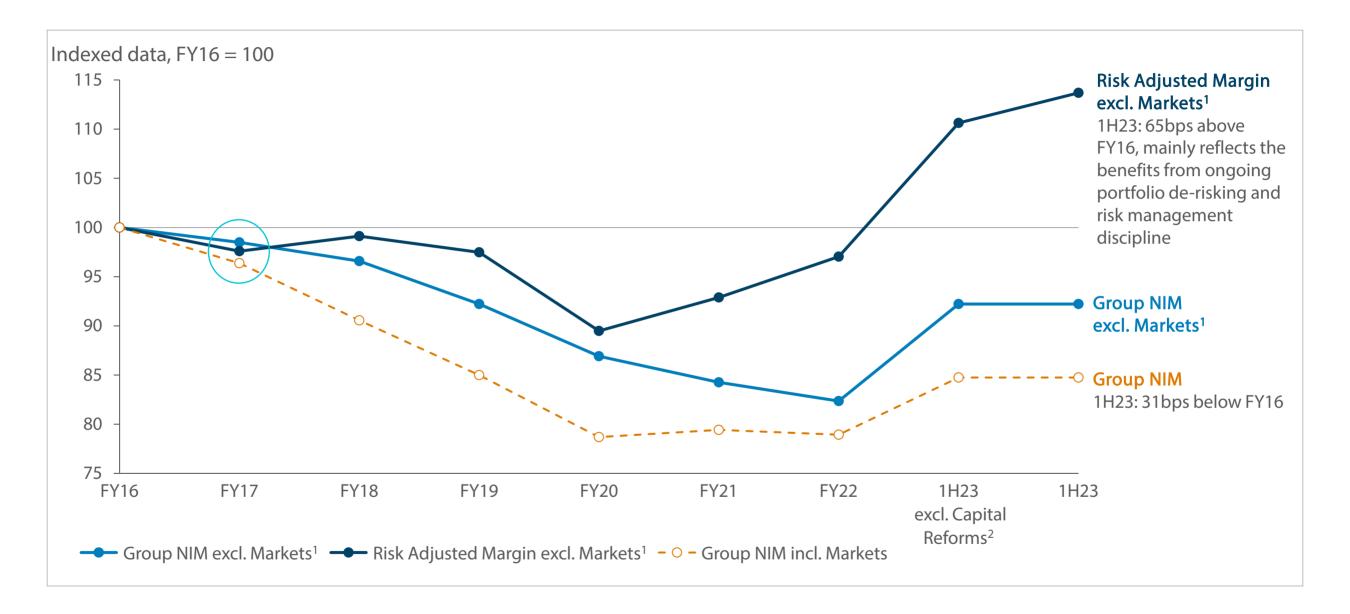


# 1H23 NET INTEREST MARGIN (NIM) - MOVEMENT





# NET INTEREST MARGIN (NIM) & RISK ADJUSTED MARGIN



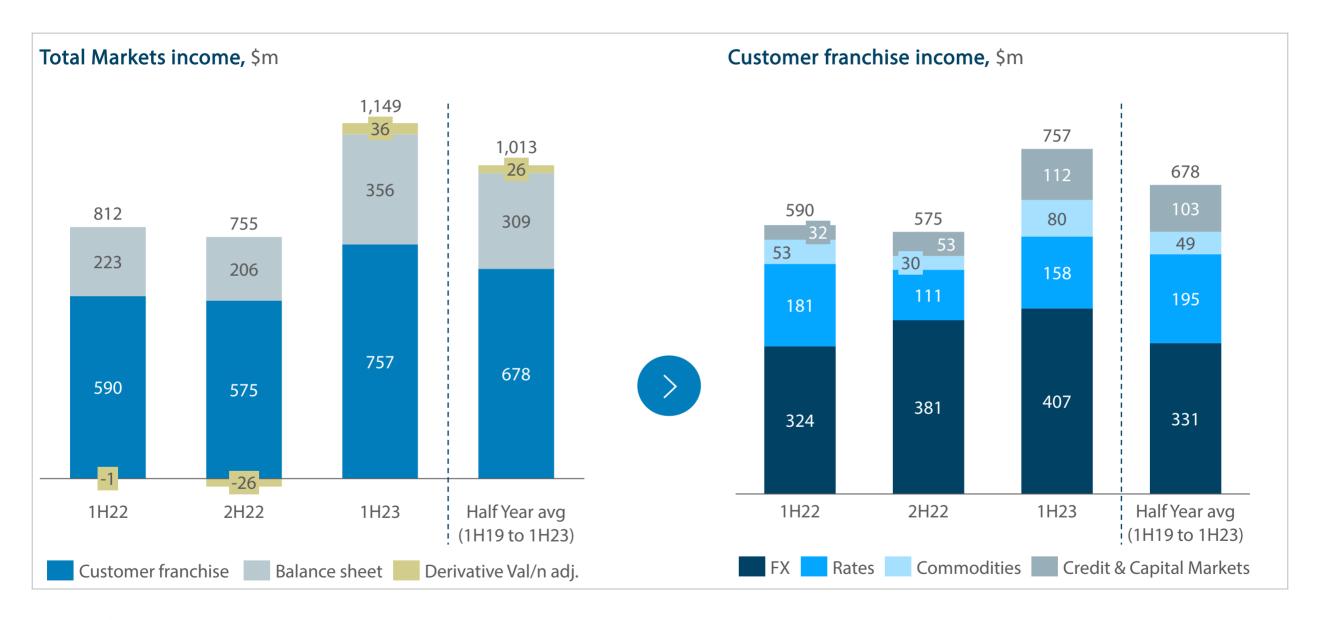
<sup>1.</sup> Markets Business Unit

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<sup>2.</sup> Excluding the impacts of APRA Capital Reforms (effective date of 1 January 2023)

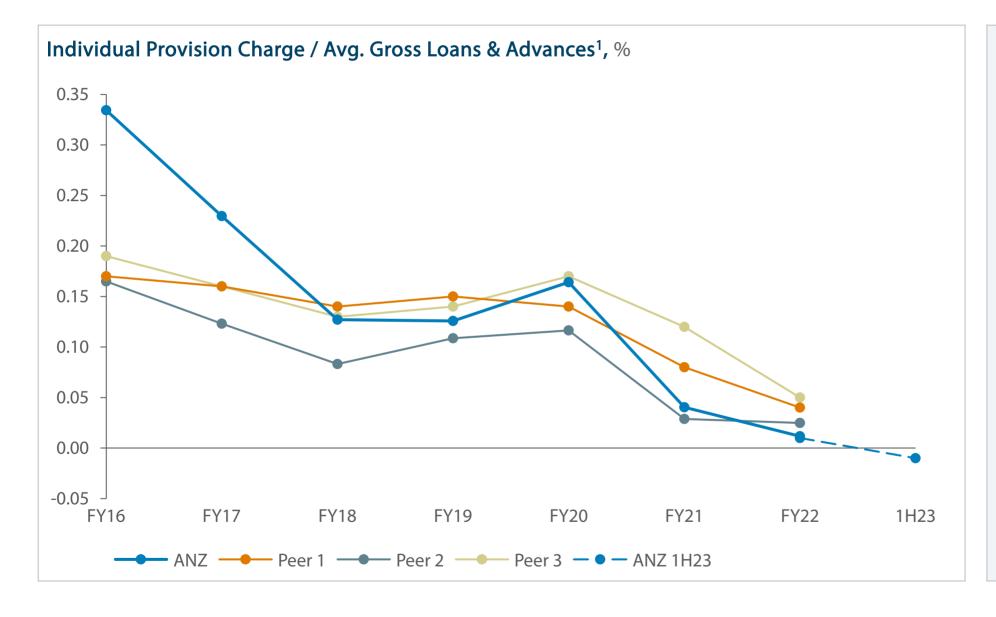
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# **MARKETS INCOME**



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# **CREDIT QUALITY**



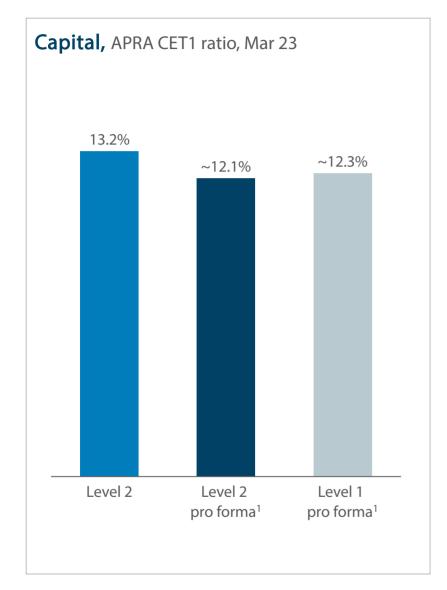
# Substantially reshaped our portfolio since 2016

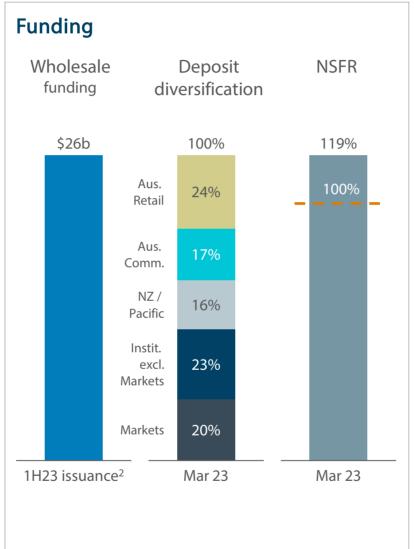
- Sold or exited >30 businesses
- Grown in "lower loss" portfolios:
  - Sovereign
  - Mortgage
  - Bank
  - Investment grade corporates
- Decreasing exposure to "higher loss" portfolios and segments:
  - Reduced exposure to noninvestment grade corporates while increasing collateral
  - Reduced / restricted exposures to unsecured retail, unsecured small business, third party asset finance

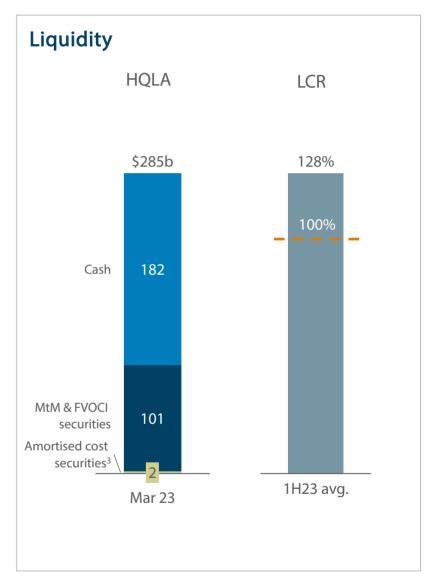
<sup>1.</sup> Source: Full Year loss rate data sourced from publicly available company financials



# **CAPITAL, LIQUIDITY & FUNDING**







<sup>1.</sup> Pro forma for the acquisition of Suncorp and NOHC surplus capital

<sup>2.</sup> Includes EUR1.5b (\$2.4b) Covered Bond issued on 28 March 2023 and settled on 4 April 2023

<sup>3.</sup> Short dated. As at 31 March 2023 ANZ holds an additional \$5.6b securities not eligible for HQLA classification, for which the majority are short dated and/or floating rate



# 2023 HALF YEAR RESULTS

**INVESTOR DISCUSSION PACK** 

**ENVIRONMENT, SOCIAL & GOVERNANCE (ESG)** 



## ACCELERATING OUR APPROACH FOR THE TRANSITION TO NET ZERO

# New social and environmental sustainability target

By 2030

\$100b

On 1 April 2023, we commenced a new \$100 billion by 2030 social and environmental sustainability target to improve social and environmental outcomes for our customers, including initiatives that help lower carbon emissions, increase access to affordable housing and promote financial wellbeing. This will be periodically reviewed and revised to ensure it continues to match our ambition.

# Progress against our sectoral decarbonisation targets

- We were the first Australian bank to join the Net-Zero Banking Alliance (NZBA) in 2021 and set emissions pathways and targets for power generation and large-scale commercial real estate. In November 2022, we announced four additional sectoral pathways and targets in oil & gas, aluminium, cement and steel.
- We are on track to set 2030 targets for a total of nine priority sectors aimed at ensuring at least 75% of our portfolio emissions are on a net zero pathway by the end of 2024.
- Our direct exposure to thermal coal mining has reduced by ~82% since 2015; our exposure is now less than 0.02% of Group exposure at default (EAD). We are on track to exit all direct lending to thermal coal mining<sup>1</sup> well ahead of our 2030 target.
- We will use these pathways to steer our lending decisions in line with the Paris Agreement goals.
   We expect the transition is likely to be uneven – and there will be challenges in some sectors more than others.

# Our Climate Change Commitment

- Our pathways set our strategy and course out to net zero by 2050 and use credible decarbonisation scenarios, allowing us to:
  - Determine how each sector is performing against a Paris-aligned path
  - Better pinpoint and manage customers that may be more exposed to transition risks; and help them to capture the growing opportunities that come with the transition
  - Assess the speed and extent to which we are transitioning our exposure to key sectors
  - Provide transparency about how our financing is aligned with climate scenarios

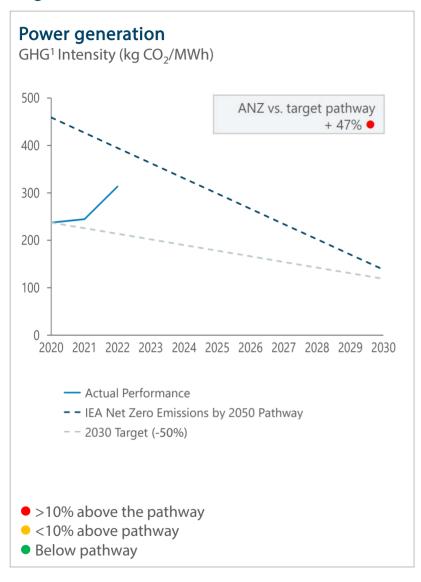
We will reduce our exposure to our largest emitting business customers that, after significant engagement, have not improved their transition plans by 2025.

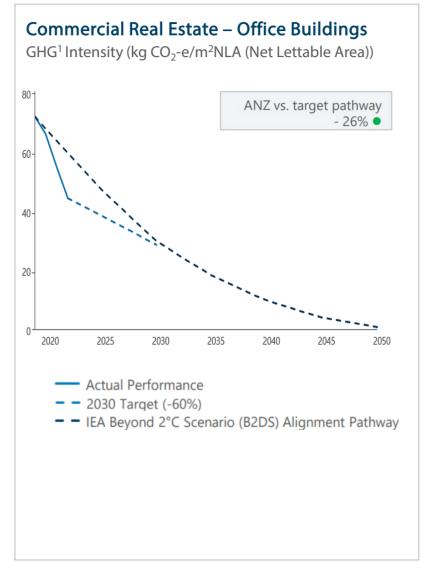
<sup>1.</sup> Excluding some residual exposures to rehabilitation bonds as per our policy

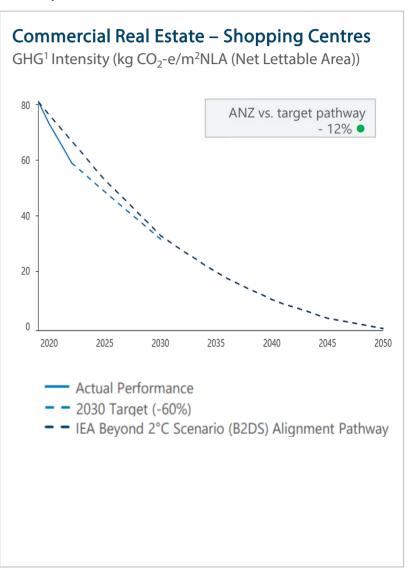


## FINANCE TO BACK CUSTOMERS ON THE RIGHT PATH

Targets set for six carbon intensive sectors in line with our Net-Zero Banking Alliance commitments (as at 30 September 2022)





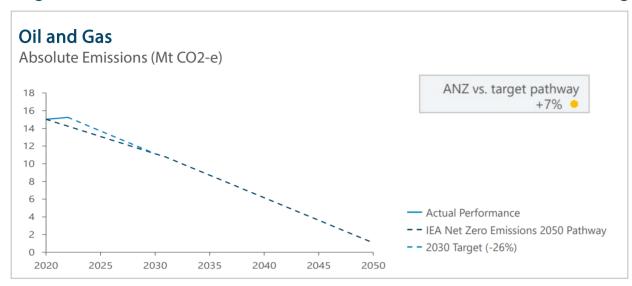


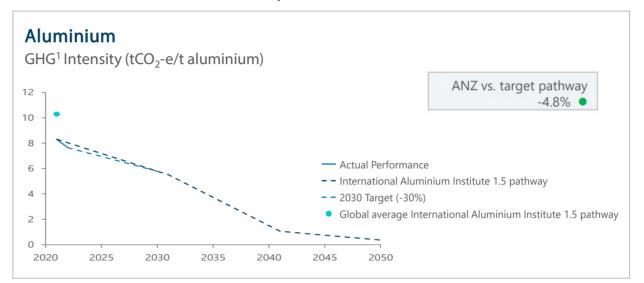
<sup>1.</sup> Greenhouse gas emissions (GHG)

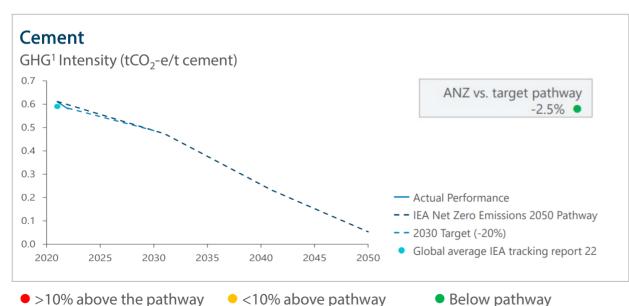


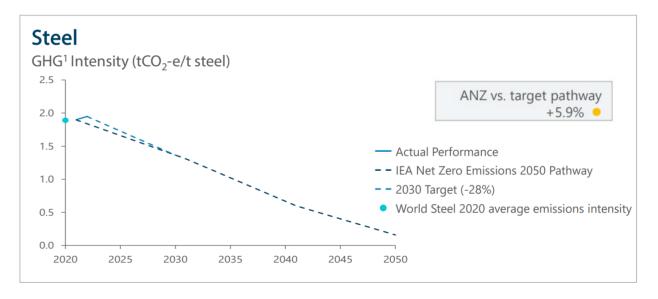
# FINANCE TO BACK CUSTOMERS ON THE RIGHT PATH

Targets set for six carbon intensive sectors in line with our Net-Zero Banking Alliance commitments (as at 30 September 2022)







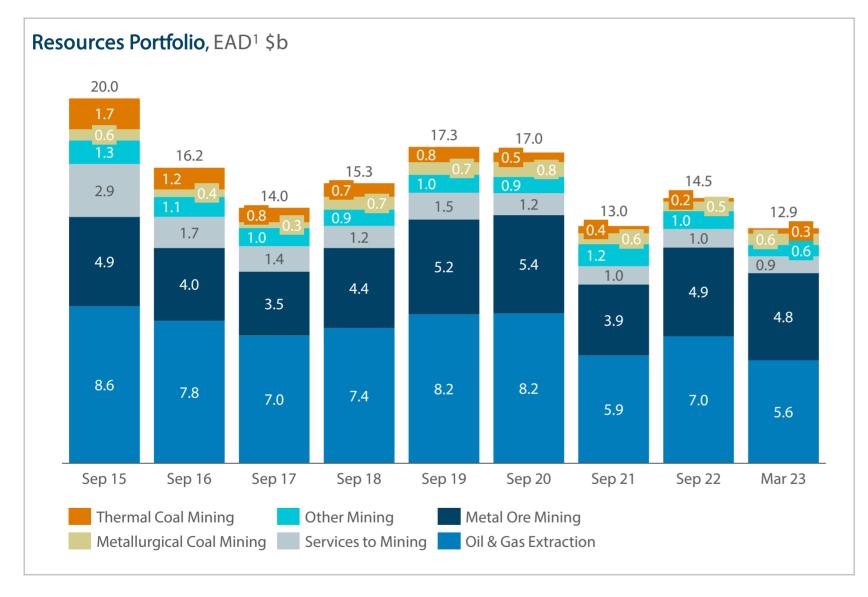


For detail regarding how targets have been set and calculated refer to ANZ's Financed Emissions Methodology available at <a href="mailto:anz.com/esgreport">anz.com/esgreport</a>

<sup>1.</sup> Greenhouse gas emissions (GHG)

# •

## **OUR RESOURCES PORTFOLIO**





ANZ's exposure to thermal coal mining has reduced by ~82% lending (now comprising <0.02% of Group EAD)

# Movements in Oil and Gas and Thermal Coal Mining exposures

Some of the movements in our exposures this half can be attributed to APRA's capital reforms<sup>2</sup>, which changes the factors applied to loan amounts used to determine our EAD. The result is that we are required to hold more capital for certain types of lending and other banking facilities, and less for others. The impact on two sectors is outlined below:

- Our thermal coal mining exposure<sup>3</sup> increased this half, almost entirely related to the impact of the capital reforms. The majority of our exposures to the thermal coal mining sector are made up of mining rehabilitation guarantees, which requires increased capital under the reforms. The increase was not due to new lending to the sector.
- Our upstream oil and gas exposures decreased, driven by the capital reforms, lower lending balances, and decreases in trade and markets exposures during the half.

<sup>1.</sup> Exposure at Default

<sup>2.</sup> APRA release minor amendments to capital frameworks for ADIs: https://www.apra.gov.au/news-and-publications/apra-releases-minor-amendments-to-capital-framework-for-adis

<sup>3.</sup> This exposure is to the ANZSIC code 1102, ie those customers for whom thermal coal mining is their predominant activity. It does not include other thermal coal mining exposure to diversified miners, which will be captured under other ANZSIC codes



### CUSTOMER ENGAGEMENT TO SUPPORT EMISSIONS REDUCTIONS

### 100 of our largest emitting business customers (progress at 30 September)

We have been discussing transition plans with 100 of our largest emitting business customers since 2018 and broadened this to our customers efforts to protect biodiversity in 2022.

In FY22 we engaged with 99 of our largest emitting business customers. 61% of these customers now have well developed or advanced transition plans versus 42% as at the end of FY21.

Overall good progress is being made, with 29 customers upgraded since FY21.

Our largest emitting business customers produced more than 147 million tonnes of direct (Scope 1)  $CO_2$  emissions during 2020–21 for their Australian-based operations. This is around 30% of the national total for Australia.

We expect our new target of \$100b by 2030 will further assist our largest emitting customers to invest in emissions reduction. We will continue to prioritise support for customers who are committed to improving their plans.

This support will also focus on customers in the C and D categories. We are seeking improved plans from these businesses by 2025 and will increase our engagement to encourage further progress.

While we will aim to support C and D category customers to improve, if significant engagement doesn't see positive momentum we will reduce our exposure.



<sup>1.</sup> We replaced six customers in 2022 due to exits or significantly reduced exposures, or due to mergers and acquisition activities. Replacements on this list are typically from a similar sector, located in the same country or region, a similar level of exposure and emissions and at a similar stage of their transition planning



### SNAPSHOT OF HALF YEAR ESG TARGET PERFORMANCE

### **ESG** target

### **Environmental Sustainability**

Fund and facilitate at least AU\$50 billion by 2025 towards sustainable solutions for our customers, including initiatives that help improve environmental sustainability, support disaster resilience, increase access to affordable housing and promote financial wellbeing.

Engage with 100 of our largest emitting business customers to encourage them to, by end 2024:

- strengthen their low carbon transition plans so that more customers achieve a 'well developed' or 'advanced' rating; and
- enhance their efforts to protect biodiversity.

### **Financial Wellbeing**

Establish seven new partnerships to expand the reach and improve impact of MoneyMinded, our adult financial education program, by 2023

Have 30% or more of ANZ Plus Save customers set a savings goal by end 2023.

### **Progress**

Since October 2019, we have funded and facilitated AU\$47.09 billion to support sustainable solutions for our customers. We were forecast to reach our target of A\$50 billion well in advance of 2025.

That is why on 1 April 2023 we commenced a new social and environmental sustainability target, committing to fund and facilitate at least A\$100 billion (FY23-FY30) towards improving social and environmental outcomes for our customers.

We continue to engage with 100 of our largest emitting business customers, encouraging them to strengthen their low carbon transition plans and enhance their efforts to protect biodiversity.

We have established nine new MoneyMinded partnerships since October 2020, including two in New Zealand and seven in Asia Pacific. These partnerships have enabled us to deliver MoneyMinded to more lower income people across the countries in which we operate to help improve their financial wellbeing.

27% (64,414) ANZ Plus customers have set up a savings goal since October 2022.



### Our ESG targets support all 17 United Nations Sustainable Development Goals (SDGs)

Note: This information has not been independently assured. KPMG will provide assurance over ANZ's full year performance against targets in its annual ESG reporting to be released in November 2023. See our 2022 ESG Supplement for the complete suite of FY22 ESG targets and details on full year performance



# SNAPSHOT OF HALF YEAR ESG TARGET PERFORMANCE (CONT.)

### **ESG** target

### Housing

Fund and facilitate AU\$10 billion of investment by 2030 to deliver more affordable, accessible and sustainable homes to buy and rent. (Australia / New Zealand).

### Fair and Responsible Banking

Achieve the 17 actions in our Reconciliation Action Plan, by end 2024 (Australia)

### **Progress**

Since October 2018, we have funded and facilitated over AU\$4.4 billion to support the delivery of more affordable, accessible and sustainable homes to buy and rent.

Housing pipeline and run rate remain on track, however current market conditions in the broader property sector have resulted in no further transactions being closed in the half year.

We continue to make good progress against the 17 actions outlined in our RAP and have met all commitments that were due for completion to date.

### **Relevant SDGs**







### Our ESG targets support all 17 United Nations Sustainable Development Goals (SDGs)

Note: This information has not been independently assured. KPMG will provide assurance over ANZ's full year performance against targets in its annual ESG reporting to be released in November 2023. See our 2022 ESG Supplement for the complete suite of FY22 ESG targets and details on full year performance



## **INVESTING IN SUSTAINABILITY**

### Where we support our customers

Supporting sustainability in resource extraction,

Electrifying the transportation value chain

Accelerating companies transitioning from 'brown' to 'green'

basic materials & new technologies

Enabling transition towards lower emissions buildings

Offering Environmental Sustainability solutions / partnering with ES focused Fls

Assisting sustainable food, beverage & agriculture practices and supply chains

### **Sustainable Bond League Tables**

Aus. Sustainable Bond Cumulative League Table<sup>1</sup>

Bookrunner (Ranking on Market share)	Volume	No. of deals	Market share
ANZ (#1)	\$11.4b	51	15.1%
Closest peer (#2)	\$8.2b	51	10.9%

NZ Sustainable Bond Cumulative League Table<sup>2</sup>

Bookrunner (Ranking on Market share)	Volume	No. of deals	Market share
ANZ (#1)	\$7.9b	49	30.8%
Closest peer (#2)	\$7.0b	39	27.2%

### ANZ Sustainable Finance deals<sup>3</sup>

Period	Number of deals (in period)	Number of deals (cumulative)
FY18	8	8
FY19	26	34
FY20	39	73
FY21	81	154
FY22	127	281
1H23	56	337

All issuers, Includes all sustainable bonds issued in the Australian markets by local and international issuers. 1 Jan 2014 to 2023 YTD. Source: KangaNews 24 April 2023

All issuers, Includes all sustainable bonds issued in the New Zealand markets by local and international issuers. 1 Jan 2014 to 2023 YTD. Source: KangaNews 18 March 2023

Number of labelled Sustainable Finance deals, including bonds & loans, that ANZ has participated in. Data is unaudited



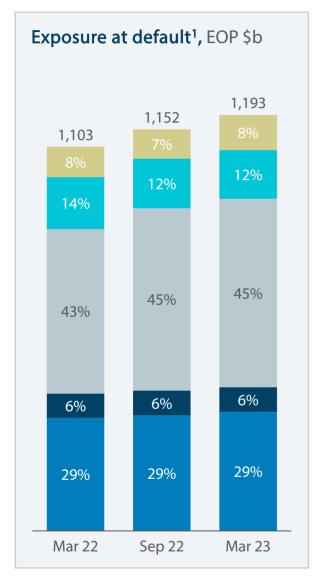
# 2023 HALF YEAR RESULTS

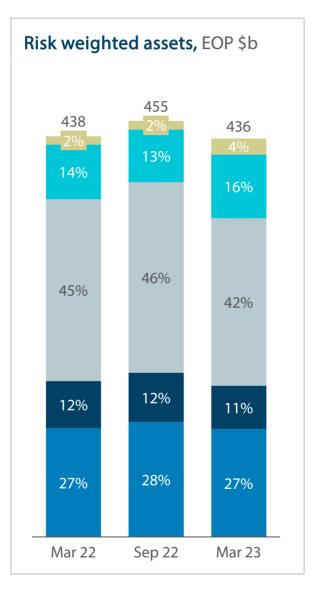
**INVESTOR DISCUSSION PACK** 

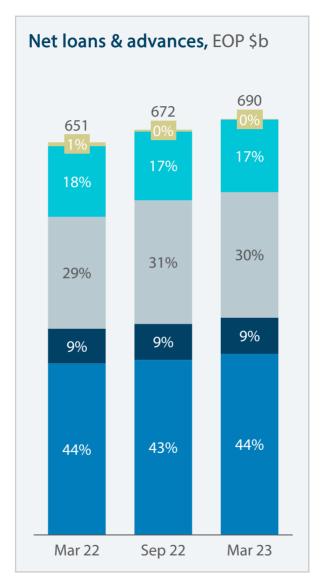
**GROUP PERFORMANCE** 

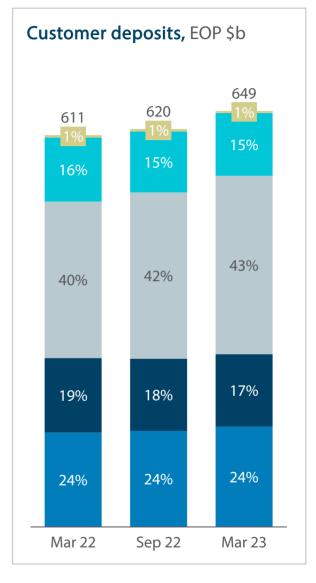


## **BALANCE SHEET COMPOSITION**







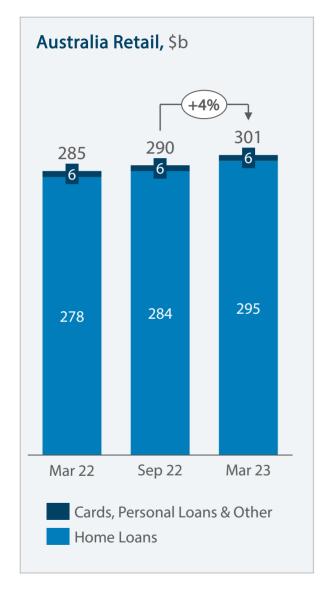


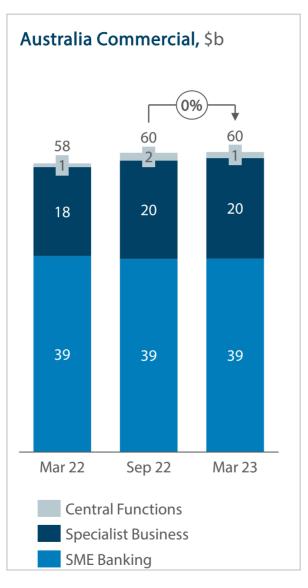


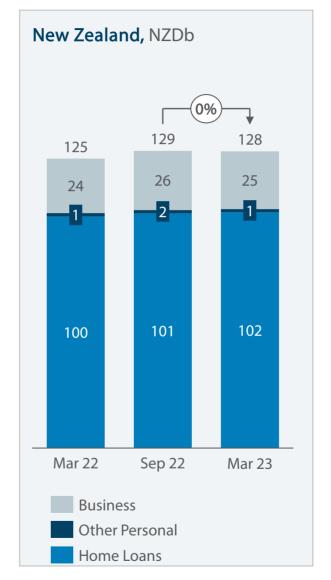
<sup>1.</sup> EAD excludes amounts for 'Securitisation' and 'Other Assets' Basel classes, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

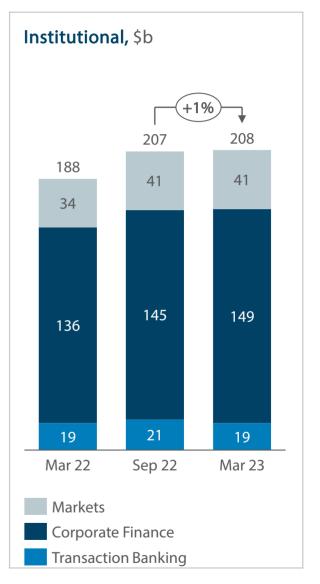


# **NET LOANS AND ADVANCES**



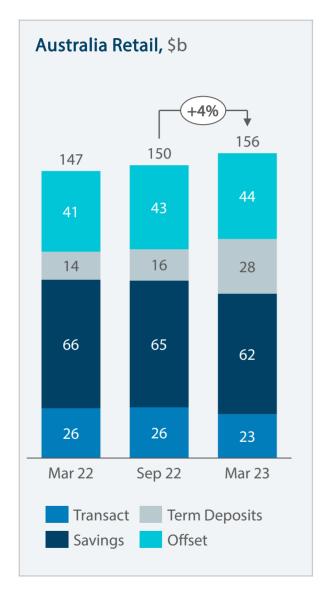


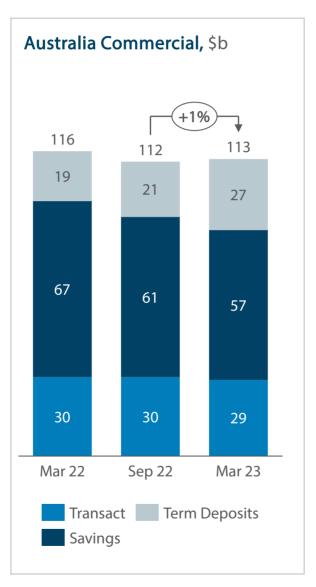


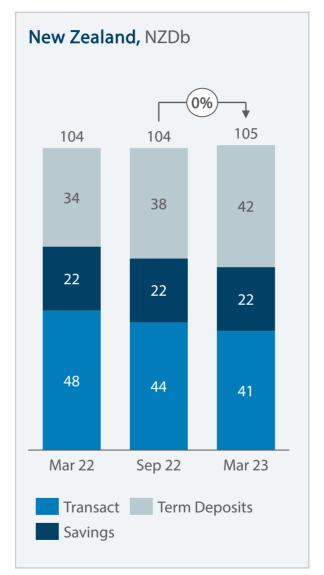


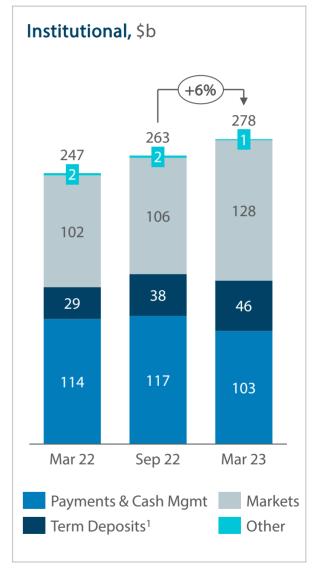


# **CUSTOMER DEPOSITS**









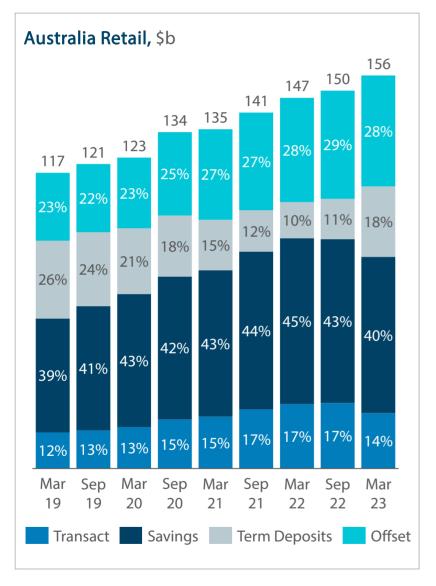
Basis: Cash Profit continuing operations

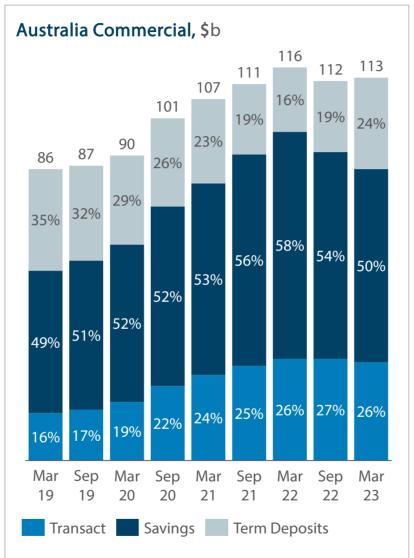
1. Excl. Markets Business Unit

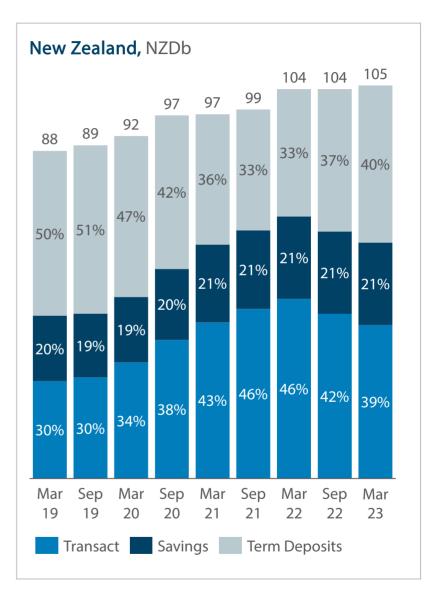
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# **CUSTOMER DEPOSITS - RETAIL & COMMERCIAL LONG TERM TREND**



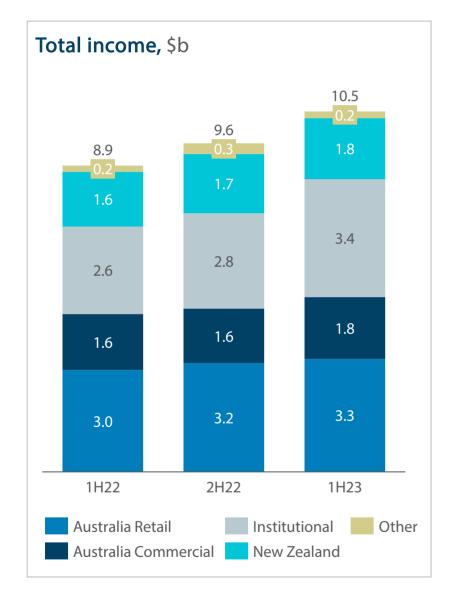


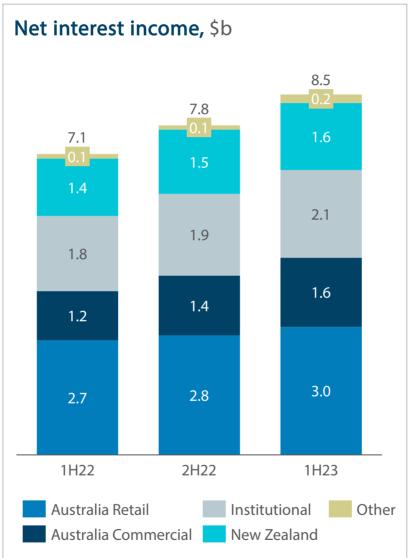


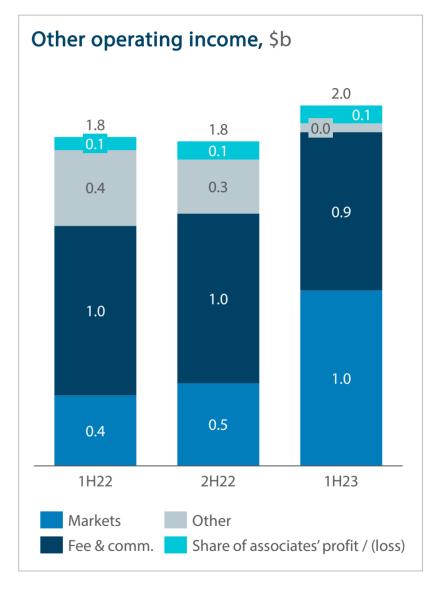
Basis: Cash Profit continuing operations

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# TOTAL OPERATING INCOME



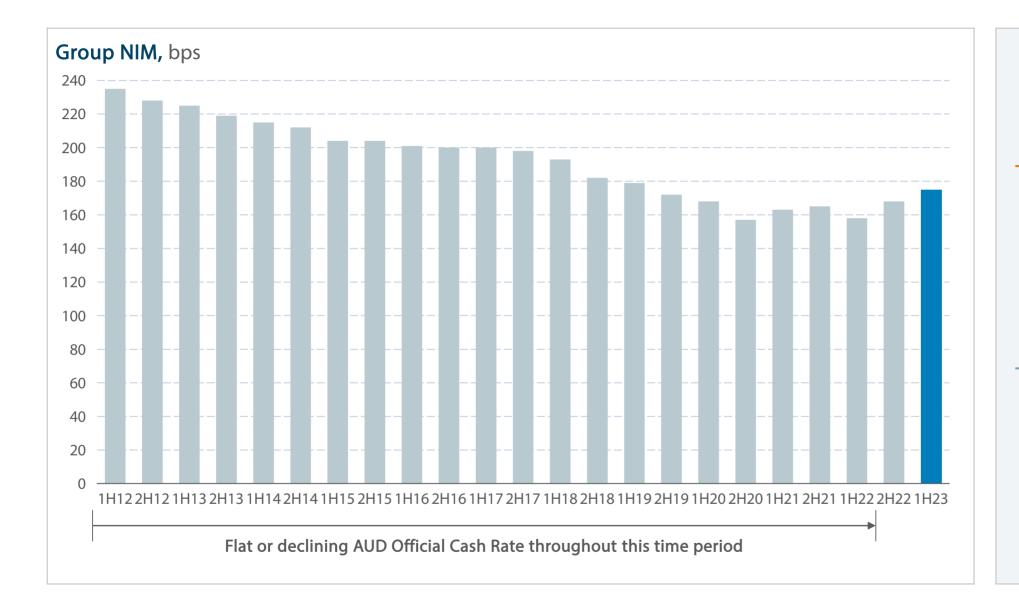




Basis: Cash Profit continuing operations



# REPORTED GROUP NET INTEREST MARGIN TREND<sup>1</sup>



### **Outlook** considerations



### **Tailwinds**

- Higher capital & replicated deposit earnings
- Potential for further rate tightening across geographies



### Headwinds

- Lending & deposit competition
- Deposit mix changes
- Higher wholesale funding costs

Basis: Cash Profit continuing operations

1. Group Net Interest Margin for each Half Year as reported in the original Results Announcement for each financial period



# THE RECENT TRAJECTORY ON NIM IS NOT UNIFORM ACROSS THE GROUP

## Quarterly Net Interest Margin trends – Group ex Markets and Treasury Diversified portfolio of businesses and access to opportunities in overseas markets offers a degree of relative margin stability outside of Australia Regional View, bps **Divisional View,** bps Avg 1H23 AIEA1, \$b Avg 1H23 AIEA<sup>1</sup>, \$b Aus Comm.<sup>2</sup> \$61b NZ Division \$119b Aus \$401b Institutional ex-Markets \$169b Rest of world \$67b Aus Retail \$254b 3Q22 **4Q22** 1023 2023 3Q22 4022 1Q23 2023



Rest of world Australia New Zealand

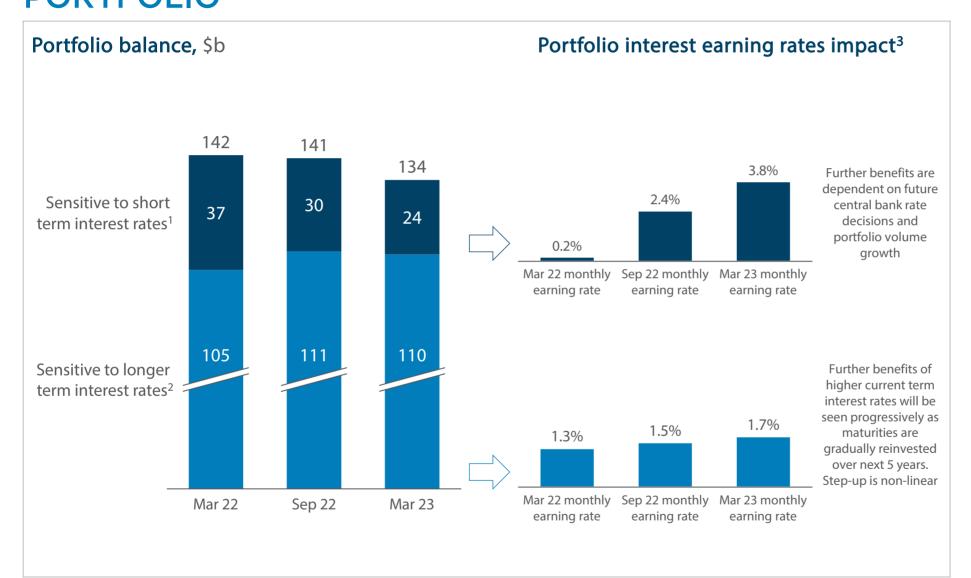
--- Aus Retail --- Institutional ex-Markets

Aus Comm. NZ Division

<sup>2.</sup> Australia Commercial division generates positive net interest income from surplus deposits held. Accordingly, \$59.5b of average deposits for the March 2023 quarter (Dec 22 quarter: \$59.1b; Sep 22 quarter: \$61.3b; Jun 22 quarter: \$64.3b) have been included within average net interest earning assets for the net interest margin calculation to align with internal management reporting view. AIEA of \$61b presented above represents lending assets only



# ONGOING MARGIN TAILWINDS FROM OUR CAPITAL AND REPLICATED PORTFOLIO



## Illustrative potential NII benefit Prospective benefit<sup>4</sup> from higher interest earning rates Relative to the prior FY23 2H23 (vs FY22) (vs 1H23) period Additional ~+\$1.3b ~+\$0.2b NII earned Delta on ~+13bps ~+5bps **Group NIM** FY23 benefits of ~\$1.3b (of which ~\$0.55b was realised in 1H23 and ~\$0.75b is expected to be realised in 2H23) is ~\$0.2bn lower than the FY23 estimate as at FY22 results. This is due to

lower term rates and reduced volume

This page may contain forward-looking statements or opinions. Please refer to ANZ's Disclaimer and Important Notice with respect to such statements on page 1

- 1. Overnight to 3 month interest rates
- 2. Primarily 3-to-5-year term interest rates
- 3. Mar 22, Sep 22 and Mar 23 month rates denote actual portfolio monthly earnings rate achieved
- 4. 2H23 illustration highlights the potential impact on NII assuming current longer term reinvestment rates are maintained, and shorter-term interest rates follow the path currently forecast by ANZ Research (as at 2nd May 2023). Rate timing and

and this a simplified analysis does not take into account further volume changes which may be expected over the next Half Year

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41

# INTEREST RATE SENSITIVITY

# Illustrative path & magnitude of movements

### Short term interest rate outlook – based on ANZ research forecasts<sup>1</sup>

Interest Rate Forecasts (%)	Jun 23	Sep 23	Dec 23	Mar 24	Jun 24	Sep 24	Dec 24
RBA Cash Rate	3.85	4.10	4.10	4.10	4.10	4.10	3.85
NZ OCR	5.50	5.50	5.50	5.50	5.50	5.25	4.75
US Fed Funds Rate <sup>2</sup>	5.50	5.50	5.50	5.25	5.00	4.75	4.50

## Current term interest rates earned on reinvestment of maturing capital and replicating portfolio tranches

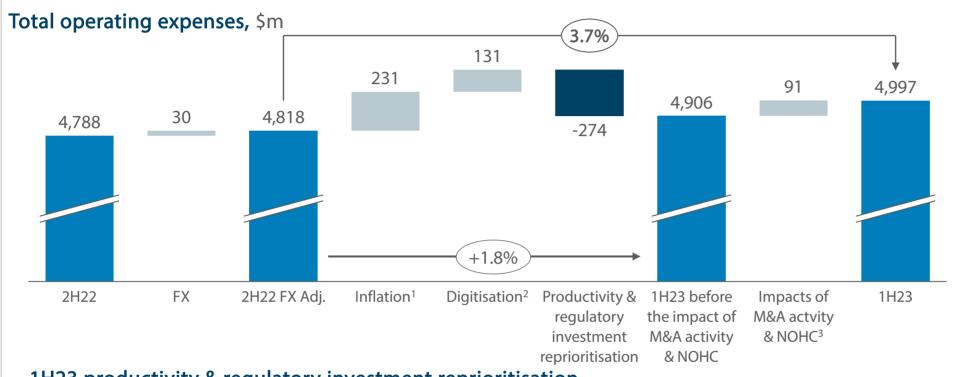
Term Interest Rates <sup>1</sup> (%)	Current
AUD 5 year	3.59
NZD 3 year	4.67
NZD 5 year	4.31
USD 1 year	4.74

1. Effective as at 2<sup>nd</sup> May 2023

2. For the US, the rate is the ceiling of Fed Fund's corridor

# ?

# **OPERATING EXPENSES**



# FY23 expense expectations

It remains likely that total expenses will increase by circa 5% in FY23 (off FY22 base of \$9.17b) on a constant currency basis

Adjusting for FX movements in the half the equivalent cost base is \$9.22b

## 1H23 productivity & regulatory investment reprioritisation

Evolving customer acquisition & distribution models

Optimised customer servicing & transaction processing

Technology modernisation

Property & enablement simplification

Investment rationalisation/re-prioritisation

Continued investment in digital channels; reduced physical presence

Further automated & simplified back office; increased customer self-service

 $Reviewed \ and \ updated \ network \ \& \ software \ contracts; simplified \ infrastructure$ 

Reduced corporate footprint; ongoing changes to Operating Model

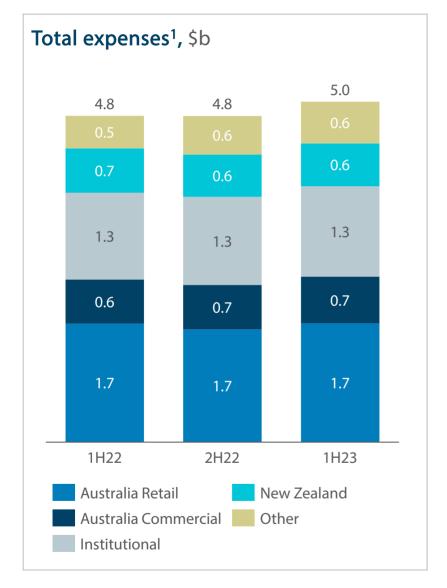
Reduced regulatory driven investment

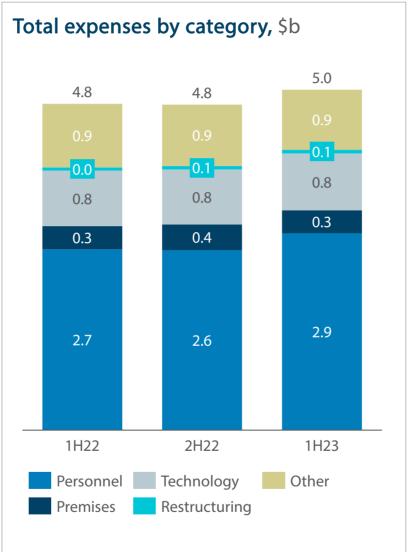
Basis: Cash Profit continuing operations

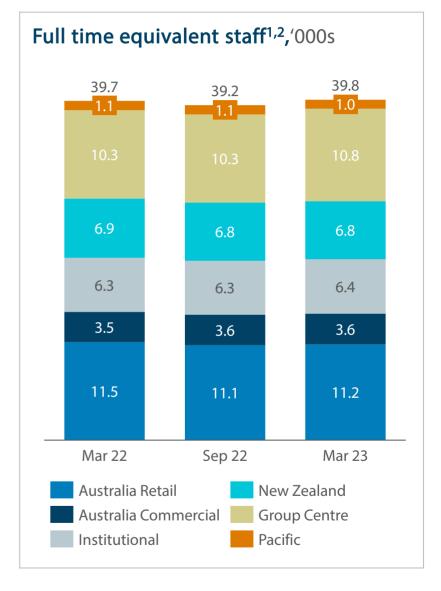
- I. Includes revaluation of leave provisions
- 2. Includes Cloud run & ANZ Plus run costs
- 3. Includes Suncorp Integration costs, NOHC establishment costs & costs previously attributed to discontinued operations

# 3

# **OPERATING EXPENSES**







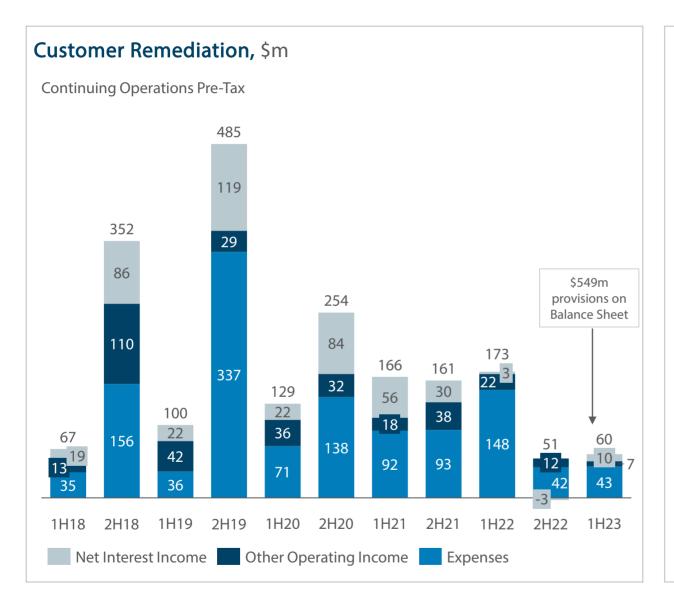
Basis: Cash Profit continuing operations

<sup>1.</sup> Prior periods have been restated to reflect the latest business structure

<sup>2.</sup> Comparative information has been restated to include FTE of the consolidated investments managed by 1835i Group Pty Ltd in the Group Centre division



# LARGE / NOTABLE ITEMS



# Large / Notable items, \$m

	1H22	2H22	1H23	1H23 mc	ovement
				vs 2H22 (HoH) \$m	vs 1H22 (PcP) \$m
Cash Profit impact	(41)	(113)	(161)	(48)	(120)
Business divestments/closures	249	(6)	-	6	(249)
Customer remediation and Litigation settlements	(133)	(43)	(42)	1	91
Restructuring	(31)	(37)	(38)	(1)	(7)
Transaction related costs <sup>1</sup>	-	(10)	(44)	(34)	(44)
Withholding tax	(126)	-	-	0	126
Property rationalisation	-	(17)	(37)	(20)	(37)

	1H22	2H22	1H23	1H23 movement	
				vs 2H22 (HoH) \$m	vs 1H22 (PcP) \$m
Cash Profit continuing operations	3,113	3,402	3,821	419	708
1H23 growth				+12%	+23%
Cash Profit continuing operations ex. large / notable items	3,154	3,515	3,982	467	828
1H23 growth				+13%	+26%

Basis: Cash Profit continuing operations

1. Associated with establishing the new group organisational structure and the pending Suncorp Bank acquisition



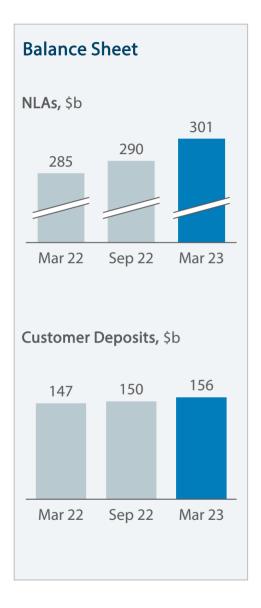
# 2023 HALF YEAR RESULTS

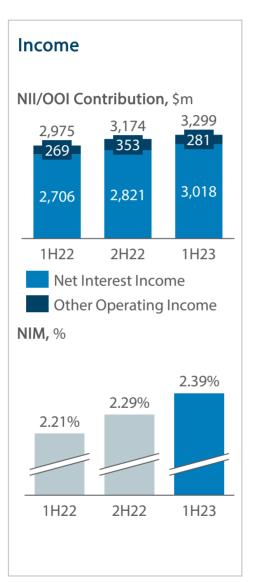
**INVESTOR DISCUSSION PACK** 

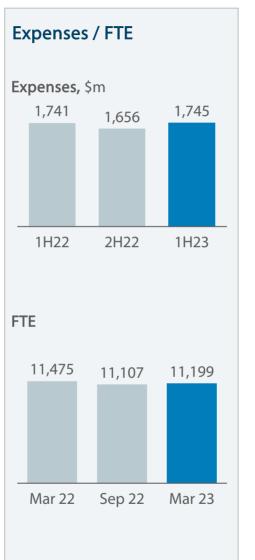
**DIVISIONAL PERFORMANCE** 

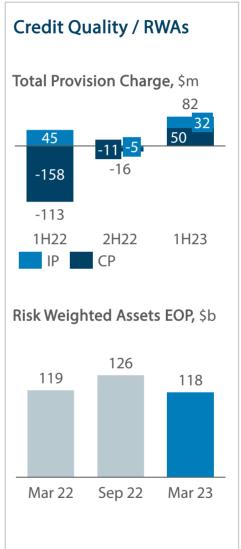


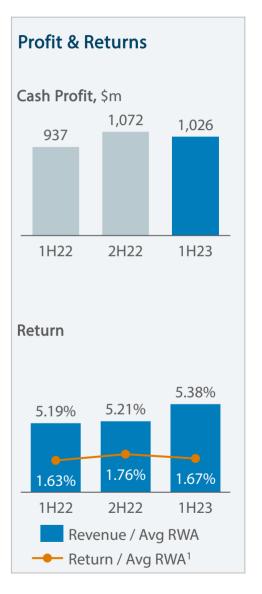
# **AUSTRALIA RETAIL - FINANCIAL PERFORMANCE**









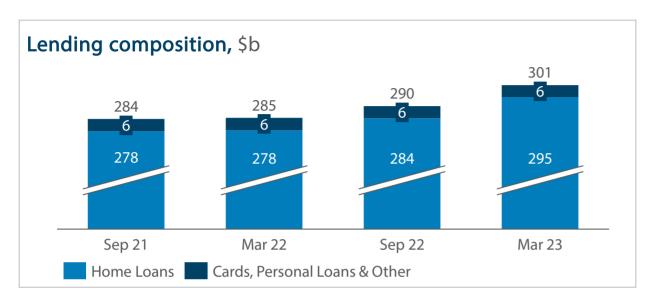


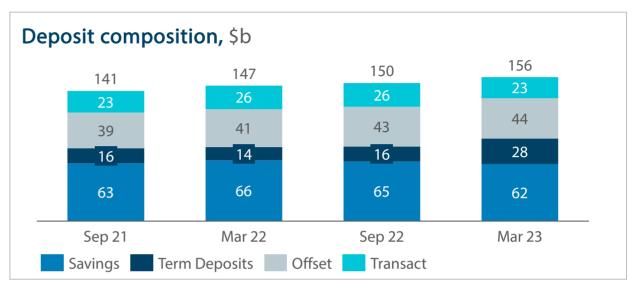
Basis: Continuing Operations including Large / Notable items

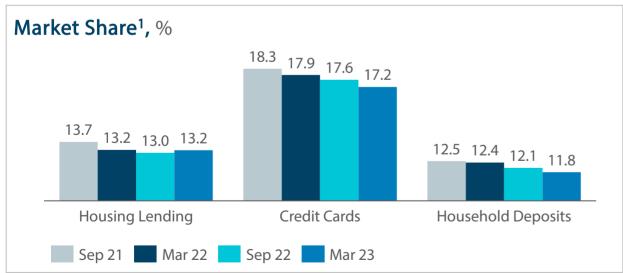
<sup>1.</sup> Cash profit divided by average Risk Weighted Assets



# **AUSTRALIA RETAIL - LOANS & DEPOSITS**







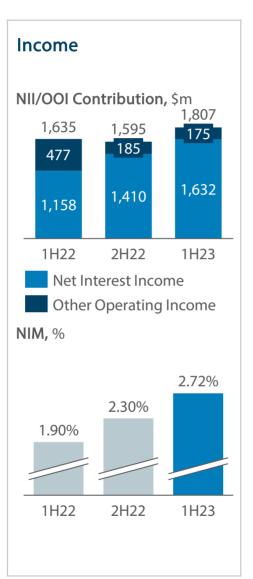


<sup>1.</sup> Source: APRA Monthly Authorised Deposit-taking Institution Statistics (MADIS)



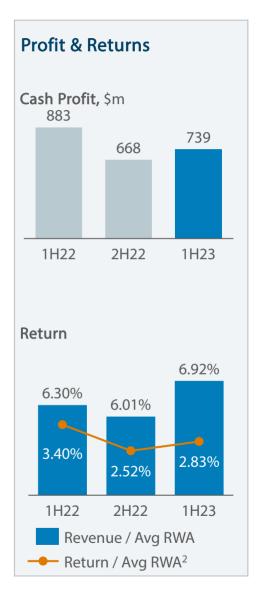
# AUSTRALIA COMMERCIAL - FINANCIAL PERFORMANCE











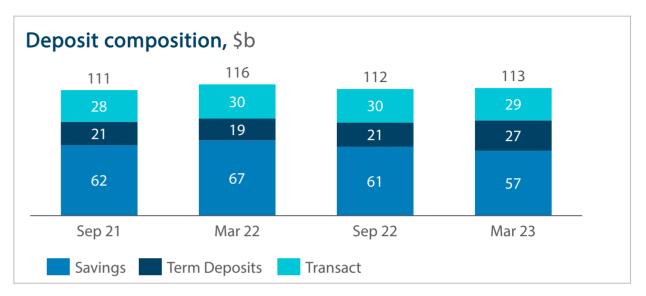
Basis: Continuing Operations including Large / Notable items

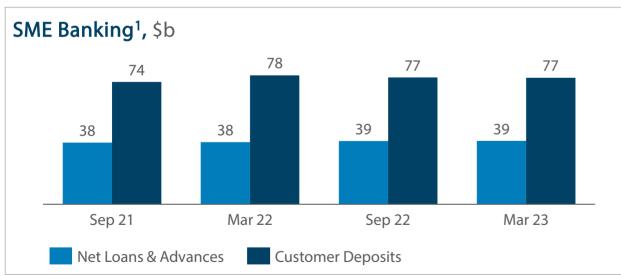
- 1. Asset Finance run-off businesses have been excluded from NLAs
- 2. Cash profit divided by average Risk Weighted Assets

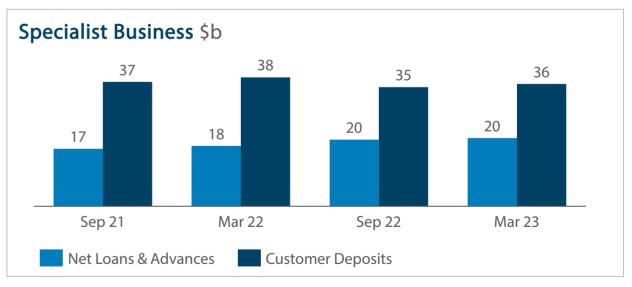


# **AUSTRALIA COMMERCIAL - LOANS & DEPOSITS**





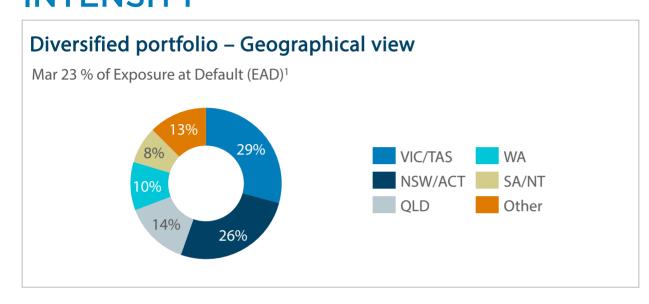


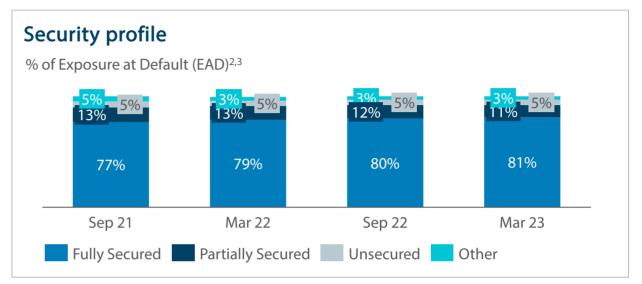


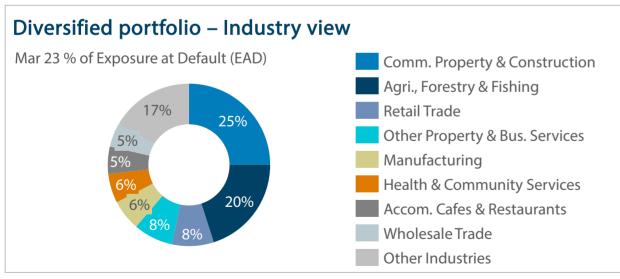
<sup>1.</sup> Asset Finance run-off businesses have been excluded from NLAs

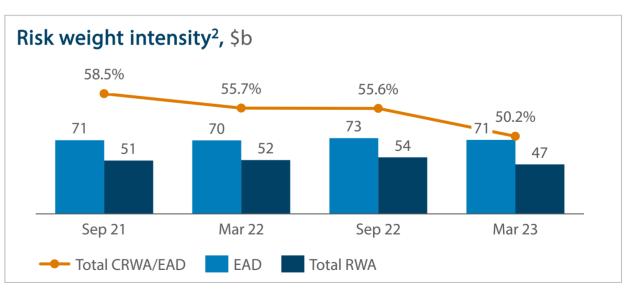


# AUSTRALIA COMMERCIAL - BOOK COMPOSITION & RISK WEIGHT INTENSITY





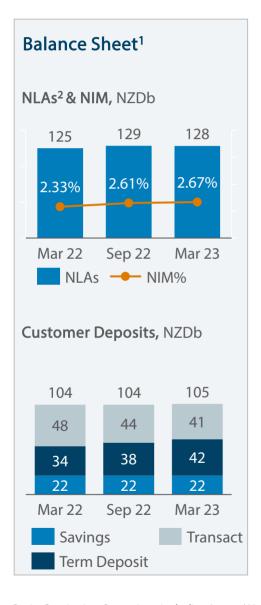


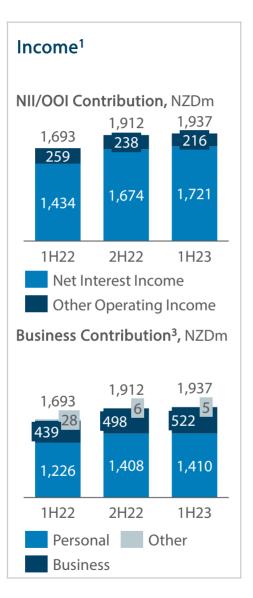


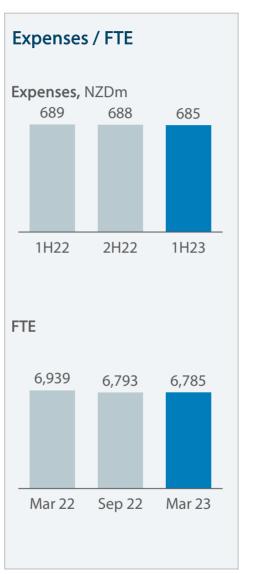
- 1. States based on primary postcode. 'Other' refers to exposures not reported against a specific state. Some postcodes occur across two states
- 2. Excludes the Merchants divested business results in the Sep 21 period
- 3. Fully Secured on a market value basis. Other includes loans secured by cash or via sovereign backing

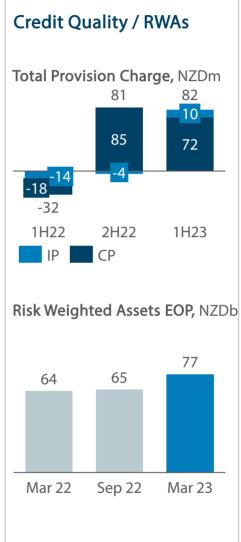


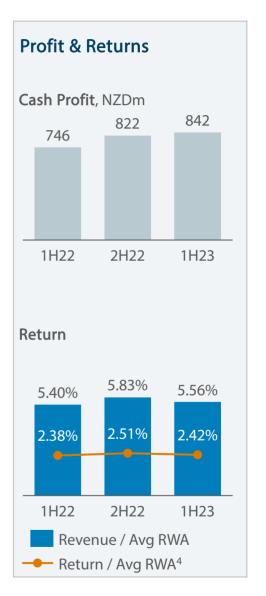
# NEW ZEALAND DIVISION - FINANCIAL PERFORMANCE









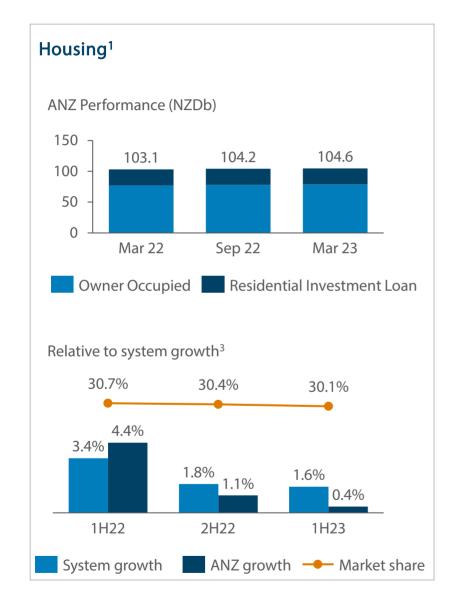


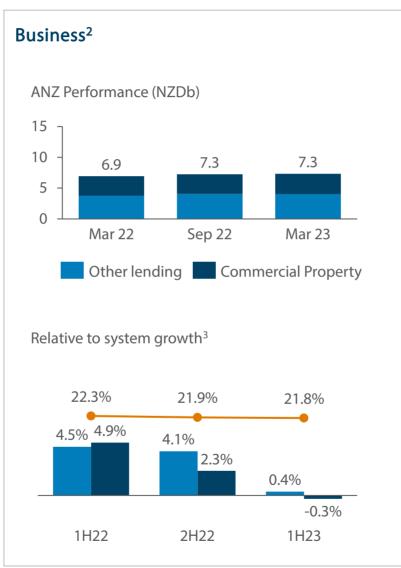
Basis: Continuing Operations including Large / Notable items

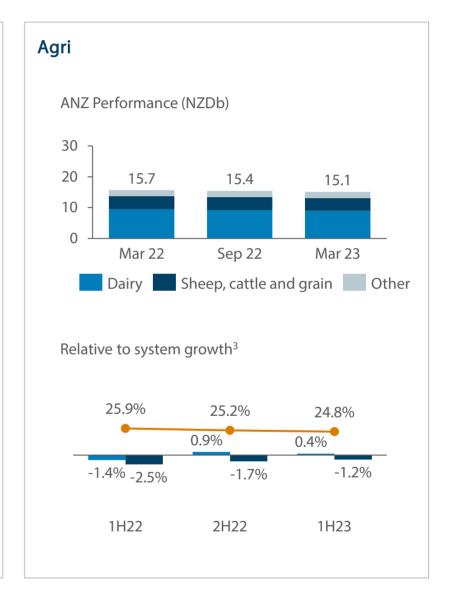
- 1. During 2H22 Business was re-segmented for large Agri customers; 1H22 not restated
- NLAs: Net Loans & Advances
- 3. During 1H22 business units were reorganised from Retail and Commercial to Personal and Business which resulted in some customer re-segmentation
- Cash profit divided by average Risk Weighted Assets



# **NEW ZEALAND DIVISION - BALANCE SHEET**







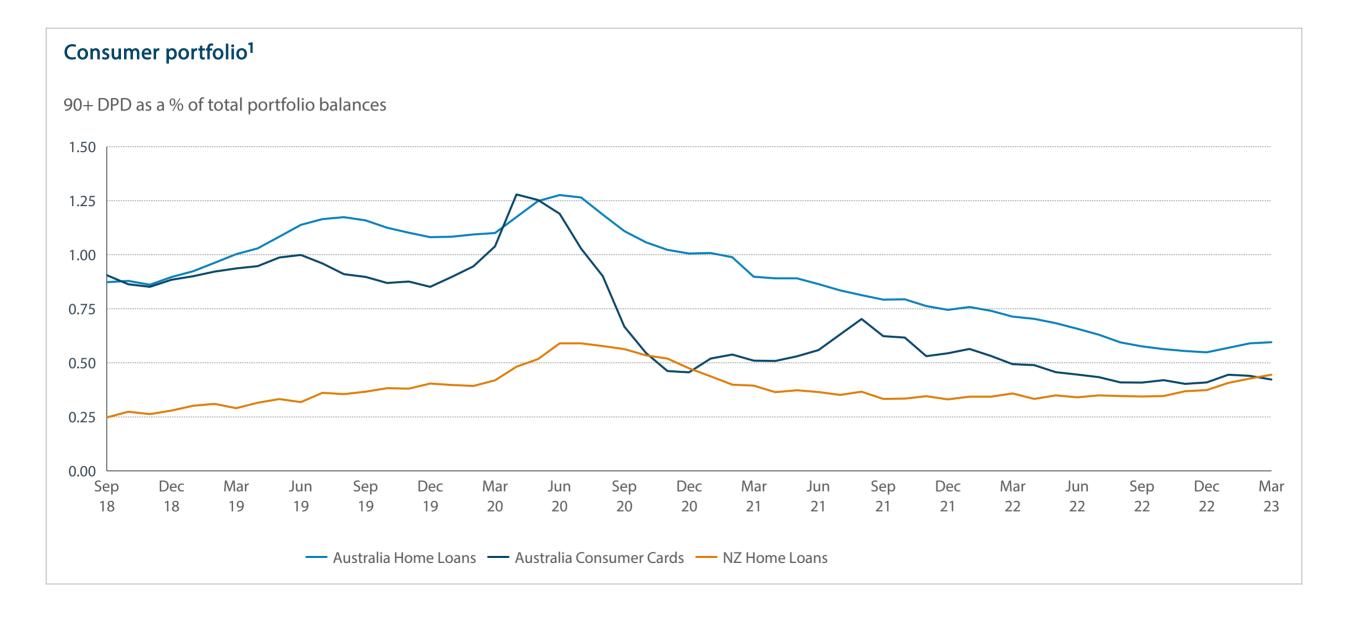
<sup>1.</sup> Housing includes business loans secured by residential properties

Business excludes business loans secured by residential properties

<sup>8.</sup> Source: RBNZ, market share at NZ Geography level



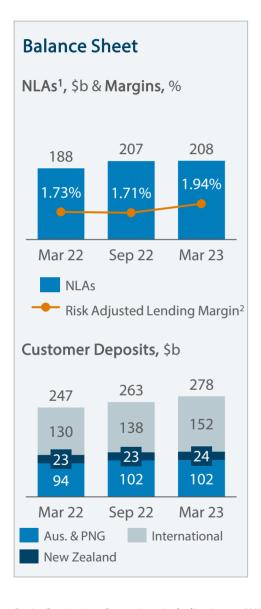
# AUSTRALIA & NEW ZEALAND 90+ DAYS PAST DUE (DPD)

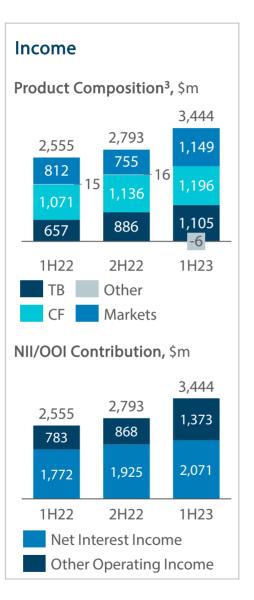


<sup>1.</sup> Includes Non Performing Loans. ANZ delinquencies are calculated on a missed payment basis for amortising and Interest Only loans. Australia Home Loans 90+ between Mar-20 and Jun-20 excludes eligible Home Loans accounts that had requested COVID-19 assistance but due to delays in processing had not had the loan repayment deferral applied to the account



# **INSTITUTIONAL - FINANCIAL PERFORMANCE**









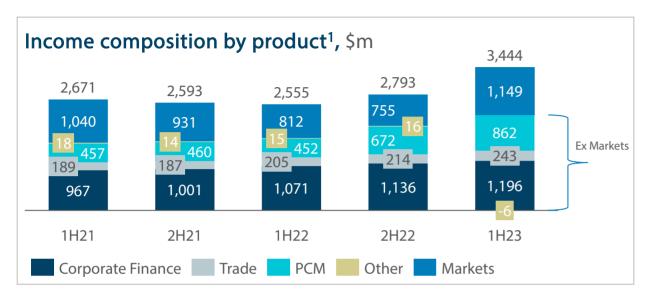


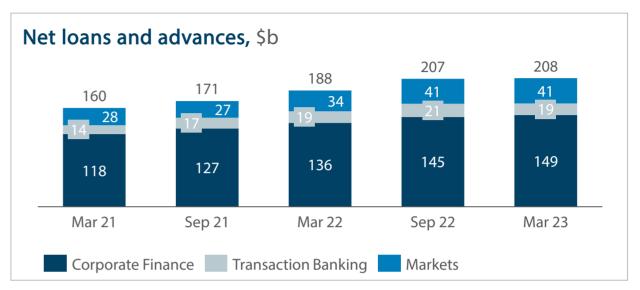
 $Basis: Continuing\ Operations\ including\ Large\ /\ Notable\ items$ 

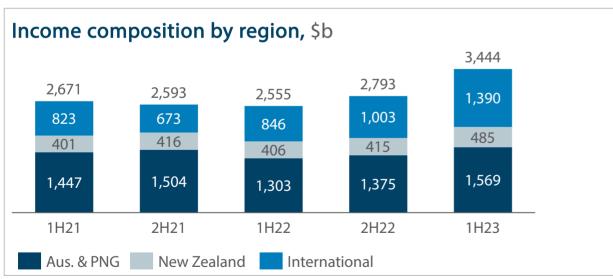
- 1. NLAs: Net Loans & Advances
- 2. Risk Adjusted Lending Margin is calculated as Net Interest Income divided by average Credit Risk Weighted Assets for Corporate Finance and Trade
- 3. TB: Transaction Banking; CF: Corporate Finance
- 4. Cash profit divided by average Risk Weighted Assets

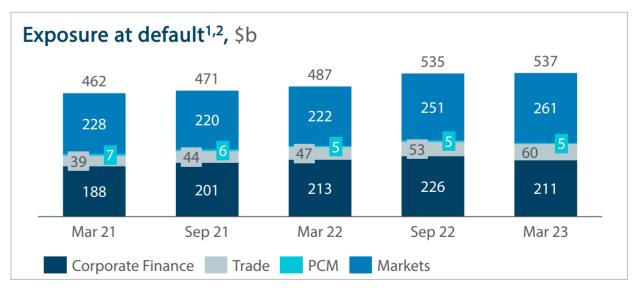


# **INSTITUTIONAL - INCOME & ASSET COMPOSITION**









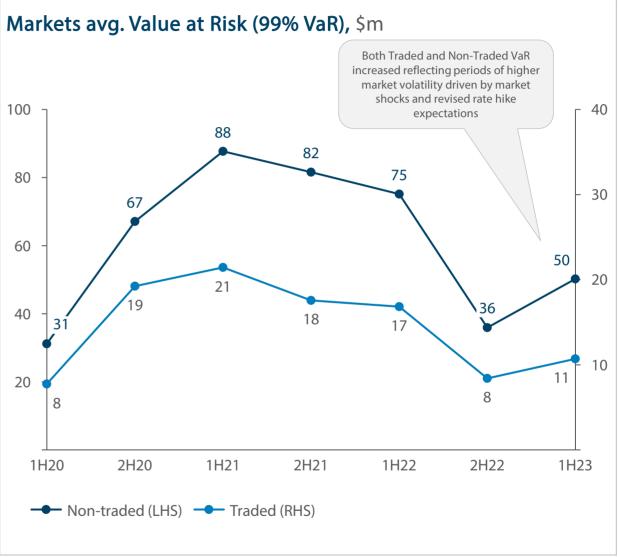
Basis: Continuing Operations including Large / Notable items

- 1. Trade: Trade & Supply Chain; PCM: Payments & Cash Management
- 2. Exposure at default excludes amounts for 'Securitisation' and 'Other Assets' Basel classes, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

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# **INSTITUTIONAL - MARKETS INCOME COMPOSITION**





Basis: Continuing Operations including Large / Notable items



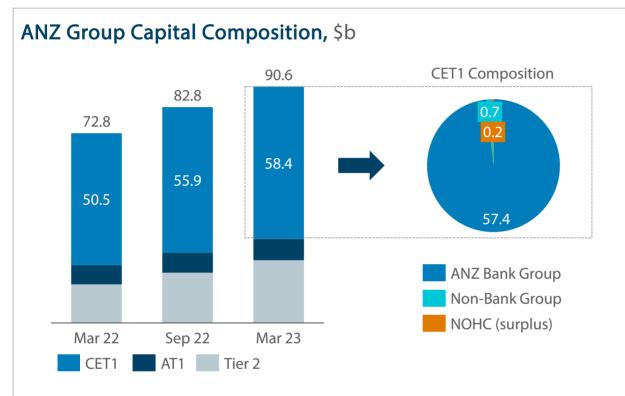
# 2023 HALF YEAR RESULTS

**INVESTOR DISCUSSION PACK** 

**TREASURY** 



# ANZ GROUP CAPITAL



- There is no material change to capital ratios in ANZ Bank Group post NOHC restructure as the majority of capital remained in ANZ Bank Group. The ANZ Bank Group's capital requirements will continue to be determined by existing APRA requirements applied to ADIs
- ANZ Non-Bank Group capital is assessed by using an economic capital model (ECM). Capital held within the Non-Bank Group is required to be equivalent to, or greater than economic capital at all times

ANZ Bank Group Key Capital Ratios (%)	Mar 22	Sep 22	Mar 23 <sup>1</sup>
Level 2 CET1 capital ratio	11.5	12.3	13.2
Level 2 CET1 HoH mvmt	-81 bps	+76 bps	+89 bps
Additional Tier 1 capital ratio	1.7	1.7	1.9
Tier 1 capital ratio	13.2	14.0	15.1
Tier 2 capital ratio	3.4	4.2	5.5
Total regulatory capital ratio	16.6	18.2	20.6
Leverage ratio	5.2	5.4	5.3
Risk weighted assets	\$437.9b	\$454.7b	\$435.5b
Level 1 CET1 capital ratio	11.1	12.0	12.9
Level 1 CET1 HoH mvmt	-94 bps	+94 bps	+90 bps
Level 2 vs Level 1 mvmt	13 bps	-18 bps	-1 bps
Level 1 risk weighted assets	\$370.7b	\$392.0b	\$370.4b
Internationally comparable ratios <sup>2</sup> (%)			
Leverage ratio	5.9	6.1	5.9
Level 2 CET1 capital ratio	18.0	19.2	18.9

<sup>1.</sup> Mar 23 capital balances include APRA Capital Reform updates which impact the calculation of credit RWA and Operational RWA

<sup>2.</sup> Mar 23 Internationally Comparable methodology aligns with The Australia Banking Association BASEL 3.1 Capital Comparison Study (Mar 2023). September 22 and March 22 Internationally Comparable methodology align with APRA's information paper entitled 'International Capital Comparison Study' (13 July 2015).



# **REGULATORY CAPITAL - 1H23 UPDATE**

## **ANZ Bank Group Capital update**

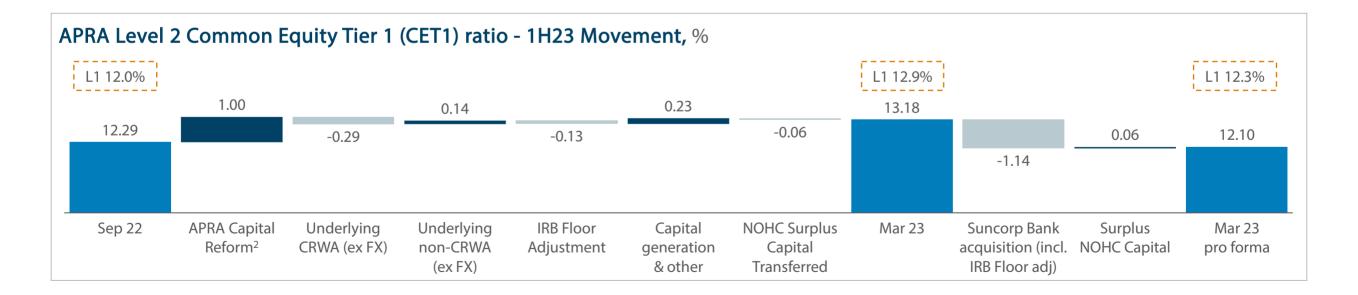
- Level 2 CET1 ratio of 13.2% (18.9% on an Internationally Comparable basis¹) or ~12.1% on a pro forma basis including Suncorp Bank acquisition and surplus capital in NOHC.
   This is above the operating range (11% 11.5%) advised by APRA's guidance released in July 22
- CRWA growth mainly reflects increased volume in Retail Australia and Institutional;
   IRRBB RWA decrease partially offset by increase in Market Risk RWA
- Leverage ratio of 5.3% (or 5.9% on an Internationally Comparable basis)
- $\bullet$  Level 1 CET1 ratio of 12.9% or ~12.3% pro forma for the Suncorp Bank acquisition

## **ANZ Group Dividend**

• Interim Dividend of 81 cents fully franked, ~64% DPOR on 1H23 Cash profit from continuing operations (~61% DPOR on a excl. LNI basis)

## Regulatory update

- APRA Capital Reforms took effect from 1 January 2023 with benefits from reduction in RWA offset by increased capital buffers.
- On track with RBNZ capital reform transition, including issuance of RBNZ compliant capital securities

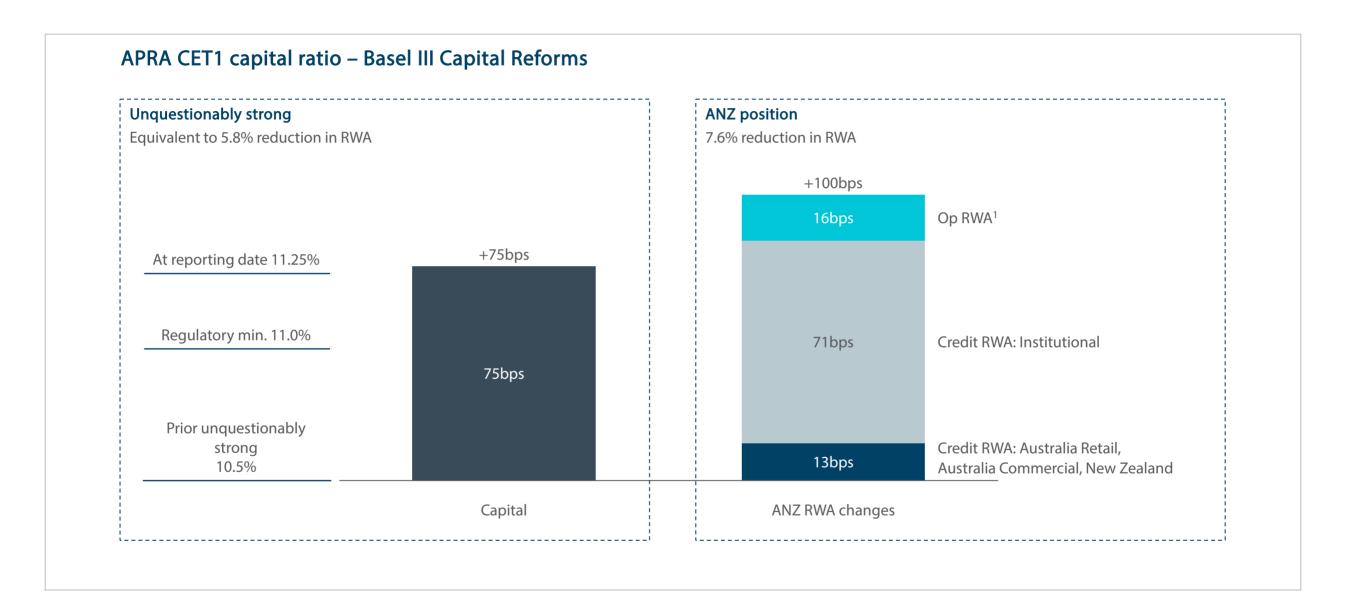


Internationally Comparable methodology aligns with The Australia Banking Association BASEL 3.1 Capital Comparison Study (Mar 2023)

<sup>2.</sup> Capital Reform impacts includes \$28.5bn CRWA decrease and \$6.0 billion Operational Risk RWA decrease

# ?

# **BASEL III CET1 REFORMS**



<sup>1.</sup> As noted in ANZ's First Quarter 2023 chart pack released on 9 February 2023



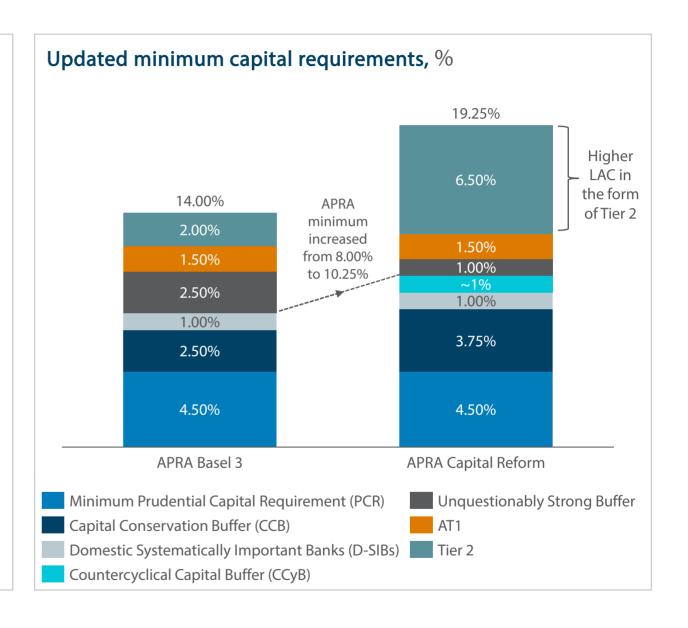
# BASEL III CET1 REFORMS AND TLAC FINALISATION

#### **APRA CET1 reforms**

- APRA Capital Reforms took effect from 1 January 2023 with benefits from reduction in RWA partially offset by increased capital buffers
- Enhancing risk sensitivity in residential and commercial property portfolios.
   Higher capital requirement segments such as interest only and investor mortgages
- 72.5% output floor to limit the gap between Standardised and Advanced ADIs
- Aligning CRWA of New Zealand banking subsidiaries by applying a similar framework to Reserve Bank of New Zealand
- Minimum CET1 ratio 10.25% which includes a baseline countercyclical capital buffer (CCyB) of 1% of Australian assets that can be released in times of systemic stress<sup>1</sup>
- ANZ's CCyB for Mar 23 of 0.62% was lower than 1.00% given ANZ's mix of geographic exposures
- APRA's guidance released in July 22 expected major banks to target an operating range between 11% and 11.5% (average of 11.25%), with the lower end being the minimum expectations post Group dividend payment

#### **TLAC** finalisation

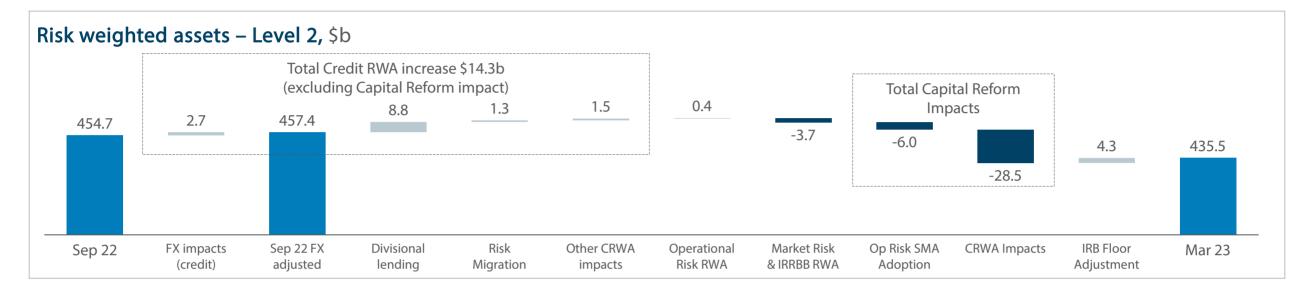
- APRA finalised TLAC requirements at 6.5% of RWA in the form of Tier 2 capital
- Implementation on 1 January 2026
- Interim target of 5% of RWA in the form of Tier 2 capital remains at 1 January 2024

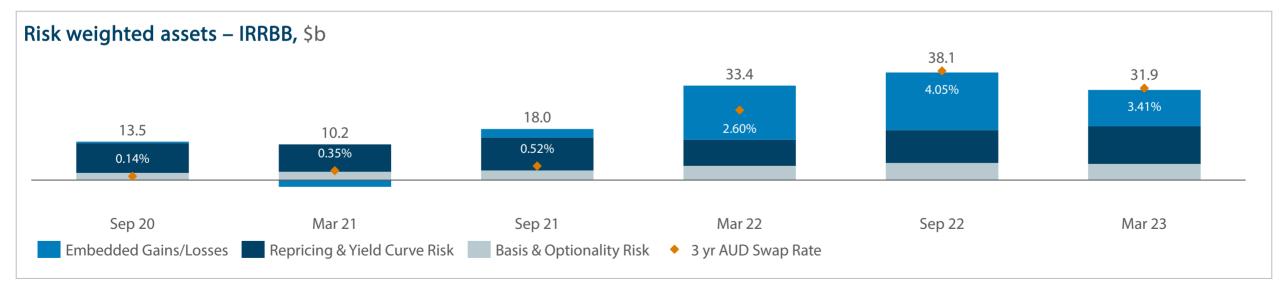


<sup>1.</sup> The CCyB is calculated on a bank's Australian assets only. The final CCyB requirement will reduce based on a bank's international exposures



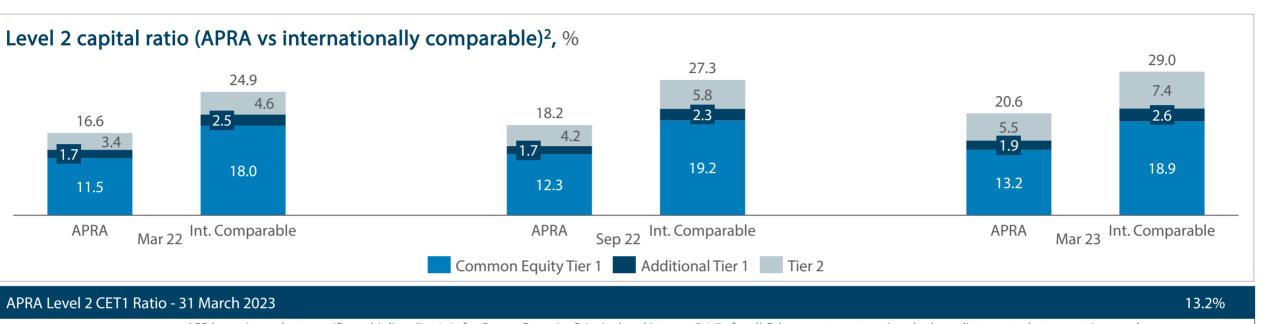
# **REGULATORY CAPITAL - RISK WEIGHTED ASSETS**







# INTERNATIONALLY COMPARABLE REGULATORY CAPITAL POSITION



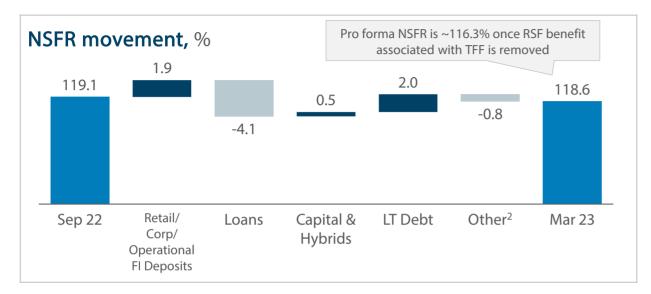
APRA Level 2 CET1 Ratio -	31 March 2023	13.2%
Residential Mortgages	APRA requires cohort specific multipliers (i.e. 1.4x for Owner Occupier Principal and Interest & 1.7x for all Other mortgage types) and other adjustments that are not imposed by Basel	+ 1.1%
IRB Scaling Factor	APRA requires a scaling factor of 1.1 times for all Risk Weighted Assets, unlike Basel	+ 1.0%
New Zealand Exposures	APRA requires the use of Reserve Bank of New Zealand (RBNZ) capital rules to calculate the Credit Risk Weighted Assets for all New Zealand subsidiary credit exposures, which are generally more conservative than the Basel rules	+ 0.9%
Equity Investments & DTA	APRA requires 100% deduction from CET1, unlike Basel	+ 0.9%
IRRBB RWA	APRA includes IRRBB in Pillar 1 RWA, which is not a requirement under Basel	+ 0.8%
Non-Retail Loss Given Default	APRA specifies non-retail LGDs that are lower than Basel for sovereigns (5% or 25%) and critical infrastructure operators (25%), but higher for other general corporate exposures (50%)	+ 0.6%
Other Risk Weighted Assets	Includes impact of reversing APRA required 1.5x scalar for IPRE exposures and conservative supervisory slotting risk weights for project, object and commodity finance	+ 0.2%
Other Capital	Includes impact of reversing APRA required deductions from CET1 for capitalised expenses & deferred fee income	+ 0.2%
Basel III Internationally Co	mparable CET1 Ratio - 31 March 2023	18.9%

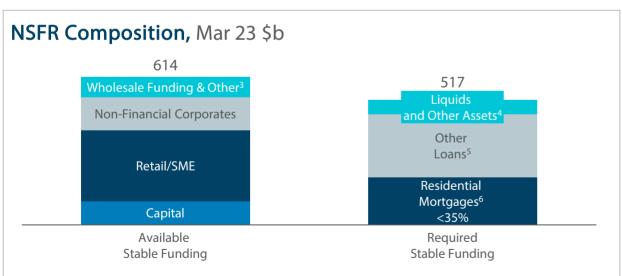
<sup>1.</sup> Mar 23 Internationally Comparable methodology aligns with The Australia Banking Association BASEL 3.1 Capital Comparison Study (Mar 2023). September 22 and March 22 Internationally Comparable methodology align with APRA's information paper entitled 'International Capital Comparison Study' (13 July 2015)

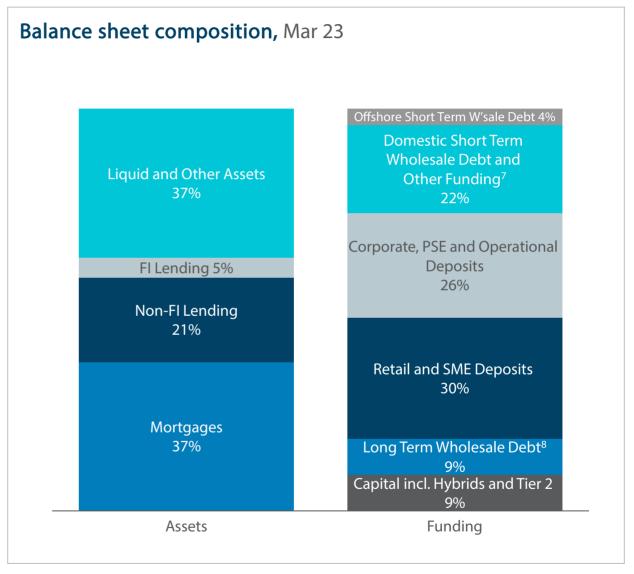
<sup>2.</sup> Sum of individual capital ratios may not be equal to Total Capital ratio due to rounding



# BALANCE SHEET STRUCTURE<sup>1</sup>



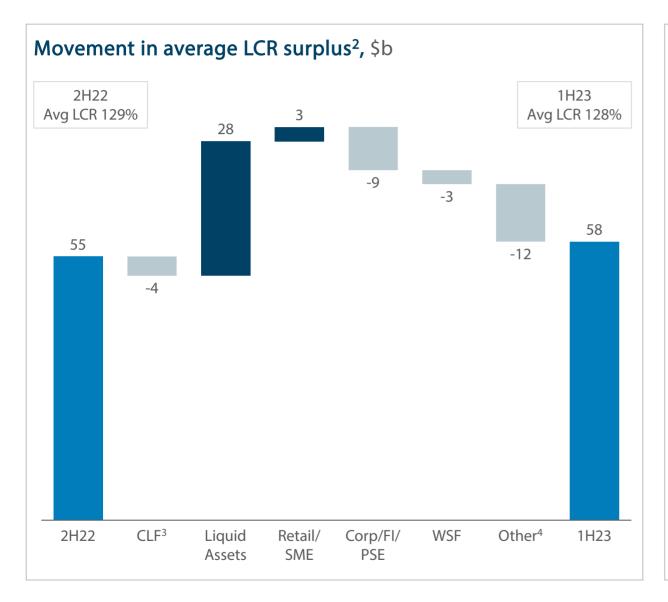


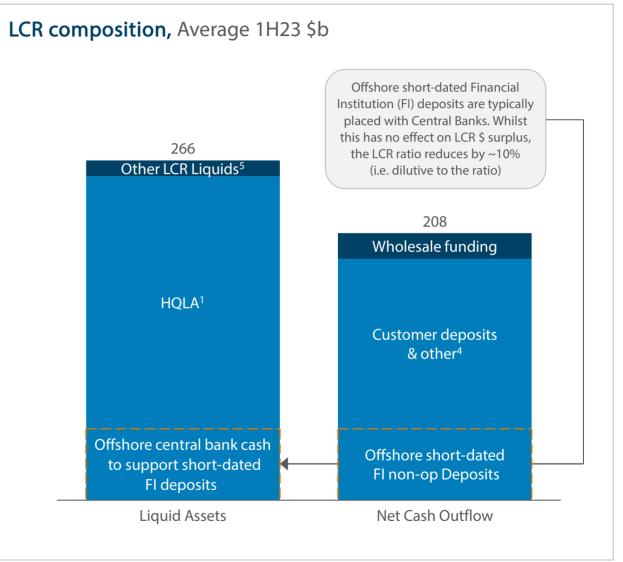


<sup>1.</sup> NSFR Required Stable Funding (RSF) and Available Stable Funding (ASF) categories and all figures shown are on a Level 2 basis per APRA prudential standard APS210 2. Includes Securities, Derivatives, Other Assets and net FX impacts 3. 'Other' includes Sovereign, and non-operational FI Deposits 4. 'Other Assets' include Off Balance Sheet, Derivatives, and Fixed Assets 5. All lending >35% Risk weight 6. <35% Risk weighting as per APRA Prudential Standard 112 Capital Adequacy: Standardized Approach to Credit Risk 7. Includes FI/Bank deposits, Repo funding and other short dated liabilities 8. Includes Central Bank Term Funding (RBA TFF, RBNZ FLP/TLF)



# LIQUIDITY COVERAGE RATIO (LCR) SUMMARY<sup>1</sup>

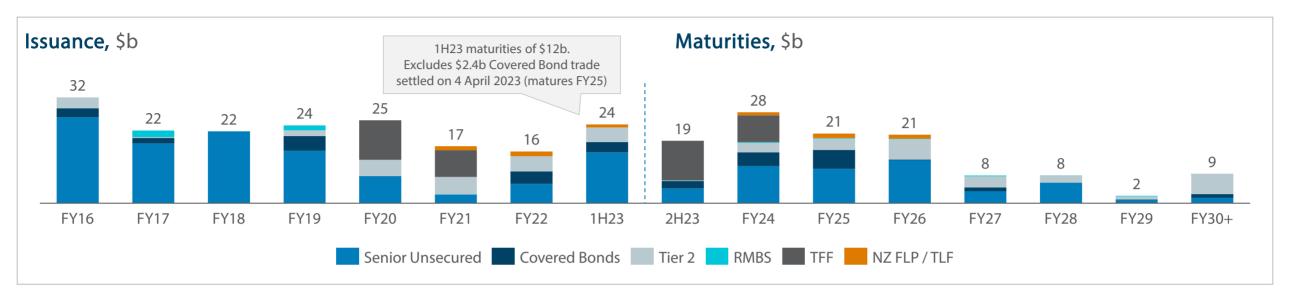


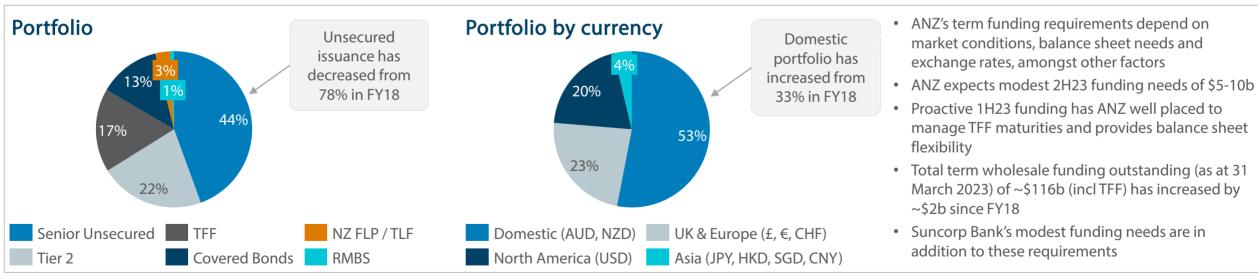


- 1. All figures shown on a Level 2 basis as per APRA Prudential Standard APS210
- 2. LCR surplus excludes surplus liquids considered non-transferrable across the Group. As at 31 March 2023, this included \$14b of surplus liquids held in NZ
- . ANZ's remaining CLF was reduced by \$2.7bn on 1 January 2023
- 4. 'Other' includes off-balance sheet and cash inflows
- Other includes on-balance sheet and cash lilliows

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# TERM WHOLESALE FUNDING PORTFOLIO<sup>1</sup>





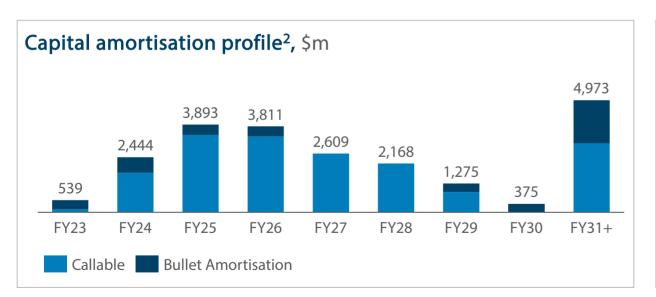
<sup>1.</sup> All figures based on historical FX and exclude AT1. Includes transactions with an original call or maturity date greater than 12 months as at the respective reporting date. Tier 2 maturity profile is based on the next callable date

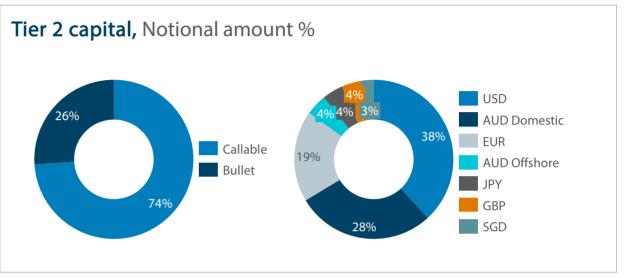
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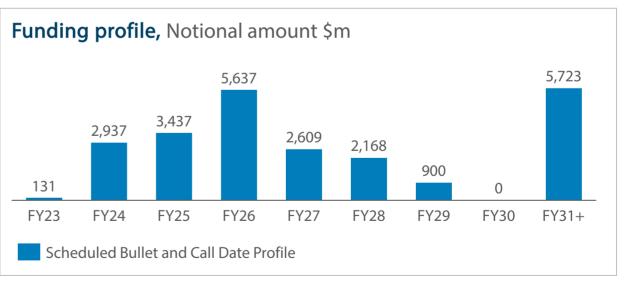
# TIER 2 CAPITAL PROFILE<sup>1</sup>

# ANZ's Tier 2 capital requirement to progressively increase to meet TLAC requirement

- ANZBGL has issued \$19.7b since July 2019 across AUD, EUR, GBP, JPY, SGD and USD
- APRA announced a finalised Tier 2 capital requirement of 6.5% of RWA by 1 January 2026 (current Tier 2 ratio is 5.5%)
- Suncorp Bank related RWA requires ~\$2.5b of additional Tier 2 TLAC requirements by 1 January 2026
- ANZBGL expects 2H23 Tier 2 requirements of \$1.5-2.0b (inclusive of Suncorp Bank requirements)
- Planned issuance in multiple currencies in both callable and bullet format
- In addition to ANZBGL TLAC, ANZ NZ has modest Tier 2 requirements of 2% of ANZ NZ RWA by 2028 under RBNZ requirements. ANZ NZ has issued NZD ~\$1.4b Tier 2 under these rules since Sept 2021
- Well managed amortisation profile provides flexibility regarding issuance tenor
- All Tier 2 calls are subject to APRA approval





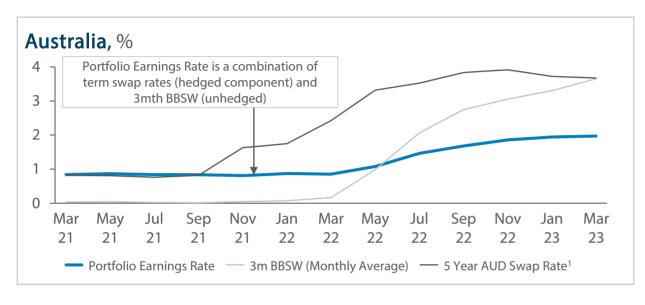


<sup>1.</sup> Profile is AUD equivalent based on historical FX, excluding Perpetual Floating rate notes issued 30 October 1986, ANZ NZ \$600m floating rate notes issued September 2021 and ANZ NZ USD\$500m fixed rate notes issued August 2022. Comprises Tier 2 capital in the form of Capital Securities only (i.e. does not include other Tier 2 capital such as eligible General reserve for impairment of financial assets)

<sup>2.</sup> Amortisation profile is modelled based on scheduled first call date for callable structures and in line with APRA's amortisation requirements for bullet structures

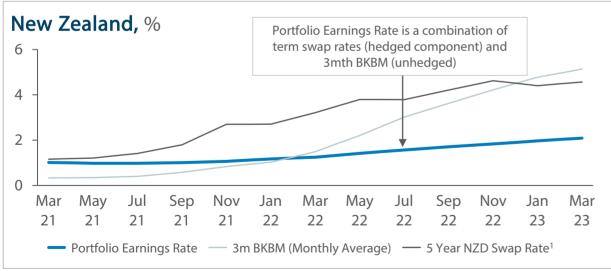


# **CAPITAL & REPLICATING DEPOSITS PORTFOLIO**



## Portfolio earnings rate, Average %

	Australia	New Zealand
1H20	1.64%	1.88%
2H20	1.20%	1.40%
1H21	0.92%	1.09%
2H21	0.85%	0.99%
1H22	0.84%	1.13%
2H22	1.32%	1.53%
1H23	1.90%	1.93%



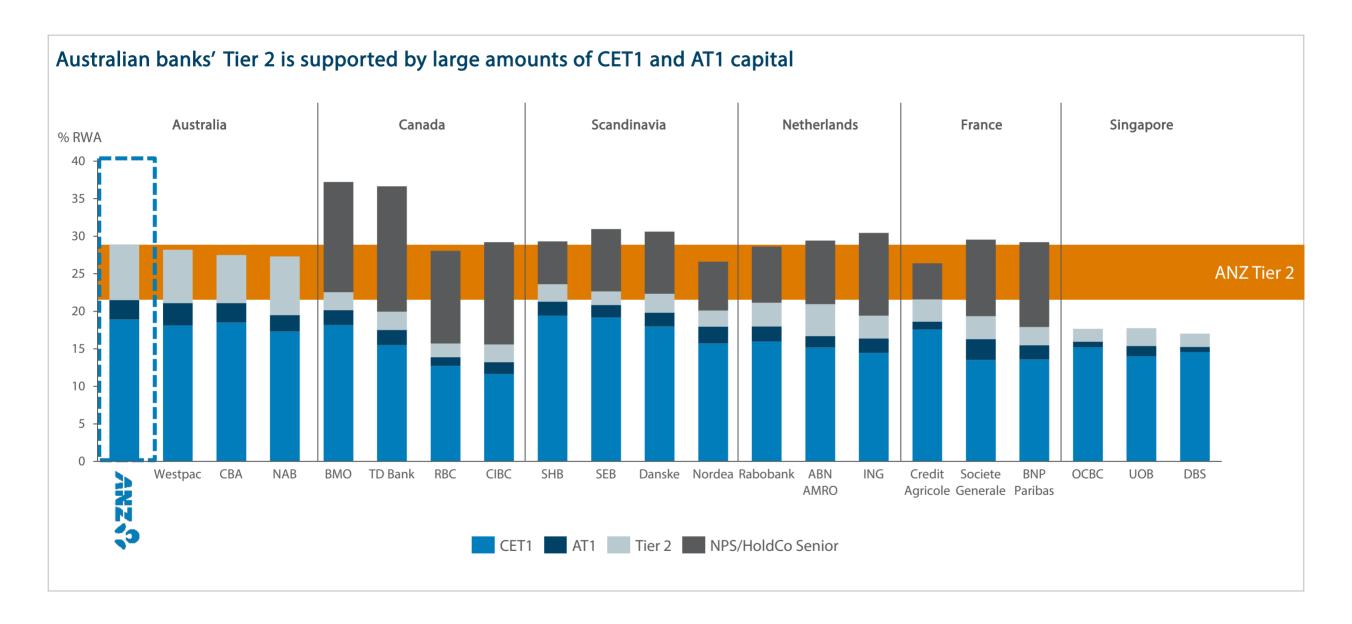
# Capital<sup>2</sup> & replicating deposits portfolio

	Australia	New Zealand	International
Volume (\$A)	~93b	~32b	~10b
Volume Change (HoH)	~6b decrease	~1b decrease	flat
Target Duration	Rolling 3	to 5 years	Various
Proportion Hedged	~78%	~92%	Various

- 1. Proxy for hedged investment rate
- 2. Includes other Non-Interest Bearing Assets & Liabilities

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# **AUSTRALIAN TLAC IN A GLOBAL CONTEXT**





# CAPITAL & LIQUIDITY FRAMEWORK<sup>1</sup>

	First Half CY2023	Second Half CY2023	CY2024	Implementation Date
RBNZ Capital Framework		Transition		2028
Fundamental Review of the Trading Book (incl. Counterparty Credit Risk)			Consultation	2026
Interest Rate Risk in the Banking Book	Consultation	Finalise		2025
Loss Absorbing Capacity (LAC)		Transition		2026
Recovery and Resolution planning	Finalise			2024
Liquidity		Consultation	Finalise	2025
Groups Regulation: roadmap for review			Consultation	2025 (TBC)

<sup>1.</sup> Timeline is based on calendar year and is largely based on APRA's 2023 Information Paper - APRA's Policy Priorities (published February 2023)



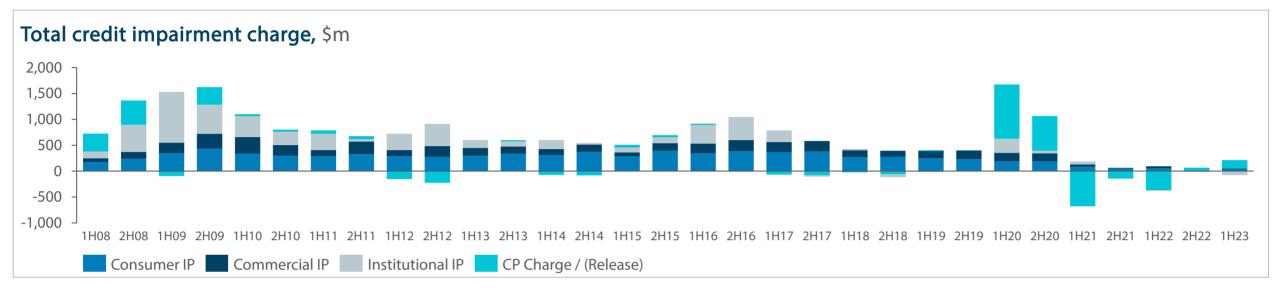
# 2023 HALF YEAR RESULTS

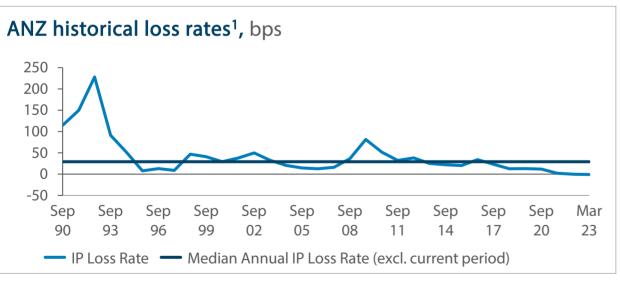
**INVESTOR DISCUSSION PACK** 

**RISK MANAGEMENT** 



# LONG RUN PROVISIONS & LOSS RATES





# Long run loss rate (Internal Expected Loss<sup>2</sup>), %

Division	Mar 19	Mar 20	Mar 21	Mar 22	Mar 23
Aus. Retail	0.19	0.19	0.14	0.12	0.11
Aus. Commercial	0.75	0.69	0.76	0.62	0.53
New Zealand	0.19	0.19	0.15	0.12	0.10
Institutional	0.27	0.25	0.25	0.21	0.19
Pacific	1.60	1.30	1.74	2.65	2.35
Total	0.27	0.26	0.23	0.20	0.17

- 1. IP Charge as a % of average Gross Loans and Advances (GLA)
- 2. Internal Expected Loss (IEL) is an internal estimate of the average annualised loss likely to be incurred through a credit cycle



# PORTFOLIO REBALANCING SUPPORTS LOWER FUTURE LOSS PROFILE

	Asset class & h	aistorical ID1	Exposure at De	fault² (% portfolio)	<ul> <li>Sold or exited</li> </ul>	>30 businesses		
ower	Asset class & I	listorical ir	Sep 16	Mar 23	Growth in "lov	w loss" portfolios	while decreasing	
s rates	Sovereigns, Mortgages, Banks (~5% of historical IP)		60%	65%	exposure to "h • 86% ex and Inv	nigher loss" portf posure Sovereig restment Grade (	olios and segmen n, Mortgage, Bank	
	Corporate, Specialised Lending	Investment grade	17%	21%	corpora	corporates while increasing collateral co		
	(~35% of historical IP)	Non-investment grade	16%	11% ———	→ Non-investm	ent grade exp	oosure	
						Sep 16	Mar 23	
	Personal Loans, Asset Finance, Credit Cards		7%	3%	Fully 7% Z		7%	
	(~60% of historical IP)				Partial / Unsecured	9%	4%	

loss rates

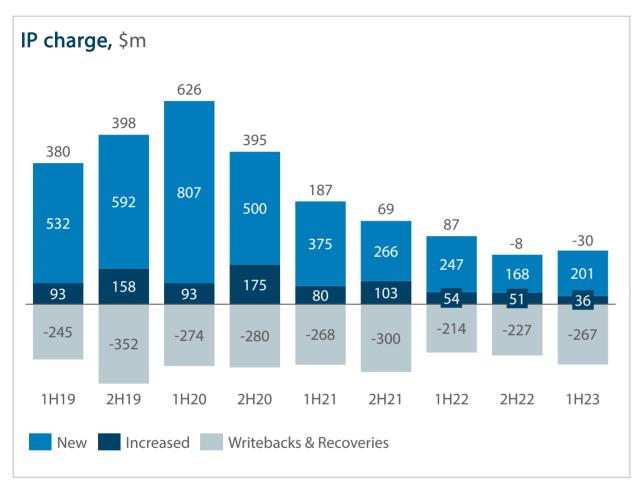
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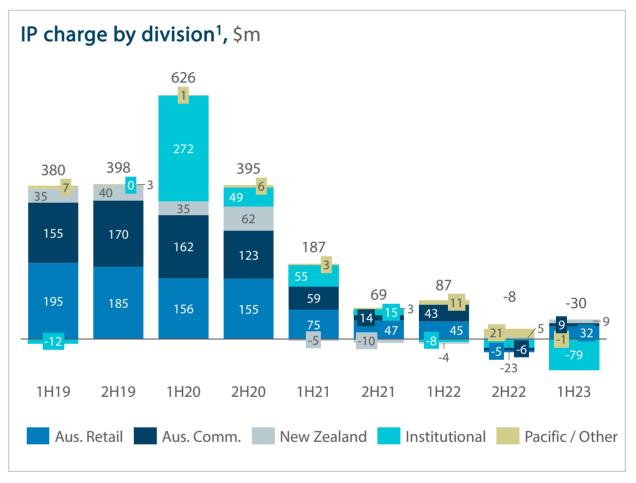
<sup>1.</sup> Historical mix Individual Provisions (IP) 2015 to 2021

<sup>2.</sup> Excludes Credit Valuation Adjustment and Qualifying Central Counterparties



# INDIVIDUAL PROVISION (IP) CHARGE





Ratios	1H19	2H19	1H20	2H20	1H21	2H21	1H22	2H22	1H23
IP loss rate (bps) <sup>2</sup>	12	13	20	12	6	2	3	0	-1
Total loss rate (bps) <sup>2</sup>	13	13	53	33	-16	-2	-9	2	4
IP balance / Gross Impaired Assets	42%	40%	42%	36%	33%	35%	37%	38%	35%

<sup>1. 1</sup>H22 and 2H22 have not been restated to reflect structural changes for Institutional and New Zealand

74

<sup>2.</sup> Annualised loss rate as a % of Gross Loans and Advances (GLA)

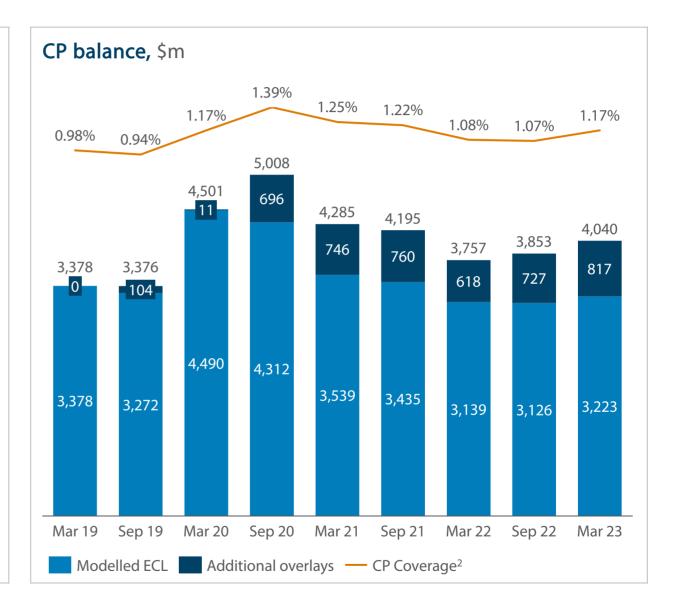


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# **COLLECTIVE PROVISION (CP) BALANCE & CHARGE**

# CP charge, \$m

	1H19	2H19	1H20	2H20	1H21	2H21	1H22	2H22	1H23
CP charge	13	4	1,048	669	-678	-145	-371	60	163
Volume/Mix	-28	-51	0	46	-199	-83	-98	-160	-41
Change in Risk	-40	19	17	44	-112	-41	-172	-172	24
Economic forecast & scenario weights <sup>1</sup>	99	31	1,124	-106	-417	-31	37	278	100
Additional overlays	-18	5	-93	685	50	10	-138	114	80



CF as a % of Cledit hisk Weighted Assets (ChWA)

<sup>1.</sup> Includes impact of model changes

<sup>2.</sup> CP as a % of Credit Risk Weighted Assets (CRWA)



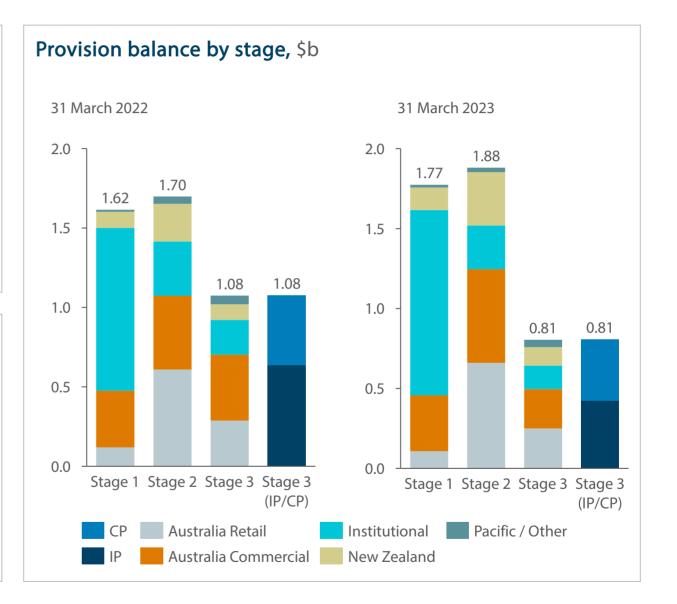
# **COLLECTIVE PROVISION (CP) BALANCE**

# CP balance by division, \$b

	Mar 19	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23
Aus. Retail	0.93	0.91	1.18	1.42	1.11	1.07	0.91	0.90	0.95
Aus. Commercial	0.90	0.89	1.14	1.43	1.22	1.16	0.98	0.98	1.03
Institutional	1.13	1.17	1.59	1.51	1.36	1.35	1.28	1.38	1.45
New Zealand	0.37	0.37	0.54	0.57	0.51	0.53	0.50	0.52	0.54
Pacific & Other	0.04	0.04	0.05	0.08	0.08	0.10	0.09	0.08	0.07
Total	3.38	3.38	4.50	5.01	4.29	4.20	3.76	3.85	4.04

# CP balance by portfolio, \$b

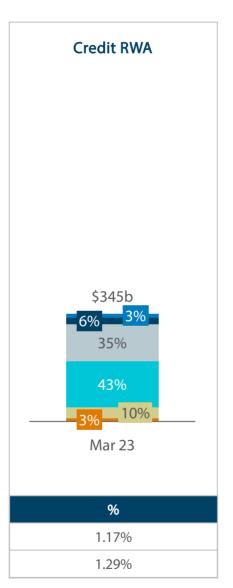
	Mar 19	Sep 19	Mar 20	Sep 20	Mar 21	Sep 21	Mar 22	Sep 22	Mar 23
Corporate	1.59	1.62	2.22	2.30	2.13	2.09	1.87	1.96	2.03
Specialised Lending	0.18	0.19	0.29	0.32	0.28	0.27	0.23	0.26	0.28
Residential Mortgage	0.49	0.52	0.81	1.06	0.78	0.79	0.71	0.73	0.82
Retail (ex Mortgages)	1.05	0.97	1.10	1.25	1.04	0.96	0.87	0.81	0.84
Sovereign / Banks	0.07	0.08	0.08	0.08	0.06	0.09	0.08	0.09	0.07
Total	3.38	3.38	4.50	5.01	4.29	4.20	3.76	3.85	4.04

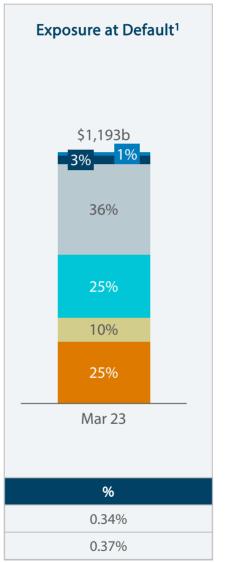


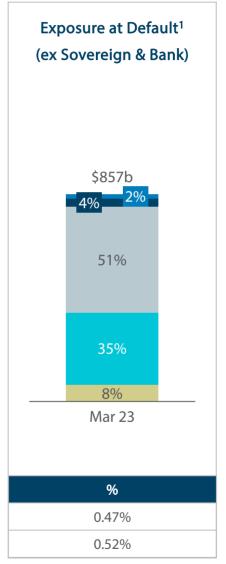


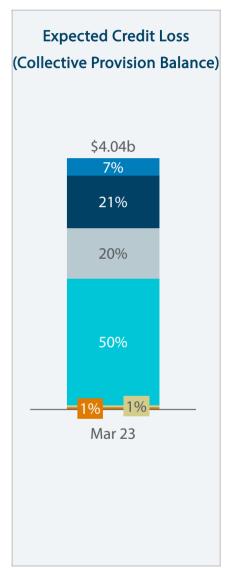
# PORTFOLIO COMPOSITION AND COVERAGE RATIOS









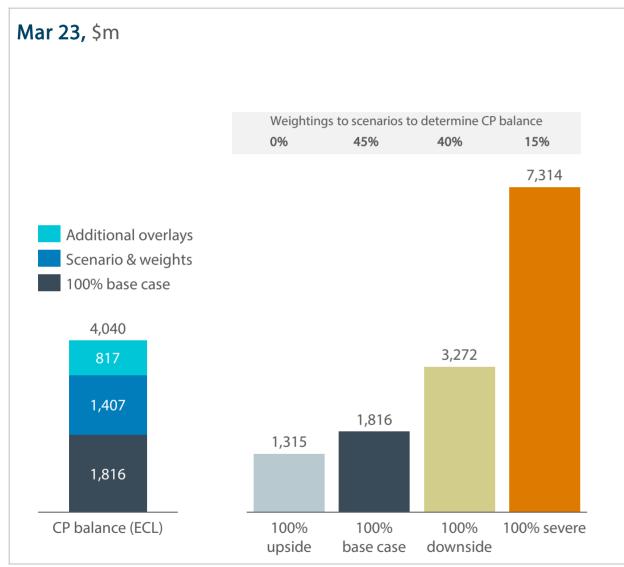


<sup>1.</sup> EAD excludes amounts for the 'Securitisation' Basel class, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

<sup>2.</sup> Individual Provision balance and Collective Provision balance



# EXPECTED CREDIT LOSS - ECONOMIC SCENARIOS: MODELLED OUTCOMES (COLLECTIVE PROVISION BALANCE SCENARIOS)<sup>1</sup>



Economic scenarios	Act	tual	Base case <sup>2</sup>		
31 March 2023	CY2021A	CY2022A	CY2023F	CY2024F	
Australia					
GDP change <sup>3</sup>	4.5%	3.6%	2.0%	1.2%	
Unemployment rate <sup>4</sup>	5.1%	3.7%	3.7%	4.2%	
Resi. property price change <sup>3</sup>	21.0%	-6.9%	-9.2%	4.2%	
New Zealand					
GDP change <sup>3</sup>	5.5%	2.8%	1.4%	-0.1%	
Unemployment rate <sup>4</sup>	3.8%	3.3%	3.9%	5.2%	
Resi. property price change <sup>3</sup>	26.5%	-13.0%	-9.7%	2.2%	

Australia peak impacts o	Australia peak impacts of economic scenarios			Severe
Unemployment	Peak next 2 years	4.4%	6.9%	10.5%
Resi. property prices	Peak <sup>5</sup> to trough drop	-16%	-23%	-45%
GDP	Lowest over 3 years	1.2%	-1.1%	-2.8%

New Zealand peak impac	cts of economic scenarios	Base case	Downside	Severe
Unemployment	Peak next 2 years	5.4%	6.8%	8.9%
Resi. property prices	Peak to trough drop	-17%	-25%	-46%
GDP	Lowest over 3 years	-1.1%	-2.0%	-2.8%

<sup>1.</sup> The Downside Scenario is specified in terms of an index of economic stress. The economic variables shown represent a characterisation of the scenario to facilitate comparison

<sup>2.</sup> Subset of a range of economic indicators shown. Economic forecasts also undertaken for international markets

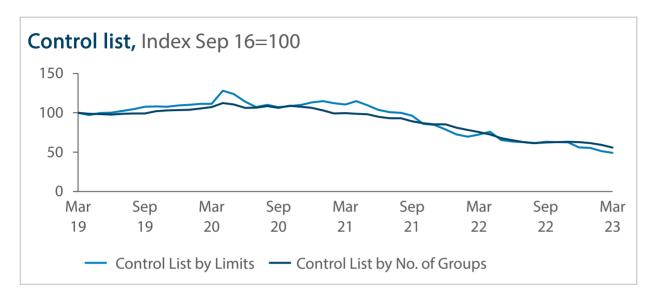
<sup>3. 12</sup> months to December Year on Year change

<sup>4.</sup> Annual average: 12 months to December

<sup>5.</sup> Peak based on June 2022 quarter

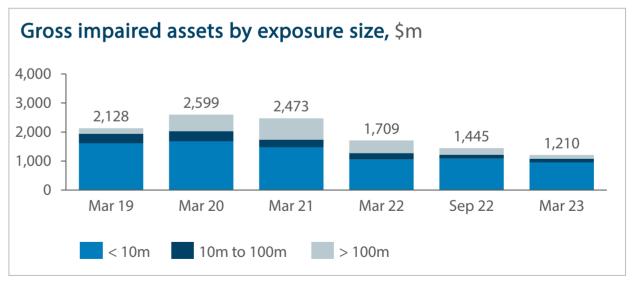
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# **IMPAIRED ASSETS**





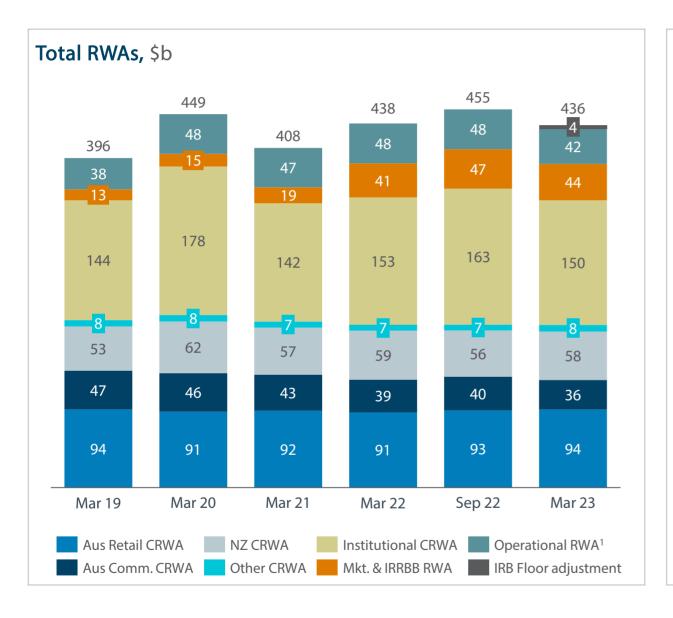


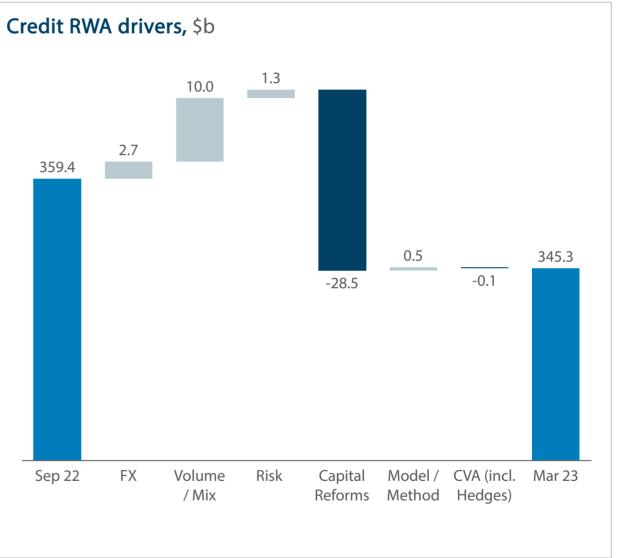


<sup>1.</sup> Pacific Division customers that rolled off COVID-19 relief packages during 2H22 have subsequently been classified as restructured



# RISK WEIGHTED ASSETS (RWA)

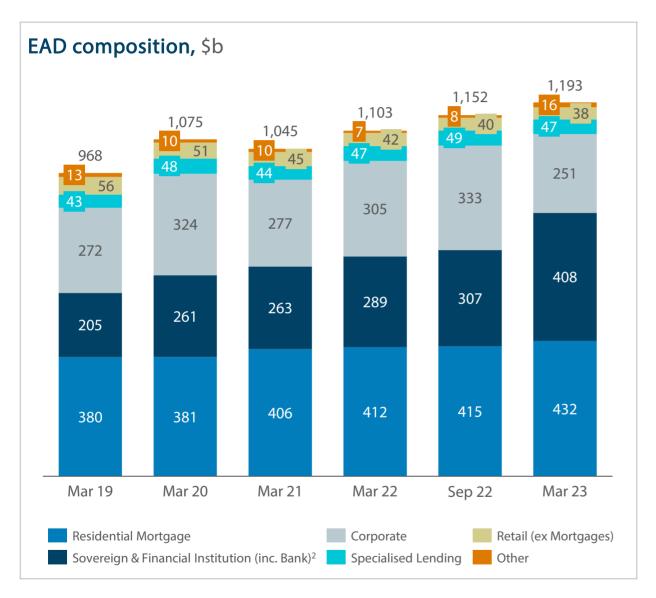


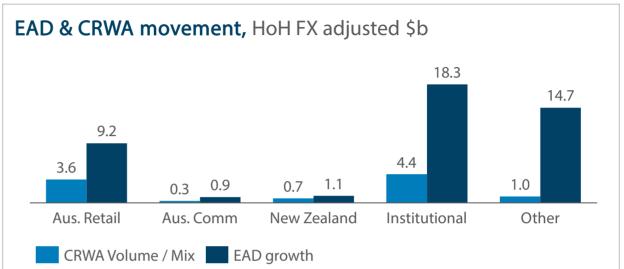


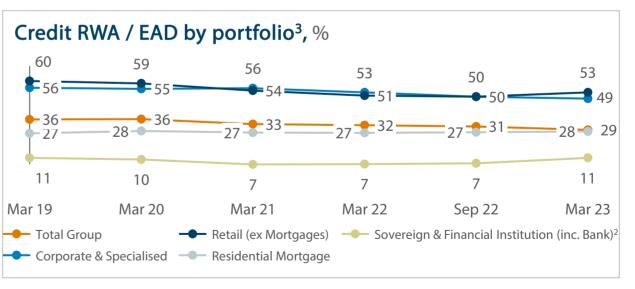
<sup>1.</sup> Operational Risk RWA decreased by \$6 billion due to adoption APS 115 Capital Adequacy: Standardised Measurement Approach (SMA) to Operational Risk in December 2022



# RISK WEIGHTED ASSETS & EXPOSURE AT DEFAULT COMPOSITION<sup>1</sup>







<sup>1.</sup> EAD excludes amounts for 'Securitisation', and for 'Other assets' prior to March 2023 (included from March 2023 due to the implementation of APRA's new capital framework), whereas CRWA is inclusive of these asset classes, as per APS 330. EAD data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

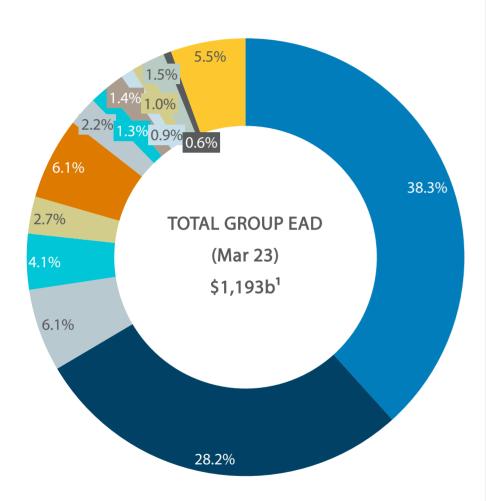
<sup>2.</sup> Due to the implementation of APRA's new capital framework the exposure reported in the Sovereign and Financial Institution (incl Banks) includes non-bank Financial Institutions. Prior to March 2023, non-bank FIs were reported as Corporate

Total Group ratio from Mar 21 is inclusive of increased exposure to the RBA via higher exchange settlement account balances



# TOTAL PORTFOLIO COMPOSITION

# **Exposure at Default (EAD) distribution**



Category	% o	f Group E	AD <sup>1</sup>	% of I	mpaired . to EAD <sup>1</sup>	Assets	Gross Impaired Assets <sup>2</sup>
	Mar 22	Sep 22	Mar 23	Mar 22	Sep 22	Mar 23	Mar 23
Consumer Lending	39.3%	37.8%	38.3%	0.1%	0.1%	0.1%	\$449m
Finance, Investment & Insurance	27.5%	28.9%	28.2%	0.0%	0.0%	0.0%	\$18m
Property Services	6.3%	6.3%	6.1%	0.2%	0.1%	0.1%	\$84m
Manufacturing	3.9%	4.3%	4.1%	0.1%	0.1%	0.1%	\$35m
Agriculture, Forestry, Fishing	3.0%	2.9%	2.7%	0.5%	0.4%	0.3%	\$86m
Government & Official Institutions	5.6%	5.6%	6.1%	0.0%	0.0%	0.0%	\$0m
Wholesale Trade	2.5%	2.5%	2.2%	0.9%	0.9%	0.2%	\$42m
Retail Trade	1.5%	1.5%	1.3%	0.4%	0.3%	0.3%	\$48m
Transport & Storage	1.8%	1.7%	1.4%	1.5%	0.4%	0.3%	\$52m
Business Services	1.1%	1.2%	0.9%	0.4%	0.3%	0.2%	\$25m
Resources (Mining)	1.2%	1.3%	1.0%	0.1%	0.1%	0.1%	\$9m
Electricity, Gas & Water Supply	1.4%	1.5%	1.5%	0.1%	0.0%	0.0%	\$2m
Construction	0.8%	0.8%	0.6%	0.7%	0.7%	0.8%	\$57m
Other	4.0%	3.8%	5.5%	0.4%	0.5%	0.5%	\$303m
Total	100%	100%	100%				
Total Group EAD <sup>1</sup>	\$1,103b	\$1,152b	\$1,193b	Gross Im	paired As	sets	\$1,210m

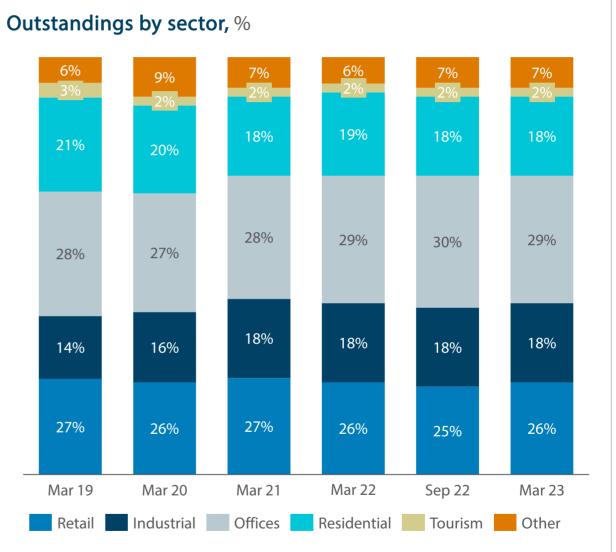
<sup>1.</sup> EAD excludes amounts for the 'Securitisation' Basel class, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

<sup>2.</sup> Excludes unsecured retail products which are 90+ DPD and treated as Impaired for APS330 reporting



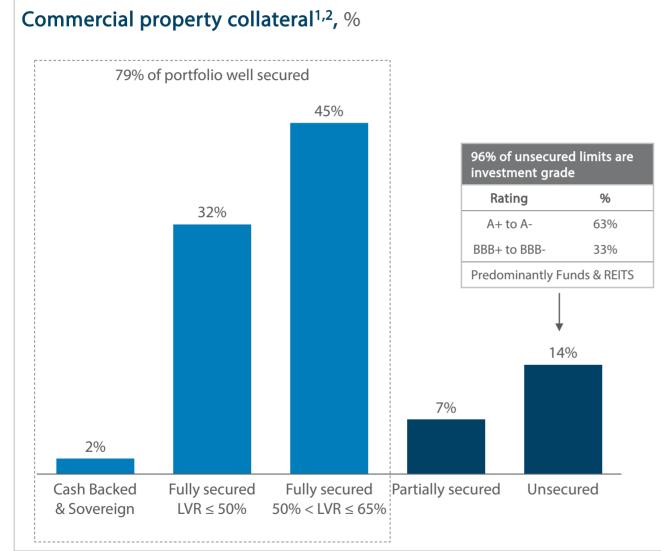
# **COMMERCIAL PROPERTY - SEGMENTS OF INTEREST**







# **COMMERCIAL PROPERTY - SEGMENTS OF INTEREST**



### Portfolio growth, Mar 23 v Mar 22

• Predominantly Australian region across a diversified portfolio of lending segments

### Portfolio quality, Mar 23

- ~ 80% of exposures well secured
- >95% of unsecured exposure to investment grade customers
- Supported by diversified investment grade REITs or assets with stronger fundamentals, stable earnings profile and low gearing
- B&C grade office exposure ~\$1.9b (2.7% of portfolio) with strong sponsor recourse, cross-collaterisation and moderate gearing
- International portfolio remains stable with exposure predominantly to large, well rated names in Singapore and Hong Kong (SAR)
- Negligible direct impact (~\$1m) to date from construction industry failures

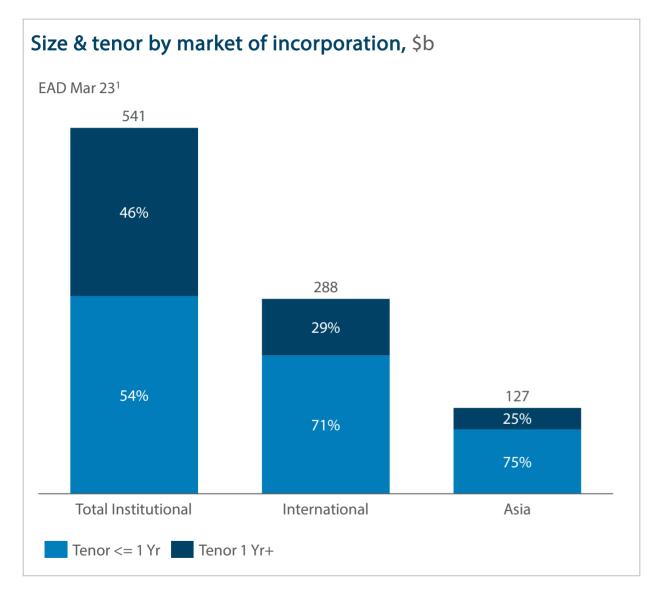
### Portfolio approach

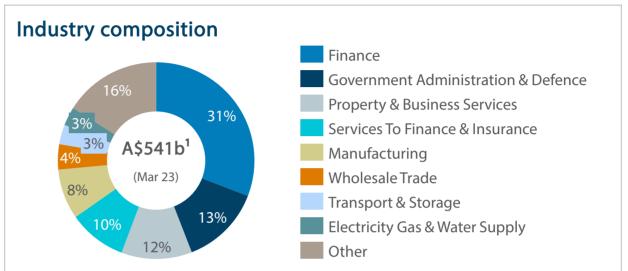
- Tightened risk appetite settings since the beginning of the COVID:
  - B&C grade office investment
  - discretionary retail and accommodation hotels
- Residential strategy to support existing customers and grow selectively. Experienced sponsors with strong technical capability, holding land for projects. Strong developer and contractor selection is a well-entrenched discipline in the business

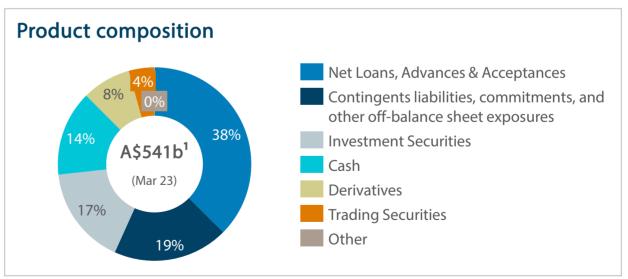
- 1. Commercial property collateral distribution based on limits (includes drawn and undrawn exposures)
- Fully Secured: loan amount ≤100% of extended security value; Partially Secured: loan amount >100% of the extended security value



# ANZ INSTITUTIONAL PORTFOLIO



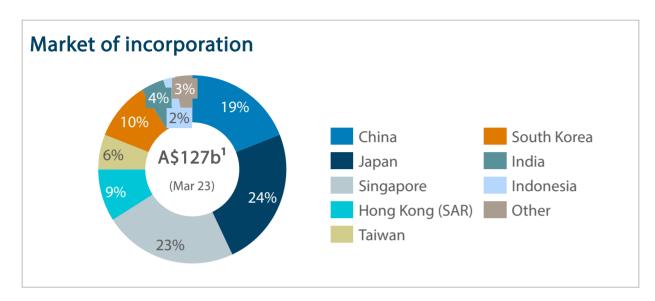


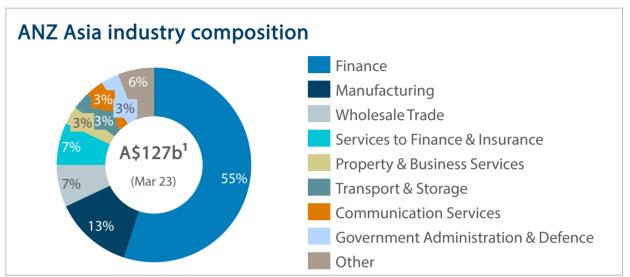


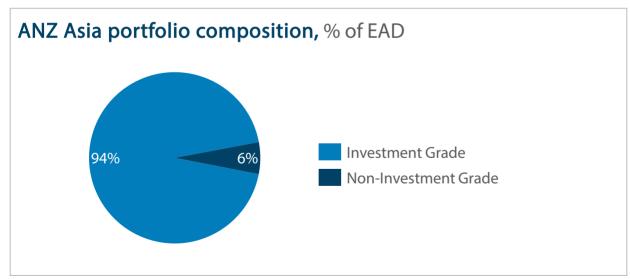
<sup>1.</sup> EAD excludes amounts for the 'Securitisation' Basel class, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral

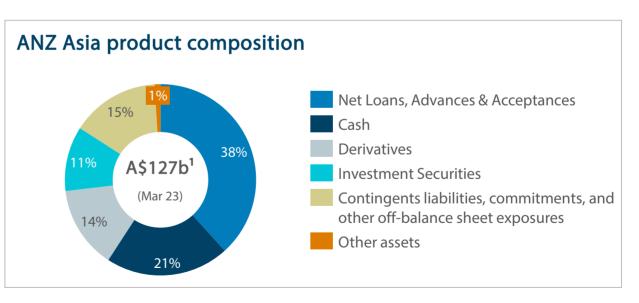


# ANZ ASIAN INSTITUTIONAL PORTFOLIO









<sup>1.</sup> EAD excludes amounts for the 'Securitisation' Basel class, as per APS330. Data provided is on a Post CRM basis, net of credit risk mitigation such as guarantees, credit derivatives, netting and financial collateral



# 2023 HALF YEAR RESULTS

**INVESTOR DISCUSSION PACK** 

**HOUSING PORTFOLIO** 



# **AUSTRALIA HOME LOANS - PORTFOLIO OVERVIEW**

		Portfolio <sup>1</sup>		Flo	W <sup>2</sup>
	1H21	1H22	1H23	1H22	1H23
Number of Home Loan accounts	1,019k	984k	969k	82k³	95k³
Total FUM	\$281b	\$278b	\$293b	\$35b	\$43b
Average Loan Size <sup>4</sup>	\$275k	\$283k	\$302k	\$458k	\$481k
% Owner Occupied <sup>5</sup>	68%	68%	68%	65%	67%
% Investor <sup>5</sup>	30%	30%	31%	35%	33%
% Equity Line of Credit <sup>6</sup>	2%	2%	1%	0%	0%
% Paying Variable Rate Loan <sup>7</sup>	73%	65%	78%	59%	96%
% Paying Fixed Rate Loan <sup>7</sup>	27%	35%	22%	41%	4%
% Paying Interest Only <sup>8</sup>	10%	9%	9%	16%	14%
% Broker Originated	54%	52%	52%	53%	64%

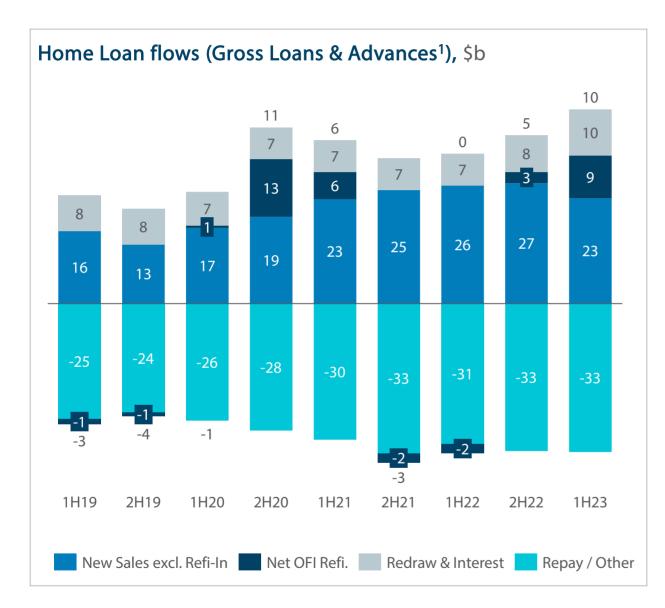
	F	ortfolio <sup>1</sup>	
	1H21	1H22	1H23
Average LVR at Origination 9,10	71%	70%	65%
Average Dynamic LVR (excl. offset) <sup>10,11</sup>	55%	50%	49%
Average Dynamic LVR (incl. offset) <sup>10,11</sup>	49%	44%	43%
Market share <sup>12</sup>	14.4%	13.2%	13.2%
% Ahead of Repayments <sup>13</sup>	72%	68%	70%
Offset Balances <sup>14</sup>	\$35b	\$38b	\$41b
% First Home Buyer	8%	8%	7%
% Low Doc <sup>15</sup>	2%	2%	1%
Loss Rate <sup>16</sup>	0.05%	0.01%	0.01%
% of Australia Geography Lending 17,18	64%	62%	62%
% of Group Lending <sup>17</sup>	45%	43%	42%

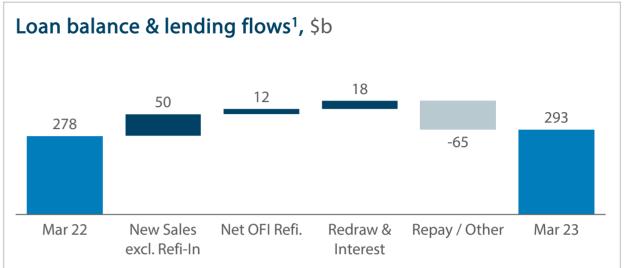
### Unless otherwise stated metrics are based on balances

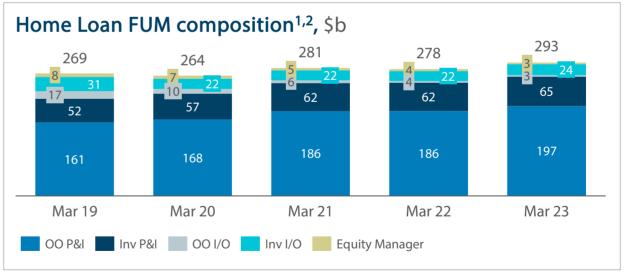
1. Home Loans portfolio (includes Non Performing Loans, excludes Offset balances) 2. YTD unless noted 3. New accounts includes increases to existing accounts and split loans (fixed and variable components of the same loan) 4. Average loan size for Flow excludes increases to existing accounts 5. The current classification of Investor vs Owner Occupied is based on ANZ's product category, determined at origination as advised by the customer and the ongoing precision relies primarily on the customer's obligation to advise ANZ of any change in circumstances 6. ANZ Equity Manager product no longer offered for sale as of 31 July 2021 7. Excludes Equity Manager Accounts 8. Based on customers that request a specific interest only period and does not include loans being progressively drawn e.g. construction 9. Originated in the respective year 10. Unweighted based on # accounts and includes capitalised LMI premiums 11. Valuations updated to Feb 23 where available. Includes Non Performing Loans and excludes accounts with a security guarantee and unknown DLVR 12. Source: APRA Monthly Authorised Deposit-Taking Institutions Statistics (MADIS) to Mar 23 13. % of Owner Occupied and Investor Loans that have any amount ahead of repayments based on available redraw and offset 14. Offset balances reflect only those balances linked to Home Loan accounts, restated to exclude balances in offset accounts which are no longer linked to an active Home Loan account 15. Low Doc is comprised of less than or equal to 60% LVR mortgages primarily for self-employed without scheduled PAYG income. However, it also has <0.1% of less than or equal to 80% LVR mortgages, primarily booked pre-2008. Note Low Doc lending at ANZ is no longer offered 16. Annualised write-off net of recoveries 17. Based on Gross Loans & Advances 18. Australia Geography includes Australia Commercial and Institutional Australia



# **AUSTRALIA HOME LOANS - PORTFOLIO COMPOSITION**





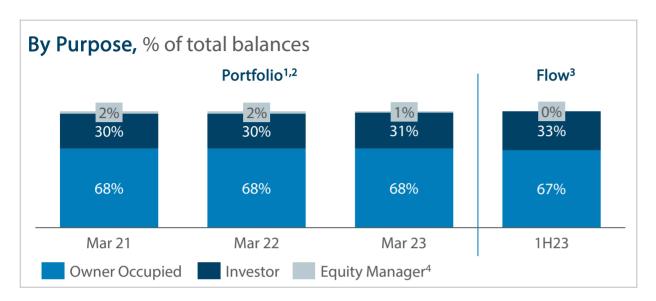


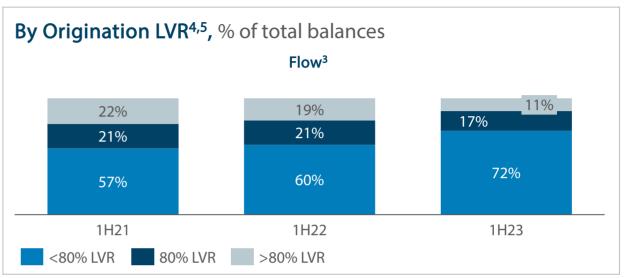
I. Based on Gross Loans and Advances. Includes Non-Performing Loans

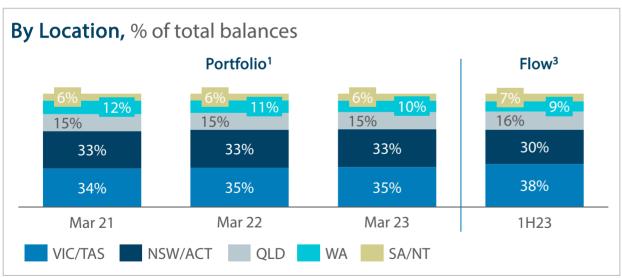
<sup>2.</sup> The current classification of Investor vs Owner Occupied is based on ANZ's product category, determined at origination as advised by the customer and the ongoing precision relies primarily on the customer's obligation to advise ANZ of any change in circumstances. Interest Only (I/O) is based on customers that request a specific interest only period and does not include loans being progressively drawn e.g. construction. ANZ Equity Manager product no longer offered for sale as of 31 July 2021

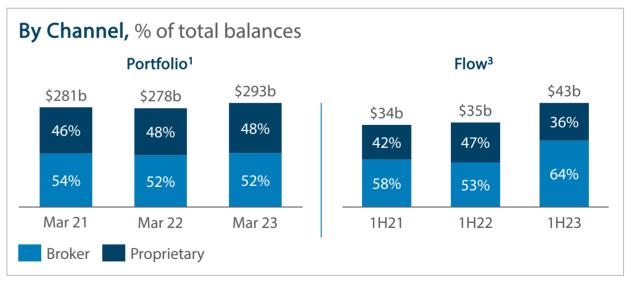


# **AUSTRALIA HOME LOANS - PORTFOLIO COMPOSITION & FLOW**





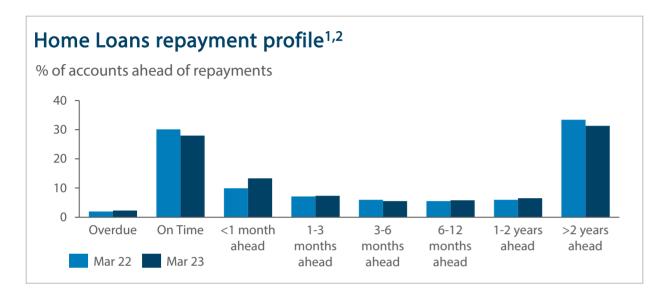


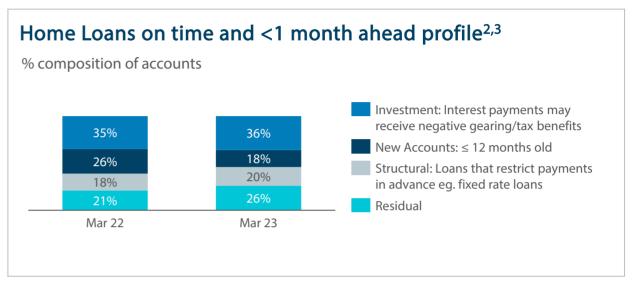


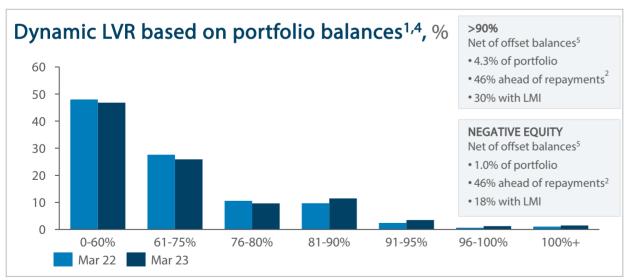
- 1. Includes Non Performing Loans
- 2. The current classification of Investor vs Owner Occupied is based on ANZ's product category, determined at origination as advised by the customer and the ongoing precision relies primarily on the customer's obligation to advise ANZ of any change in circumstances
- Based on drawn month
- ANZ Equity Manager product no longer offered for sale as of 31 July 2021
- 5. Includes capitalised LMI premiums

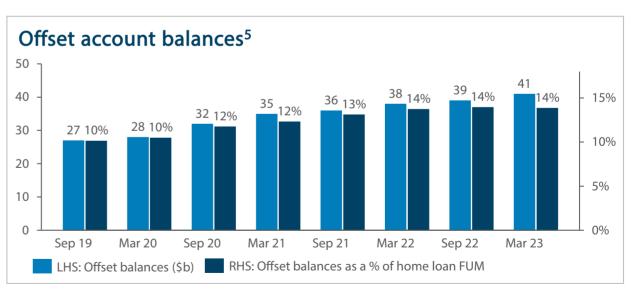
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# **AUSTRALIA HOME LOANS - PORTFOLIO RESILIENCE**





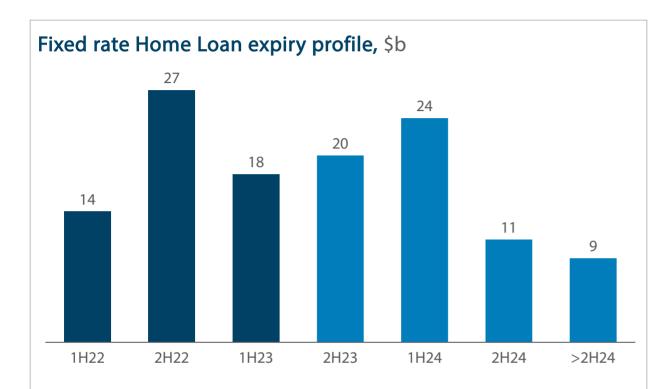




- Includes Non Performing Loans
- 2. % of Owner Occupied and Investment Loans that have any amount ahead of repayments. Excess repayments based on available redraw and offset. Excludes Equity Manager Accounts
- . The current classification of Investor vs Owner Occupied, is based on ANZ's product category, determined at origination as advised by the customer and the ongoing precision relies primarily on the customer's obligation to advise ANZ of any change in circumstances. Note: hierarchy changed from previous disclosures
- Includes capitalised LMI premiums and excludes offset balances, accounts with a security quarantee and unknown DLVR. Valuations updated to Feb 23 where available
- 5. Offset balances reflect only those balances linked to Home Loan accounts, restated to exclude balances in offset accounts which are no longer linked to an active Home Loan account

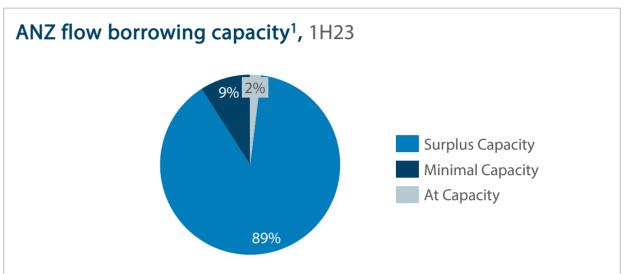


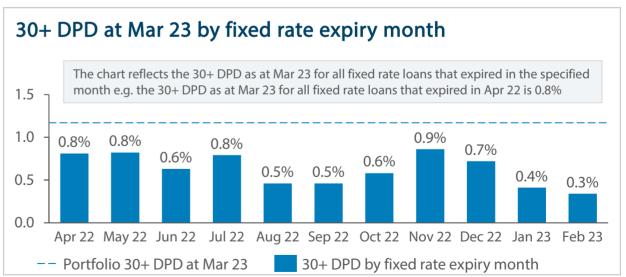
# **AUSTRALIA HOME LOANS - PORTFOLIO RESILIENCE**





- if the standard variable rate (less customer discount) plus the 3% serviceability buffer is higher than the customer fixed rate, then the higher of the standard variable rate (less customer discount) plus the 3% serviceability buffer and the floor rate which is currently 5.1%
- else the higher of the customer fixed rate plus the 3% serviceability buffer and the floor rate which is currently 5.1%

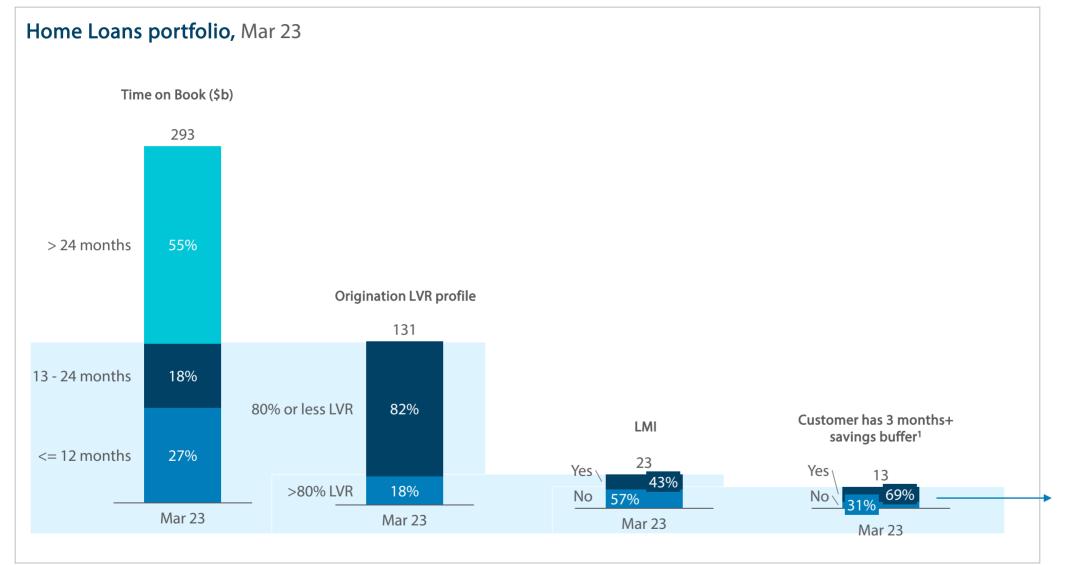




<sup>1.</sup> Majority of lending 'at capacity' is bridging finance while 'minimal capacity' reflects the proportion of customers with a borrowing capacity of less than \$50 of uncommitted monthly income (UMI). Borrowing capacity is determined after income and expense buffers and shading are applied, and based on verified income only therefore the customer's actual borrowing capacity will be higher than what is reflected in the chart



# **AUSTRALIA HOME LOANS - BOOK ORIGINATED AND ATTRIBUTES**



ANZ has limited exposure to recently originated lending at high LVRs with no LMI, and much of this cohort has savings buffers in excess of 3 months of repayments:

 \$4b of the \$293b Home Loans portfolio (or <1.5%) has been on book less than 24 months, has an LVR of greater than 80% with no LMI and less than 3 months savings buffers

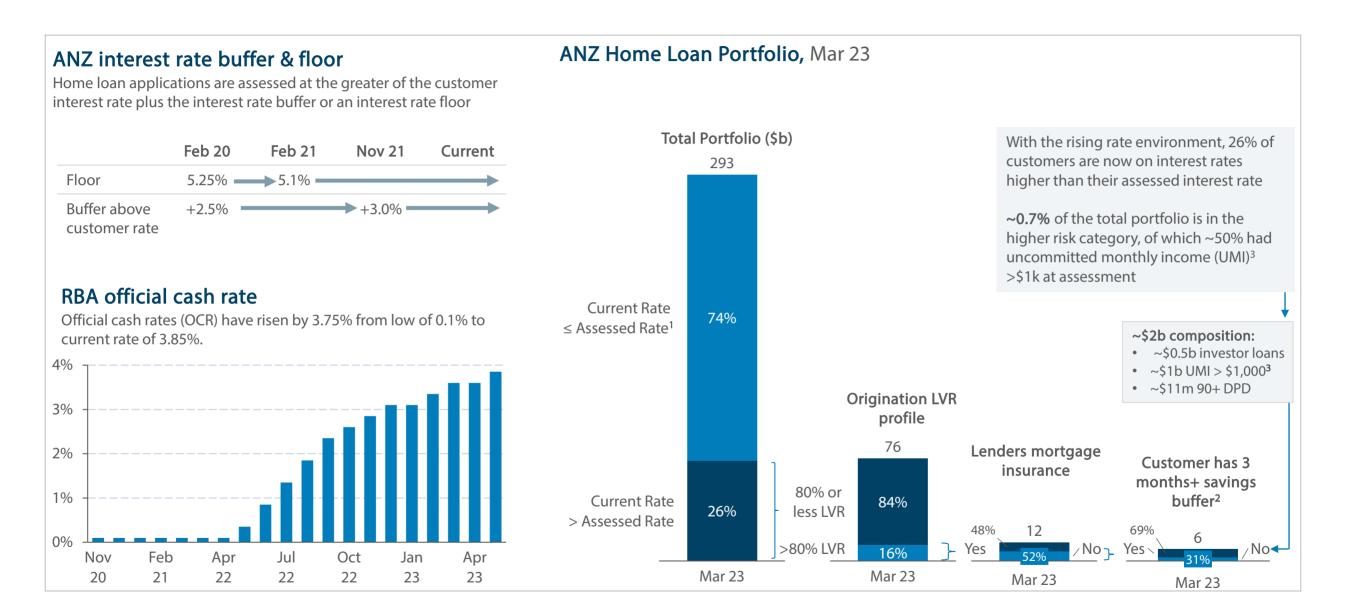
# Of the \$4b with less than 3 months savings buffer:

- \$1.3b (29.5%) are investor loans
- \$1.2b (29.1%) have a current interest rate higher than the serviceability rate<sup>2</sup>
- \$583m (13.4%) have UMI<sup>3</sup>≤ \$100
- \$90m (2.1%) are one or more payment past due
- \$8m (0.19%) are 90+ DPD

- 1. Buffers are calculated at customer level, incorporating all Retail debts within the customer cluster at ANZ, and all funds available in ANZ redraw, offset and transaction and savings accounts
- 2. The serviceability rate is used to assess the customers ability to repay their loan when interest rates rise and includes an interest rate floor and buffer
- 3. Uncommitted monthly income (UMI) is determined after income and expense buffers and shading are applied, and based on verified income only



# **AUSTRALIA HOME LOANS - OUTCOME OF RATE RISES**



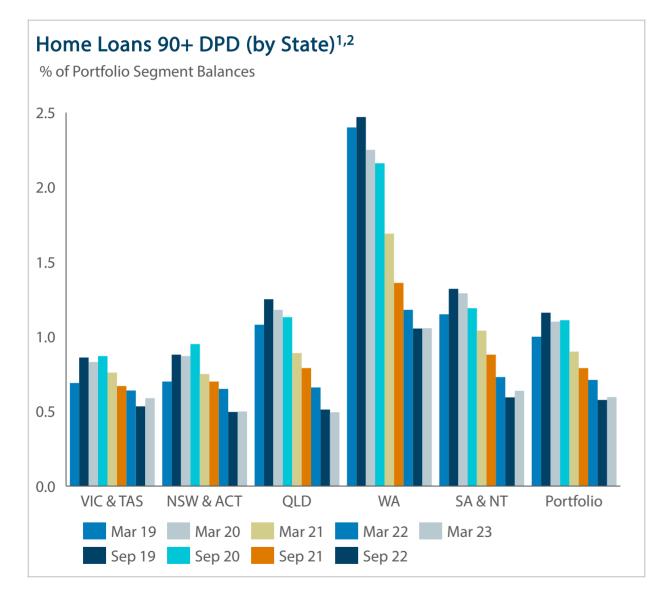
<sup>1.</sup> Accounts with missing assessed rate information are grouped into customer rate ≤ assessed rate based on the assumption that the assessed rate used in the mortgage assessment stage to account for borrower's ability to repay at origination should be higher than the current interest rate.

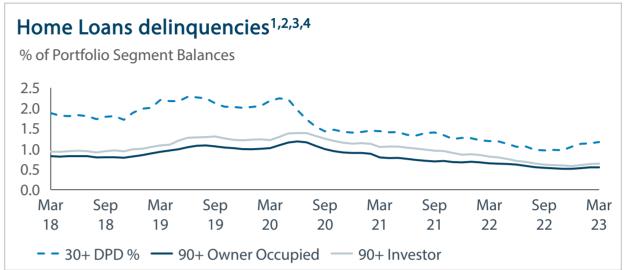
<sup>2.</sup> Buffers are calculated at customer level, incorporating all Retail debts within the customer cluster at ANZ, and all funds available in ANZ redraw, offset and transaction and savings accounts

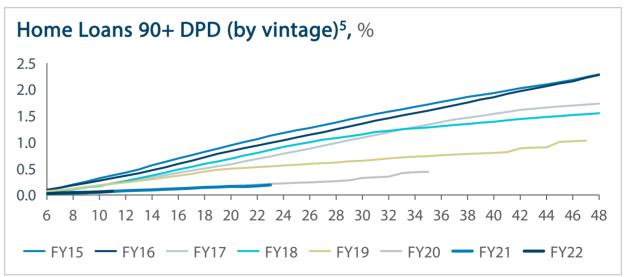
<sup>3.</sup> Uncommitted monthly income (UMI) is determined after income and expense buffers and shading are applied, and based on verified income only



# **AUSTRALIA HOME LOANS - PORTFOLIO PERFORMANCE**







<sup>1.</sup> Includes Non Performing Loans 2. ANZ delinquencies are calculated on a missed payment basis for amortising and Interest Only loans 3. The current classification of Investor vs Owner Occupied, is based on ANZ's product category, determined at origination as advised by the customer and the ongoing precision relies primarily on the customer's obligation to advise ANZ of any change in circumstances 4. 30+ and 90+ between Mar 20 and Jun 20 excludes eligible Home Loans accounts that had requested COVID-19 assistance but due to delays in processing had not had the loan repayment deferral applied to the account 5. Home Loans 90+ DPD vintages represent % ratio of ever 90+ delinquent (measured by # accounts), contains at least 6 application months of that fiscal year contributing to each data point



# **NEW ZEALAND HOME LOANS - PORTFOLIO OVERVIEW**

		Portfolio	Flow		
	1H21	1H22	1H23	1H22	1H23
Number of Home Loan Accounts	533k	540k	538k	31k	23k
Total FUM	NZD95b	NZD103b	NZD105b	NZD14b	NZD8b
Average Loan Size	NZD179k	NZD191k	NZD194k	NZD453k	NZD352k
% Owner Occupied	74%	76%	76%	79%	81%
% Investor	26%	24%	24%	21%	19%
% Paying Variable Rate Loan <sup>1</sup>	11%	11%	11%	21%	23%
% Paying Fixed Rate Loan <sup>1</sup>	89%	89%	89%	79%	77%
% Paying Interest Only	18%	14%	12%	20%	18%
% Paying Principal & Interest	82%	86%	88%	80%	82%
% Broker Originated	42%	45%	48%	55%	57%

	Portfolio					
	1H21	1H22	1H23			
Average LVR at Origination	58%	56%	54%			
Average Dynamic LVR	37%	35%	39%			
Market Share <sup>2</sup>	30.6%	30.7%	30.1%			
% Low Doc <sup>3</sup>	0.28%	0.24%	0.21%			
Home Loan Loss Rates	0.00%	0.00%	0.00%			
% of NZ Geography Lending	69%	70%	71%			

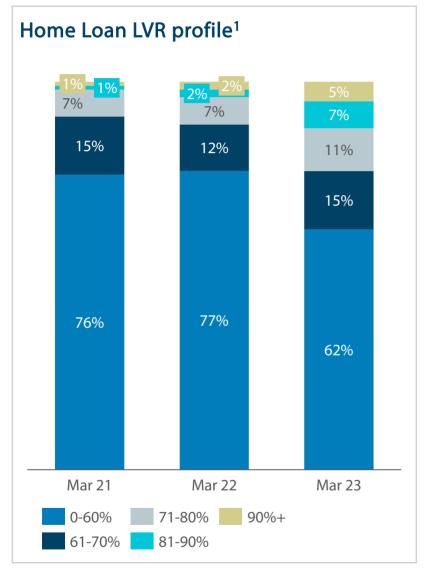
<sup>1.</sup> Flow excludes revolving credit facilities

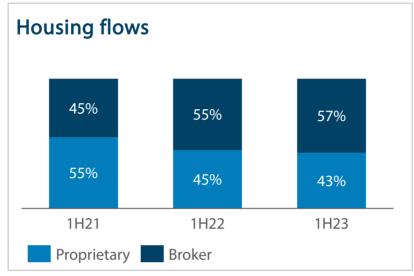
<sup>2.</sup> Source: RBNZ, market share at NZ Geography level

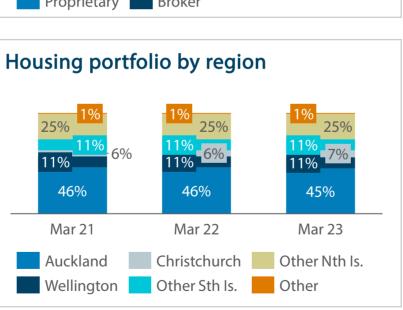
<sup>3.</sup> Low documentation (Low Doc) lending allowed customers who met certain criteria to apply for a mortgage with reduced income confirmation requirements. New Low Doc lending ceased in 2007

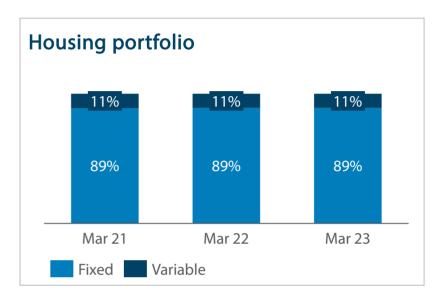


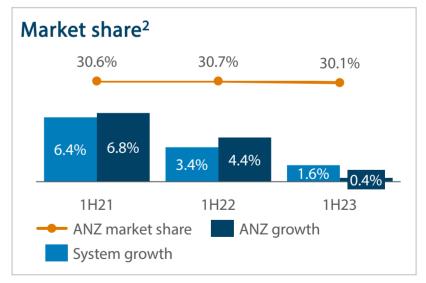
# **NEW ZEALAND LOANS - HOME LENDING & ARREARS TRENDS**











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<sup>1.</sup> Dynamic basis

<sup>2.</sup> Source: RBNZ, market share at NZ Geography level



# 2023 HALF YEAR RESULTS

**INVESTOR DISCUSSION PACK** 

**ECONOMICS** 



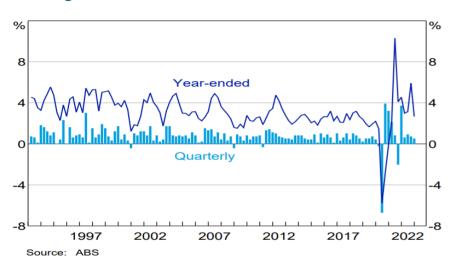
# **AUSTRALIA & NEW ZEALAND ECONOMIC FORECASTS**

	2018	2019	2020	2021	2022	2023F <sup>1</sup>	2024F <sup>1</sup>
Australia – annual % growth GDP		-1.8	5.2	3.7	2.1	1.5	1.9
Australia - headline CPI (% y/y)	1.9	1.6	0.8	2.9	6.6	5.8	3.6
Australia – employment (% y/y)		2.2	-1.0	2.2	4.8	1.5	0.8
Australia - unemployment (% Q4 avg)		5.2	6.8	4.7	3.5	3.8	4.4
Australia - Wage Price Index	2.3	2.2	1.4	2.3	3.3	4.5	4.0
RBA cash rate (% year end)	1.50	0.75	0.10	0.10	3.10	4.10	3.85
3 year Aus. bond yield (% year end)	2.06	0.91	0.11	1.18	3.39	3.00	2.75
10 year Aus. bond yield (% year end)	2.64	1.37	1.12	1.86	3.83	3.65	3.60
AUD/USD (year-end value)	0.74	0.70	0.77	0.73	0.71	0.72	0.74
New Zealand – annual % growth GDP	3.6	3.1	-1.5	6.1	2.4	0.9	-0.4
New Zealand - headline CPI (% y/y)	1.6	1.6	1.7	3.9	7.2	6.6	3.5
New Zealand – unemployment (% Q4 avg)	4.3	4.1	4.9	3.2	3.4	4.4	5.4
RBNZ cash rate (% year end)	1.75	1.0	0.25	0.75	4.25	5.50	4.75
NZD/USD (year-end value)	0.69	0.65	0.72	0.66	0.66	0.65	0.66

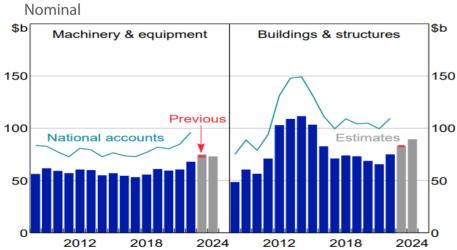


# **AUSTRALIAN ECONOMY - ECONOMIC GROWTH**

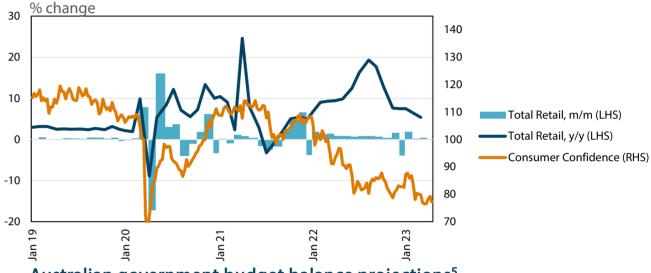
### GDP growth<sup>1</sup>



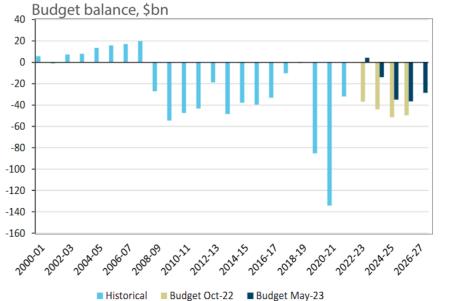
### Capital expenditure intentions<sup>4</sup>



### Nominal Australian retail sales<sup>2</sup> and Consumer Confidence<sup>3</sup>



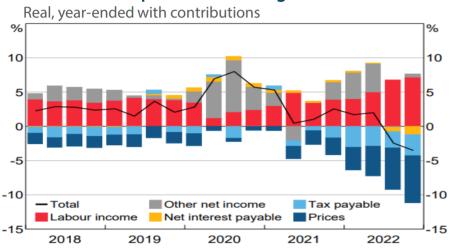
### Australian government budget balance projections<sup>5</sup>





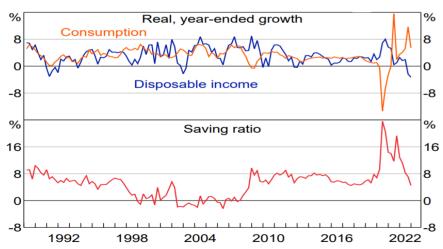
# **AUSTRALIAN ECONOMY - INCOME AND SAVINGS**

### Household disposable income growth<sup>1</sup>



Sources: ABS: RBA

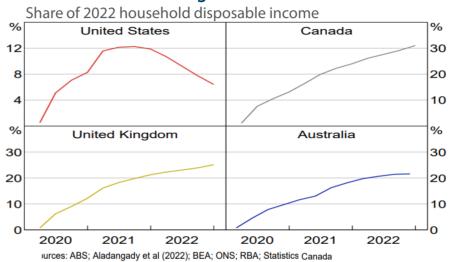
### Household income and consumption<sup>3</sup>



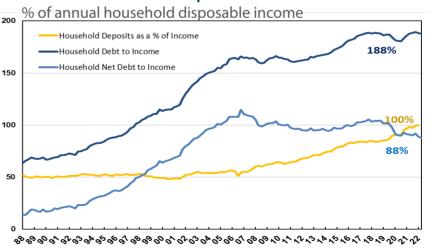
\* Household sector includes unincorporated enterprises; disposable income is after tax and interest payments; saving ratio is net of depreciation.

Sources: ABS; RBA

### Stock of excess savings<sup>2</sup>



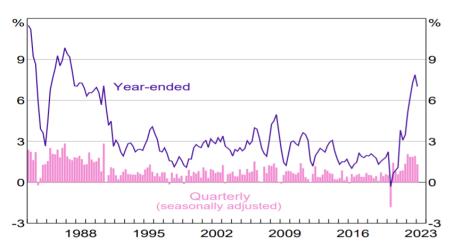
### Household debt & deposits



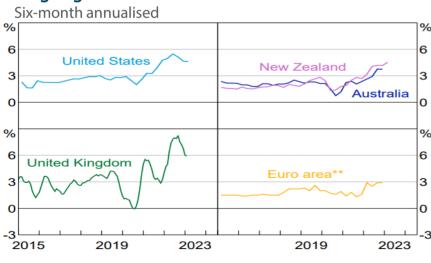


# **AUSTRALIAN ECONOMY - INFLATION**

### Consumer price index<sup>1</sup>



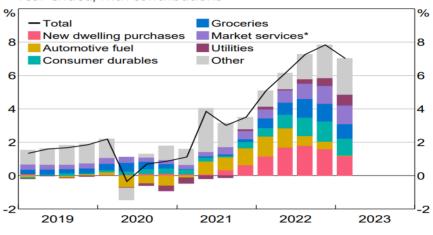
### Wages growth<sup>2</sup>



### Sources: BoE; RBA; Refinitiv

### CPI inflation<sup>2</sup>

Year-ended, with contributions



Sources: ABS; RBA

### Global inflation comparisons<sup>3</sup>

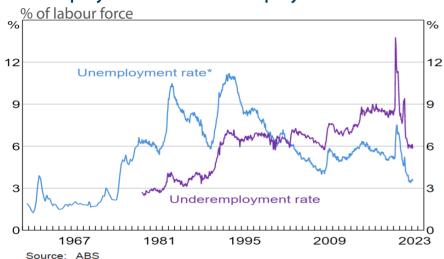


Source: ABS, BLS, Eurostat, Stats NZ, Macrobond, ANZ Research



# **AUSTRALIAN LABOUR MARKET**

### Unemployment and underemployment<sup>1</sup>

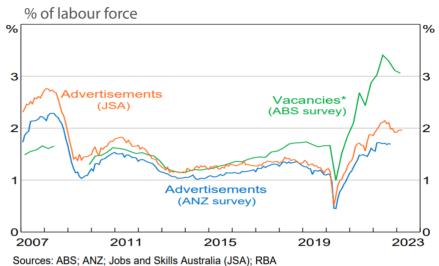


### Real labour income<sup>2</sup>

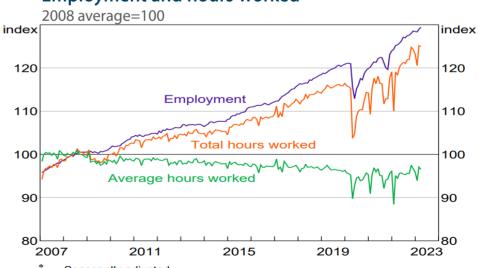
Sources: ABS; RBA



### Job vacancies and advertisements<sup>1</sup>



### Employment and hours worked\*, 1



\* Seasonally adjusted.

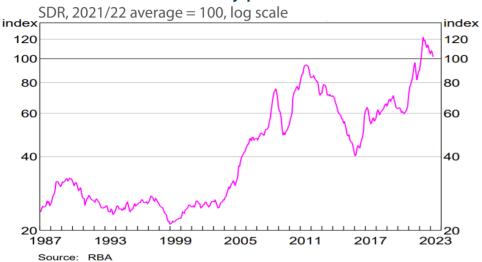
Sources: ABS; RBA

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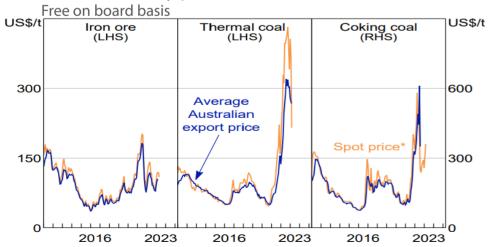




### RBA index of commodity prices<sup>1</sup>



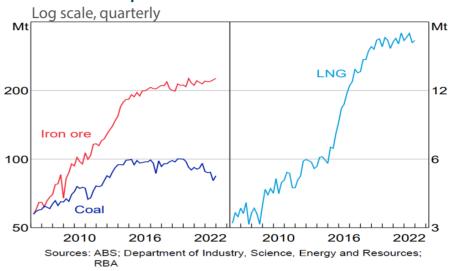
### Bulk commodity prices<sup>1</sup>



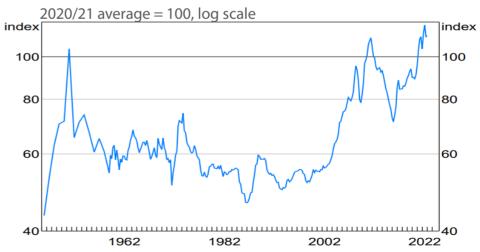
\* Iron ore 62% Fe fines index; Newcastle thermal coal and premium hard coking coal.

Sources: ABS; Bloomberg; McCloskey by OPIS; RBA

Resource exports<sup>1</sup>



### Terms of trade\*,1



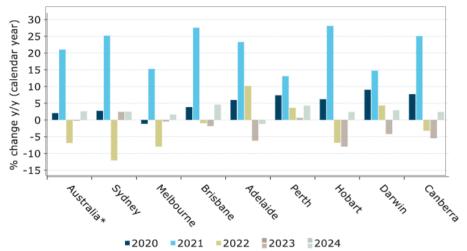
\* Annual data are used prior to 1960. Sources: ABS; RBA

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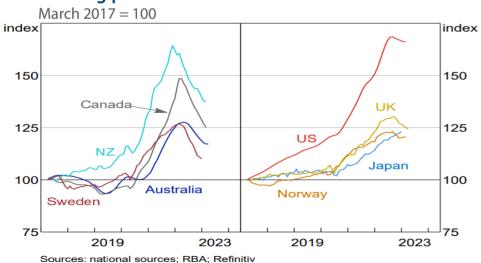


# **AUSTRALIAN HOUSING DYNAMICS**

### Housing price forecasts by capital city<sup>1</sup>



### Housing price indices<sup>3</sup>

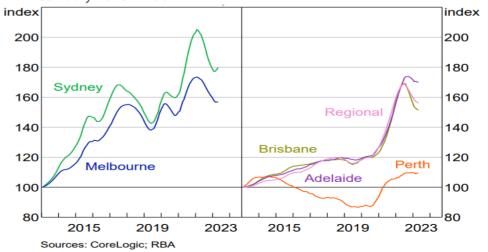


### House price growth<sup>2</sup>

Apr-23	6 Month Change		Year on Year Change			5 Year Cumulative Change			Fall from peak			
	Total	Houses	Units	Total	Houses	Units	Total	Houses	Units	Total	Houses	Units
Sydney	-1.1	-1.2	-0.9	-10.7	-12	-7.2	12.1	16.2	2.9	-11.2	-12.3	-8.3
Melbourne	-2.8	-3.2	-1.8	-8.9	-10.1	-5.8	2.1	-0.4	7.3	-9	-10.6	-5.8
Brisbane	-4.7	-5.6	-0.1	-9.8	-11.8	1.5	28.6	30.5	19.9	-10.7	-12.4	-1.3
Adelaide	-1.6	-2.1	1.9	1.3	0.3	8.8	43.5	45.4	32	-2.2	-3	0
Perth	0.9	1.1	-0.9	1.3	1.5	0.1	17.8	19.3	6.7	0	0	-13.6
Hobart	-7.7	-7.8	-7.5	-12.7	-12.7	-12.8	30.7	31.5	27.6	-13	-13.1	-13.9
Darwin	-2.4	-2.4	-2.4	-0.5	-0.3	-1.1	12.7	15.1	8.2	-13	-6.4	-28.1
Canberra	-4.4	-5.2	-1.6	-9.3	-11.1	-2.7	33.9	36.5	24.1	-9.5	-11.1	-3.9
Australia	-2.2	-2.4	-1.2	-8	-8.9	-4.9	16.3	18.2	10.1	-8	-8.9	-4.9

### Housing prices<sup>4</sup>

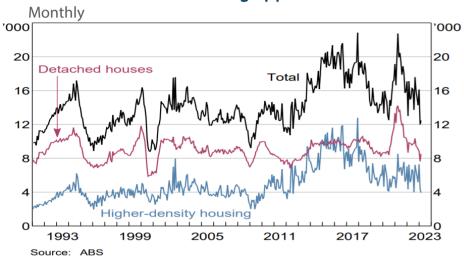
January 2013 = 100



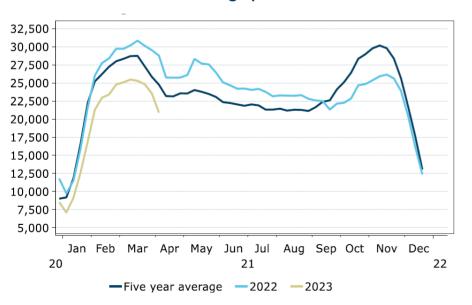


# **AUSTRALIAN HOUSING DYNAMICS**

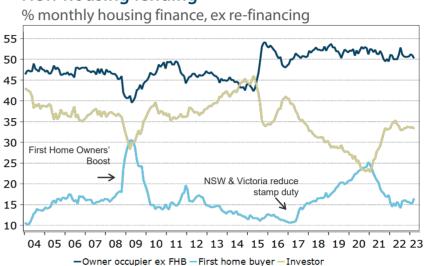
### Private residential building approvals<sup>1</sup>



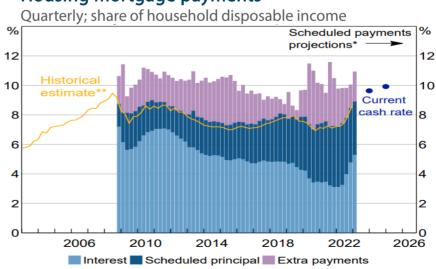
### Number of new listings per month<sup>3</sup>



### New housing lending<sup>2</sup>



### Housing mortgage payments<sup>4</sup>

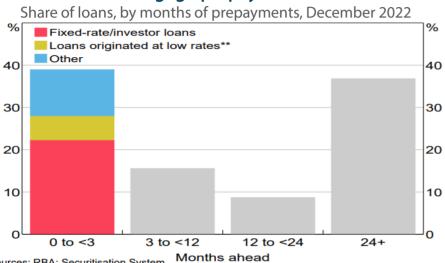


Sources: ABS; APRA; RBA

# ?

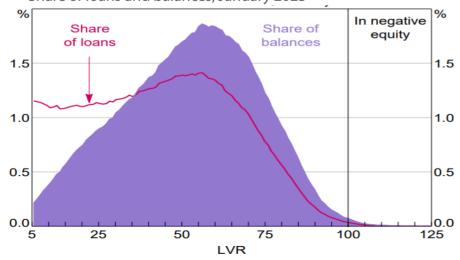
# **AUSTRALIAN HOUSING DYNAMICS - HOUSEHOLD RESILIENCE**

### Household mortgage prepayments<sup>1</sup>



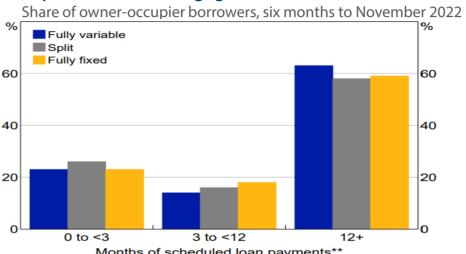
# Sources: RBA; Securitisation System Months ahead Outstanding LVR distribution<sup>1</sup>

Share of loans and balances, January 2023



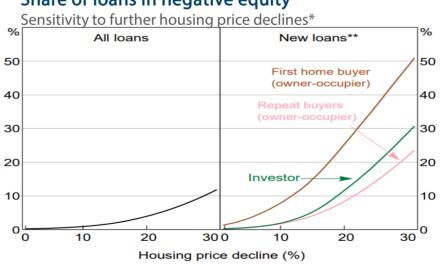
Sources: ABS; CoreLogic; RBA; Securitisation System

### Liquid assets of mortgage holders<sup>1</sup>



Months of scheduled loan payments\*\*
Sources: DBM Atlas; RBA

### Share of loans in negative equity<sup>1</sup>



Each percentage decline is applied to the price levels that prevailed in each SA3 region during January 2023, separately for houses and apartments.

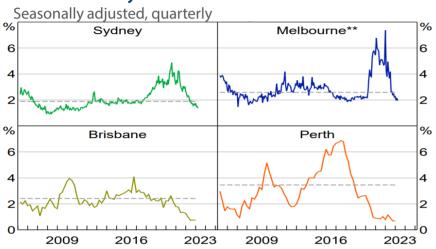
Sources: ABS; CoreLogic; RBA; Securitisation System

New loans are those originated since January 2020. These are somewhat under-represented in the Securitisation data as new loans can take some time to be securitised.

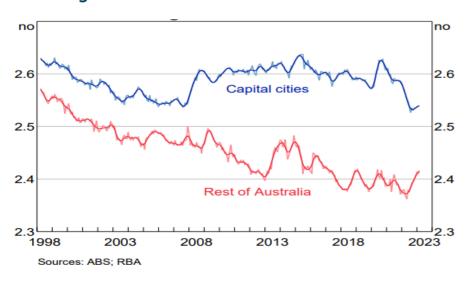


# **AUSTRALIAN HOUSING - RENTAL MARKETS**

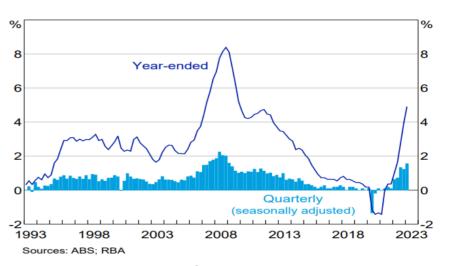
### Rental vacancy rates<sup>1</sup>



### Average household size<sup>1</sup>



### Rent inflation<sup>1</sup>



### Net overseas arrivals<sup>2</sup>





# **KEY CONTACTS**

# **ANZ Debt Investors Centre**



### **Key Contacts**

Adrian Went David Goode Stever
Group Treasurer Head of Debt Investor Relations Associ

+61 3 8654 5532 +61 412 027 151 +61 410 495 399

 $\underline{Adrian.Went@anz.com} \\ \underline{David.Goode@anz.com}$ 

Scott Gifford Simon Reid
Head of Funding Director, Group Funding

+61 3 8655 5683 +61 8655 0287 +61 434 076 876 +61 481 013 637 Scott.Gifford@anz.com Simon.Reid@anz.com Steven Aquilina

Associate Director, Debt Investor Relations

+61 3 8654 7778 +61 447 744 542

Steven.Aquilina@anz.com

John Needham

Head of Capital and Secured Funding

+61 2 8037 0670 +61 411 149 158

John.Needham@anz.com

### **General Mailbox**

Debt Investor Relations
<a href="mailto:DebtIR@anz.com">DebtIR@anz.com</a>

### For further information visit

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