MACQUARIE BANK

1H22

Macquarie Bank
Management Discussion and Analysis

Half year ended 30 September 2021

Macquarie Bank Limited ACN 008 583 542

Notice to readers

The purpose of this report is to provide information supplementary to the Macquarie Bank Limited Interim Financial Report (the Financial Report) for the half year ended 30 September 2021, including further detail in relation to key elements of Macquarie Bank Limited and its subsidiaries' (Macquarie Bank, the Consolidated Entity) financial performance and financial position. The report also outlines the funding and capital profile of the Consolidated Entity.

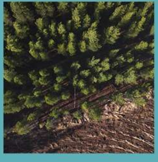
Certain financial information in this report is prepared on a different basis to that contained in the Financial Report, which is prepared in accordance with Australian Accounting Standards. Where financial information presented within this report does not comply with Australian Accounting Standards, a reconciliation to the statutory information is provided.

Date of this report

This report has been prepared for the half year ended 30 September 2021 and is current as at 29 October 2021.

Cover image

For almost two decades we have worked with governments and clients to drive the energy transition and advance practical solutions to climate challenges. We have built market leading capabilities in investing directly into climate mitigation and adaptation infrastructure and in supporting our clients and portfolio companies to decarbonise their activities. We are committed to playing a leading role in achieving global net zero emissions by 2050.



Explanatory notes

Comparative information and conventions

Where necessary, comparative figures have been restated to conform to changes in current year financial presentation and group structures.

References to the prior corresponding period (pcp) are to the six months ended 30 September 2020.

References to the prior period are to the six months ended 31 March 2021.

References to the current period and current half year are to the six months ended 30 September 2021.

In the financial tables throughout this document '*' indicates that the absolute percentage change in the balance was greater than 300% or indicates the result was a gain in one period but a loss in another, or vice versa.

Independent Auditor's Review Report

This document should be read in conjunction with the Financial Report for the half year ended 30 September 2021, which was subject to independent review by PricewaterhouseCoopers.

PricewaterhouseCoopers' independent auditor's review report to the members of Macquarie Bank Limited dated 29 October 2021 was unqualified.

Any additional financial information in this document which is not included in the Financial Report was not subject to independent review by PricewaterhouseCoopers.

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Result Overview

1.1 Executive Summary

1H22 net profit	1H22 net operating income	1H22 operating expenses
$A1,243m	**$A4,412m**	**$A2,783m**
↑ 88% on pcp	↑ 50% on pcp	↑ 32% on pcp

1H22 Net profit contribution by Operating Group

Summary of the Operating Groups' performance for the half year ended 30 September 2021.

Banking and Financial Services (BFS)

$A482m

↑ 53% on pcp

- Higher net interest and trading income driven by volume growth in the loan portfolio and BFS deposits
- Decreased credit impairment charges driven by an improvement in expected macroeconomic conditions compared to the prior corresponding period
- Decreased brokerage, commission and fee expenses largely due to the cessation of grandfathered commission payments to third party advisors in line with legislation.

Partially offset by:

- higher employment and technology expenses, including increased headcount, to support business growth.

Commodities and Global Markets (CGM)

$A1,772m

↑ 92% on pcp

- Increased risk management products income reflecting strong results across all sectors particularly from Gas and Power, Resources, and Agriculture due to increased client hedging activity and gains associated with management of those exposures as a result of elevated levels of volatility and price movements in commodity markets
- Net income on equity, debt and other investments up significantly driven by the gain on the partial sale of the UK Meters portfolio of assets, comprising the industrial and commercial portfolio
- Decreased credit and other impairment charges due to an improvement in expected global macroeconomic conditions.

Partially offset by:

- lower inventory management and trading income included strong trading gains from supply and demand imbalances in Gas and Power that were more than offset by the impact of timing of income recognition, primarily on storage contracts and transport agreements
- lower fee and commission income due to a reduction in fees associated with structured deals in asset finance which occur on an intermittent basis.

Corporate update

In November 2020, the transfer of MGL's service entities from the Non-Bank Group to the Consolidated Entity was executed following approval from both the MGL and MBL Boards. The service entities largely employ staff in Central Service Groups, together with some back and middle office staff from the Operating Groups. The transfer resulted in an increase of approximately 7,500 permanent headcount for the Consolidated Entity. Where staff provide services to the Non-Bank Group, the Consolidated Entity earns fees for these services, which are charged on an arms-length basis.

Refer to Note *22 Acquisitions and disposals of subsidiaries and businesses* in the Financial Report for additional information.

Profit attributable to the ordinary equity holder

$A1,243m

↑ 88% on pcp

	HALF YEAR TO			*MOVEMENT*	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Financial performance summary					
Net interest income	**1,215**	1,084	1,005	*12*	*21*
Net trading income	**1,702**	1,941	1,374	*(12)*	*24*
Fee and commission income	**896**	810	516	*11*	*74*
Net operating lease income	**154**	189	206	*(19)*	*(25)*
Net credit impairment charges	**(94)**	(46)	(241)	*104*	*(61)*
Net other impairment reversals/(charges)	**11**	(25)	(21)	*	*
Net other operating income	**528**	99	104	*	*
Net operating income	**4,412**	4,052	2,943	*9*	*50*
Employment expenses	**(1,796)**	(1,460)	(643)	*23*	*179*
Brokerage, commission and fee expenses	**(251)**	(229)	(296)	*10*	*(15)*
Non-salary technology expenses	**(320)**	(239)	(88)	*34*	*264*
Other operating expenses	**(416)**	(666)	(1,076)	*(38)*	*(61)*
Total operating expenses	**(2,783)**	(2,594)	(2,103)	*7*	*32*
Operating profit before income tax	**1,629**	1,458	840	*12*	*94*
Income tax expense	**(386)**	(442)	(180)	*(13)*	*114*
Profit after income tax	**1,243**	1,016	660	*22*	*88*
Profit attributable to the ordinary equity holder of Macquarie Bank Limited	**1,243**	1,016	660	*22*	*88*
Key Metrics					
Expense to income ratio (%)	**63.1**	64.0	71.5		
Effective tax rate (%)	**23.7**	30.3	21.4		

1.1 Executive Summary

Continued

Net operating income

Net operating income of $A4,412 million for the half year ended 30 September 2021 increased 50% from $A2,943 million in the prior corresponding period, mainly driven by higher Net interest and trading income, Net other operating income and Fee and commission income.

Net interest and trading income

HALF YEAR TO		
Sep 21 $Am	Mar 21 $Am	Sep 20 $Am
2,917	3,025	2,379

↑ **23%** on pcp

- Increased risk management products income reflecting strong results across all sectors, particularly from Gas and Power, Resources, and Agriculture in CGM
- Growth in the average loan and lease portfolio and growth in average deposit volumes in BFS.

Partially offset by:

- lower inventory management and trading income with strong trading gains more than offset by the impact of timing of income recognition in CGM.

Fee and commission income

HALF YEAR TO		
Sep 21 $Am	Mar 21 $Am	Sep 20 $Am
896	810	516

↑ **74%** on pcp

- Higher income due to fees received from the Non-Bank Group for services provided by the Central Service Groups which were transferred to MBL during the prior period.

Net operating lease income

HALF YEAR TO		
Sep 21 $Am	Mar 21 $Am	Sep 20 $Am
154	189	206

↓ **25%** on pcp

- Reduction in secondary income in Technology, Media and Telecoms as well as the partial sale of the UK Meters portfolio of assets in CGM.

Credit and other impairment charges

HALF YEAR TO		
Sep 21 $Am	Mar 21 $Am	Sep 20 $Am
(83)	(71)	(262)

↓ **68%** on pcp

- Lower credit impairment charges recognised across the Consolidated Entity compared to the prior corresponding period reflecting improvement in expected macroeconomic conditions.

Net other operating income

HALF YEAR TO		
Sep 21 $Am	Mar 21 $Am	Sep 20 $Am
528	99	104

↑ **significantly** on pcp

- Gain on the partial sale of the UK Meters portfolio of assets in CGM.

Operating expenses

Total operating expenses of $A2,783 million for the half year ended 30 September 2021 increased 32% from $A2,103 million in the prior corresponding period mainly driven by higher Employment expenses. This was partially offset by lower Other operating expenses.

Employment expenses

HALF YEAR TO		
Sep 21	Mar 21	Sep 20
$Am	$Am	$Am
1,796	1,460	643

↑ **significantly** on pcp

- Higher employment expenses mainly due to the transfer of staff from MGL's service entities during the prior period resulting in an increase in permanent headcount of approximately 7,500 for the Consolidated Entity
- Higher performance-related profit share expense and share-based payments as a result of increased headcount due to the transfer of the service entities, as well as the improved performance of the Consolidated Entity.

Brokerage, commission and fee expenses

HALF YEAR TO		
Sep 21	Mar 21	Sep 20
$Am	$Am	$Am
251	229	296

↓ **15%** on pcp

- The cessation of grandfathered commission payments to third party advisors in line with legislation in BFS
- Reduced trading volumes in financial markets in specific high volume activities in CGM.

Non-salary technology expenses

HALF YEAR TO		
Sep 21	Mar 21	Sep 20
$Am	$Am	$Am
320	239	88

↑ **significantly** on pcp

- Higher technology expenses mainly due to the transfer of costs of Central Service Groups during the prior period to the Consolidated Entity.

Other operating expenses

HALF YEAR TO		
Sep 21	Mar 21	Sep 20
$Am	$Am	$Am
416	666	1,076

↓ **61%** on pcp

- Reduced Other operating expenses mainly driven by the transfer of MGL's service entities to the Consolidated Entity in November 2020:
  - prior to the transfer, the Consolidated Entity recognised its allocation of charges from the service entities in Other expenses which were charged on an arm's-length basis
  - following the transfer, the costs of the service entities have been incurred directly by the Consolidated Entity and recognised in the underlying expense categories, including Employment expenses and Non-salary technology expenses.

Income tax expense

Income tax expense of $A386 million for the half year ended 30 September 2021 increased significantly from $A180 million in the prior corresponding period, primarily reflecting the higher operating profit before income tax. The effective tax rate for the half year ended 30 September 2021 was 23.7%, up from 21.4% in the prior corresponding period and down from 30.3% in the prior period.

The higher effective tax rate compared to the prior corresponding period was mainly driven by the geographic composition and nature of earnings.

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Financial Performance Analysis

2.1 Net Interest and Trading Income

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Net interest income	**1,215**	1,084	1,005	12	21
Net trading income	**1,702**	1,941	1,374	*(12)*	*24*
Net interest and trading income	**2,917**	3,025	2,379	*(4)*	*23*

Net interest income and net trading income are recorded in accordance with Australian Accounting Standards, with net interest income brought to account using the effective interest method and net trading income predominantly comprising gains and losses relating to trading activities.

For CGM, which predominantly earns income from trading-related activities, the relative contribution of net interest income and net trading income from those activities can vary from period to period depending on the underlying trading strategies undertaken by the Consolidated Entity and its clients.

With respect to businesses that predominantly earn income from lending activities, derivatives that hedge interest rate risk are measured at fair value through profit or loss (FVTPL). Changes in fair value are presented in net trading income and give rise to income statement volatility unless designated in a hedge accounting relationship, in which case the carrying value of the hedged item is adjusted for changes in fair value attributable to the hedged risk to reduce volatility in the income statement. If designated in a cash flow hedge accounting relationship, the effective portion of the derivative's fair value gains or losses is deferred in the cash flow hedge reserve as part of Other Comprehensive Income (OCI), and subsequently recognised in the income statement at the time at which the hedged item affects the income statement for the hedged risk. For segment reporting, derivatives are accounted for on an accrual basis in the results of the Operating Groups to the extent that the Corporate segment manages the derivative volatility, either through the application of hedge accounting or where the derivative volatility may offset the volatility of other positions managed within the Corporate segment.

The presentation of net interest income and net trading income separately can distort the analysis of the underlying activities and drivers. For example, within Asset Finance (a business within CGM), interest rate swaps are entered into to hedge the interest rate risk associated with loan assets. The interest income and associated funding costs are recognised in net interest income, however the related swap is recognised in net trading income. Accordingly, net interest income and net trading income are presented and discussed below in aggregate for each Operating Group, which management believes presents a more consistent overview of business performance and allows for a better analysis of the underlying activities and drivers.

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
BFS	**974**	902	844	*8*	*15*
CGM					
Commodities	**1,213**	1,462	933	*(17)*	*30*
Foreign exchange, interest rates and credit	**389**	387	352	*1*	*11*
Equities	**180**	116	198	*55*	*(9)*
Asset Finance	**86**	65	63	*32*	*37*
Corporate	**75**	93	(11)	*(19)*	*
Net interest and trading income	**2,917**	3,025	2,379	*(4)*	*23*

Net interest and trading income of $A2,917 million for the half year ended 30 September 2021 increased 23% from $A2,379 million in the prior corresponding period.

BFS

Net interest and trading income in BFS relates to interest income earned from the loan portfolio that primarily comprises home loans, loans to businesses, vehicle leases and credit cards. BFS also generates income from deposits, which are used as a source of funding for the Banking Group.

Net interest and trading income of $A974 million for the half year ended 30 September 2021 increased 15% from $A844 million in the prior corresponding period mainly due to a 22% growth in the average loan and lease portfolio and 19% growth in the average BFS deposit volumes.

As at 30 September 2021 the loan and lease, and deposit portfolios included:

- home loan volumes of $A76.4 billion, up 14% from $A67.0 billion as at 31 March 2021
- business banking loan volumes of $A11.0 billion, up 8% from $A10.2 billion as at 31 March 2021
- vehicle finance volumes of $A10.9 billion, down 5% from $A11.5 billion as at 31 March 2021, and
- BFS deposits of $A88.2 billion up 9% from $A80.7 billion as at 31 March 2021.

CGM

Net interest and trading income of $A1,868 million for the half year ended 30 September 2021 increased 21% from $A1,546 million in the prior corresponding period:

Commodities

Net interest and trading income from commodity related activities is generated from the provision of hedging and risk management services and loans and working capital finance to clients across a range of commodity sectors including metals, energy and agriculture.

Income from risk management products is driven by managing clients' exposure to commodity price volatility which is supported by our strong internal risk management framework.

Lending and financing activities include interest income from the provision of loans and working capital finance to clients across a range of commodity sectors including metals, energy and agriculture. Commodities lending and financing activities are primarily secured against underlying assets and typically have associated hedging to protect against downside risk.

For inventory management and trading CGM enters into financial and physical contracts including exchange traded derivatives, OTC derivatives, storage contracts and transportation agreements as part of its commodities platform. These arrangements enable CGM to facilitate client transactions and provide CGM with trading opportunities where there is an imbalance between the supply and demand for commodities. Revenue is dependent on a number of factors including the volume of transactions, the level of risk assumed and the volatility of price movements across commodity markets and products.

Storage contracts and transportation agreements, which are managed on a fair value basis for financial and risk management purposes, are required to be accounted for on an accruals basis for statutory reporting purposes, which may result in some variability in the timing of reported income.

Net interest and trading income from commodities of $A1,213 million for the half year ended 30 September 2021 increased 30% from $A933 million in the prior corresponding period.

The current period included solid client activity across the commodities platform, with increased contributions recorded by Gas and Power, Resources, and Agriculture due to increased client hedging activity and gains associated with management of those exposures as a result of elevated levels of volatility and price movements in commodity markets.

Lending and financing income was driven by consistent contributions across the commodity platform.

The current period inventory management and trading result also benefited from strong trading gains from supply and demand imbalances recorded in Gas and Power which were largely offset by the unfavourable impact of timing of income recognition of $A356 million, primarily on storage contracts and transport agreements.

Foreign exchange, interest rates and credit

Net interest and trading income from foreign exchange, interest rates and credit related activities are generated from the provision of trading and hedging services to a range of corporate and institutional clients globally, in addition to making secondary markets in corporate debt securities, syndicated bank loans and middle market loans and providing specialty lending.

Net interest and trading income from foreign exchange, interest rates and credit related activities of $A389 million for the half year ended 30 September 2021 increased 11% from $A352 million in the prior corresponding period. Increased income in the current year was driven by continued strong client activity in structured foreign exchange and credit products across regions.

2.1 Net Interest and Trading Income

Continued

Equities

Equities net interest and trading income is generated from the issue of derivative products in key locations, the provision of equity finance solutions to institutional clients and the conduct of risk management and trading activities.

Equities net interest and trading income of $A180 million for the half year ended 30 September 2021 decreased 9% from $A198 million in the prior corresponding period due to a reduction in trading activities in EMEA. This was largely offset by a corresponding decrease in brokerage, commission and fee expenses.

Asset Finance

Net interest and trading income in Asset Finance predominantly relates to net income from the loan and finance lease portfolios (including ship finance, equipment and technology financing) and the funding costs associated with the operating lease portfolios (including energy, telecommunication and mining assets).

Net interest and trading income of $A86 million for the half year ended 30 September 2021 increased 37% from $A63 million in the prior corresponding period. The increase was largely as a result of increased volumes in Structured Lending, Technology, Media and Telecoms and Shipping Finance.

The loan and finance lease portfolio was $A6.4 billion as at 30 September 2021, an increase of 36% from $A4.7 billion as at 30 September 2020. The increase was largely due to increased activity across Structured Lending, Technology, Media and Telecoms and Shipping Finance portfolios.

Corporate

Net interest and trading income/(expense) in the Corporate segment includes the net result of managing Macquarie Bank's liquidity and funding requirements, earnings on capital, funding costs associated with centrally held investments and accounting volatility arising from movements in underlying rates relating to economically hedged positions where hedge accounting is unable to be achieved. In addition, the Corporate segment includes the Cash Equities business, which was transferred from Commodities and Global Markets to Macquarie Capital in the Non-Bank Group in the prior corresponding period.

Net Interest and trading income of $A75 million for the half year ended 30 September 2021 compared to an expense of $A11 million in the prior corresponding period due to the impact of accounting volatility from changes in the fair value of economic hedges and the reduction in Cash Equities as part of the transfer to Macquarie Capital in the Non-Bank Group in the prior corresponding period. This was partially offset by lower earnings on capital driven by lower Australian and US interest rates.

2.2 Fee and Commission Income

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	Mar 21	Sep 20
	$Am	$Am	$Am	%	%
Brokerage and other trading-related income	**132**	133	227	*(1)*	*(42)*
Other fee and commission income	**764**	677	289	*13*	*164*
Total fee and commission income	**896**	810	516	*11*	*74*

Fee and commission income comprises Brokerage and other trading-related income and Other fee and commission income. Brokerage and other trading-related income primarily includes brokerage income from the Equity Derivatives and Trading and Futures businesses in CGM and brokerage income from the provision of wealth services in BFS. Other fee and commission income includes fees earned on a range of BFS' products and services including BFS Wrap and Vision platforms, home loans, vehicle finance, credit cards, business loans and deposits, while Other fee and commission income from CGM includes income from structured, index and retail products. In addition, since the transfer of the service entities to the Consolidated Entity in November 2020, Other fee and commission income includes fees received from the Non-Bank Group for services provided by the Central Service Groups.

Total fee and commission income of $A896 million for the half year ended 30 September 2021 increased 74% from $A516 million in the prior corresponding period primarily due to higher fee income received from the Non-Bank Group for services provided by the Central Service Groups which were transferred to MBL during the prior period.

2.3 Net Operating Lease Income

	HALF YEAR TO			*MOVEMENT*	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Rental income	**310**	363	483	*(15)*	*(36)*
Depreciation and other operating lease-related charges	**(156)**	(174)	(277)	*(10)*	*(44)*
Net operating lease income	**154**	189	206	*(19)*	*(25)*

Net operating lease income of $A154 million for the half year ended 30 September 2021 decreased 25% from $A206 million in the prior corresponding period. The decrease was primarily driven by a reduction in secondary income in Technology, Media and Telecoms as well as the partial sale of the UK Meters portfolio of assets in CGM.

2.4 Credit and Other Impairment Charges

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Net credit impairment (charges)/reversals					
Loan assets	**(41)**	(3)	(193)	*	*(79)*
Margin money and settlement assets	**(11)**	(5)	(24)	*120*	*(54)*
Financial investments, other assets, undrawn commitments, financial guarantees	**(42)**	(38)	(26)	*11*	*62*
Gross credit impairment charges	**(94)**	(46)	(243)	*104*	*(61)*
Recovery of loans previously written off	**-**	-	2	-	*(100)*
Net credit impairment charges	**(94)**	(46)	(241)	*104*	*(61)*
Net other impairment reversals/(charges)					
Interests in associates and joint ventures	**12**	(14)	(10)	*	*
Intangible assets and other non-financial assets	**(1)**	(11)	(11)	*(91)*	*(91)*
Net other impairment reversals/(charges)	**11**	(25)	(21)	*	*
Total credit and other impairment charges	**(83)**	(71)	(262)	*17*	*(68)*

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
BFS	**(31)**	(37)	(78)	*(16)*	*(60)*
CGM	**(60)**	(67)	(173)	*(10)*	*(65)*
Corporate	**8**	33	(11)	*(76)*	*
Total credit and other impairment charges	**(83)**	(71)	(262)	*17*	*(68)*

Total credit and other impairment charges of $A83 million for the half year ended 30 September 2021 decreased 68% from $A262 million in the prior corresponding period. This included $A94 million in net credit impairment charges, down from $A241 million in the prior corresponding period reflecting improvement in expected macroeconomic conditions.

Net credit impairment charges include losses arising from defaulted positions and ECL charges calculated on a forward-looking basis using modelled outcomes as well as overlays reflecting management judgement for modelling, regional and industry specific risks.

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BFS

Credit and other impairment charges of $A31 million for the half year ended 30 September 2021 decreased 60% from $A78 million in the prior corresponding period largely due to an improvement in expected macroeconomic conditions compared to the prior corresponding period.

CGM

Credit and other impairment charges of $A60 million for the half year ended 30 September 2021 decreased 65% from $A173 million in the prior corresponding period due to an improvement in expected global macroeconomic conditions.

Corporate

Credit and other impairment reversals of $A8 million for the half year ended 30 September 2021, compared to a charge of $A11 million in the prior corresponding period.

For further information on the Consolidated Entity's determination of its expected credit losses, please refer to Note 10 *Expected credit losses* in the Financial Report.

2.5 Net other operating income

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	Mar 21	Sep 20
	$Am	$Am	$Am	%	%
Investment income					
Net gain on equity and debt investments	**19**	48	52	*(60)*	*(63)*
Net (loss)/gain on interests in associates and joint ventures	**(1)**	1	-	*	*
Net gain on non financial assets	**6**	7	9	*(14)*	*(33)*
Net gain on the disposal of businesses and subsidiaries	**455**	8	-	*	*
Total investment income	**479**	64	61	*	*
Share of net profits from associates and joint ventures	**15**	29	12	*(48)*	*25*
Other income	**34**	6	31	*	*10*
Total net other operating income	**528**	99	104	*	*

Total net other operating income of $A528 million for the half year ended 30 September 2021 increased significantly from $A104 million in the prior corresponding period, mainly due to the gain on partial sale of the UK Meters portfolio of assets in CGM.

Investment income

Investment income of $A479 million for the half year ended 30 September 2021 increased significantly from $A61 million in the prior corresponding period primarily driven by the gain on the partial sale of the UK Meters portfolio of assets in CGM.

2.6 Operating Expenses

	HALF YEAR TO			*MOVEMENT*	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Employment expenses					
Salary and related costs including commissions, superannuation and performance-related profit share	**(1,602)**	(1,324)	(551)	*21*	*191*
Share-based payments	**(156)**	(133)	(73)	*17*	*114*
Provision for long service leave and annual leave	**(38)**	(3)	(19)	*	*100*
Total employment expenses	**(1,796)**	(1,460)	(643)	*23*	*179*
Brokerage, commission and fee expenses	**(251)**	(229)	(296)	*10*	*(15)*
Non-salary technology expenses	**(320)**	(239)	(88)	*34*	*264*
Other operating expenses					
Occupancy expenses	**(99)**	(93)	(57)	*6*	*74*
Service cost recoveries from related entities	**-**	(283)	(825)	*(100)*	*(100)*
Professional fees	**(90)**	(111)	(67)	*(19)*	*34*
Indirect and other taxes	**(60)**	(42)	(44)	*43*	*36*
Audit fees	**(14)**	(13)	(15)	*8*	*(7)*
Amortisation of intangibles assets	**(12)**	(11)	(11)	*9*	*9*
Advertising and communication expenses	**(20)**	(16)	(10)	*25*	*100*
Other expenses	**(121)**	(97)	(47)	*25*	*157*
Total other operating expenses	**(416)**	(666)	(1,076)	*(38)*	*(61)*
Total operating expenses	**(2,783)**	(2,594)	(2,103)	*7*	*32*

Total operating expenses of $A2,783 million for the half year ended 30 September 2021 increased 32% from $A2,103 million in the prior corresponding period mainly driven by the transfer of the Central Service Groups in the prior period to the Consolidated Entity.

Key drivers of the movement included:

- Total employment expenses of $A1,796 million for the half year ended 30 September 2021 increased significantly from $A643 million in the prior corresponding period driven by higher salary and related costs mainly due to the transfer of staff from MGL's service entities during the current year resulting in an increase in permanent headcount of approximately 7,500 for the Consolidated Entity and an increase in performance-related profit share expense and share-based payments as a result of the increased headcount due to the transfer of the services entities, as well as the performance of the Bank Group
- Brokerage, commission and fee expenses of $A251 million for the half year ended 30 September 2021 decreased 15% from $A296 million in the prior corresponding period, primarily due to the cessation of grandfathered commission payments to third party advisors, in line with legislation, in BFS, as well as reduced trading volumes in financial markets in specific high volume activities in CGM
- Non-salary technology expenses of $A320 million for the half year ended 30 September 2021 increased significantly from $A88 million in the prior corresponding period primarily driven by the transfer of costs of Central Service Groups in the prior period to the Consolidated Entity
- Total other operating expenses of $A416 million for the half year ended 30 September 2021 decreased 61% from $A1,076 million in the prior corresponding period mainly due to the transfer of MGL's service entities to the Bank Group in the prior period. Prior to the transfer, the Bank Group recognised its allocation of charges from the service entities in Other expenses which were charged on an arms-length basis. Since the transfer, the costs of the service entities have been incurred directly by the Bank Group and recognised in the underlying expense categories, including Employment expenses and Non-salary technology expenses.

2.7 Headcount

	AS AT			MOVEMENT	
	Sep 21	Mar 21	Sep 20	Mar 21 %	Sep 20 %
Headcount by Operating Group[1]					
BFS	**3,151**	2,986	2,876	*6*	*10*
CGM	**1,964**	1,946	1,591	*1*	*23*
Total headcount – Operating Groups	**5,115**	4,932	4,467	*4*	*15*
Total headcount – Corporate	**7,533**	7,644	9	*(1)*	*
Total headcount	**12,648**	12,576	4,476	*1*	*183*
Headcount by region					
Australia[2]	**6,797**	6,553	3,185	*4*	*113*
International:					
Americas	**1,427**	1,409	447	*1*	*219*
Asia	**2,980**	3,177	190	*(6)*	*
Europe, Middle East and Africa	**1,444**	1,437	654	*<1*	*121*
Total headcount – International	**5,851**	6,023	1,291	*(3)*	*
Total headcount	**12,648**	12,576	4,476	*1*	*183*
International headcount ratio (%)	**46**	48	29		

Total headcount increased significantly to 12,648 as at 30 September 2021 from 4,476 as at 30 September 2020 mainly due to the transfer of staff from MGL's service entities during the prior period, resulting in an increase in permanent headcount of approximately 7,500 for the Consolidated Entity. In addition, BFS headcount has increased on the prior corresponding period mainly to support volume growth.

(1) Headcount numbers in this document includes certain staff employed in operationally segregated subsidiaries (OSS).
(2) Includes New Zealand.

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2.8 Income Tax Expense

	HALF YEAR TO		
	Sep 21	Mar 21	Sep 20
	$Am	$Am	$Am
Operating profit before income tax	**1,629**	1,458	840
Prima facie tax @ 30%	**489**	437	252
Income tax permanent differences	**(103)**	5	(72)
Income tax expense	**386**	442	180
Effective tax rate[1]	**23.7%**	30.3%	21.4%

Income tax expense of $A386 million for the half year ended 30 September 2021 increased significantly from $A180 million in the prior corresponding period, primarily reflecting the higher operating profit before income tax. The effective tax rate for the half year ended 30 September 2021 was 23.7%, up from 21.4% in the prior corresponding period and down from 30.3% in the prior period.

The higher effective tax rate compared to the prior corresponding period was mainly driven by the geographic composition and nature of earnings.

(1) The effective tax rate is calculated on Operating profit before income tax and after non-controlling interests.

03

Segment Analysis

3.1 Basis of Preparation

Operating Segments

AASB 8 Operating Segments requires the 'management approach' to disclosing information about the Consolidated Entity's reportable segments. The financial information is reported on the same basis as used internally by senior management for evaluating Operating Segment performance and for deciding how to allocate resources to Operating Segments. Such information may be produced using different measures to that used in preparing the statutory income statement.

For internal reporting, performance measurement and risk management purposes, the Consolidated Entity is divided into two Operating Groups and a Corporate segment (reportable Segments).

The financial information disclosed relates to the Consolidated Entity's continuing operations.

These segments have been set up based on the different core products and services offered. The Operating Groups comprise:

- **BFS** provides a diverse range of personal banking, wealth management, business banking and vehicle finance[1] products and services to retail clients, advisers, brokers and business clients
- **CGM** is a global business offering capital and financing, risk management, market access, physical execution and logistics solutions to its diverse client base across Commodities, Financial Markets and Asset Finance

The Corporate segment, which is not considered an Operating Group, comprises head office and Central Service Groups, including Group Treasury, and holds certain legacy and strategic investments, assets and businesses that are not allocated to any of the Operating Groups. Consequent to a group internal restructuring, any balances pertaining to an operating segment that are not individually material are also reported as part of the Corporate segment.

Items of income and expense within the Corporate segment include the net result of managing Macquarie Bank's liquidity and funding requirements, earnings on capital and the residual accounting volatility relating to economically hedged positions where hedge accounting is applied, as well as accounting volatility for other economically hedged positions where hedge accounting is not applicable.

Other items of income and expenses within the Corporate segment include earnings from investments, unallocated head office costs and costs of Central Service Groups, the Consolidated Entity's performance-related profit share and share-based payments expense and income tax expense.

Below is a selection of key policies applied in determining the Operating Segment results.

Internal funding arrangements

Group Treasury has the responsibility for managing funding for the Consolidated Entity, and Operating Groups obtain their funding from Group Treasury. The interest rates charged by Group Treasury are determined by the currency and term of the funding. Break costs may be charged to Operating Groups for the early repayment of term funding.

Generally, Operating Groups may only source funding directly from external sources where the funding is secured by the Operating Group's assets. In such cases the Operating Group bears the funding costs directly and Group Treasury may levy additional charges where appropriate.

Deposits are a funding source for the Banking Group. The value of deposits that the Bank Group generates is recognised within Net interest and trading income for segment reporting purposes.

Transactions between Operating Segments

Operating Segments that enter into arrangements with other Operating Segments must do so on commercial terms or as agreed by the Consolidated Entity's Chief Executive Officer or Chief Financial Officer.

Internal transactions are recognised in each of the relevant categories of income and expense and eliminated on consolidation as appropriate.

(1) Includes general plant and equipment.

Accounting for derivatives that economically hedge interest rate risk

With respect to businesses that predominantly earn income from lending activities, derivatives that hedge interest rate risk are measured at fair value through profit or loss (FVTPL). Changes in fair value are presented in net trading income and give rise to income statement volatility unless designated in a hedge accounting relationship, in which case the carrying value of the hedged item is adjusted for changes in fair value attributable to the hedged risk to reduce volatility in the income statement. If designated in a cash flow hedge accounting relationship, the effective portion of the derivative's fair value gains or losses is deferred in the cash flow hedge reserve as part of Other comprehensive income (OCI), and subsequently recognised in the income statement at the time at which the hedged item affects the income statement for the hedged risk. For segment reporting, derivatives are accounted for on an accrual basis in the results of the Operating Groups to the extent that the Corporate segment manages the derivative volatility, either through the application of hedge accounting or where the derivative volatility may offset the volatility of other positions managed within the Corporate segment.

Central Service Groups

The Central Service Groups provide a range of functions supporting Macquarie's Operating Groups, ensuring they have the appropriate workplace support and systems to operate effectively and the necessary resources to meet their regulatory, compliance, financial reporting, legal and risk management requirements.

Central Service Groups recover their costs from Operating Groups generally on either a time and effort allocation basis or a fee for service basis. Central Service Groups include the Corporate Operations Group (COG), Financial Management Group (FMG), Risk Management Group (RMG), Legal and Governance Group (LGG) and Central Executive.

In November 2020, MGL's service entities were transferred from the Non-Bank Group to the Consolidated Entity following approval from both the MGL and MBL Boards.

The transfer was achieved through the execution of sale and purchase agreements whereby the Consolidated Entity acquired a 100% interest in Macquarie Group Services Australia (MGSA) and its subsidiaries from MGL and a 100% interest in Macquarie Global Services Private Limited (MGSPL) from Macquarie Global Finance Services (Mauritius) Limited (an indirect subsidiary of MGL).

The service entities largely employ staff in Central Service Groups, together with some back and middle office staff from MGL's Operating Groups. The transfer resulted in an increase of approximately 7,500 permanent headcount for the Consolidated Entity. Where the Consolidated Entity and its staff provide services to the Non-Bank Group, the Consolidated Entity earns fees for these services, which are charged on arms-length basis.

Performance-related profit share and share-based payments expense

Performance-related profit share and share-based payments expense relating to the Macquarie Group Employee Retained Equity Plan (MEREP) is recognised in the Corporate segment and not allocated to Operating Groups.

Income tax

Income tax expense and benefits are recognised in the Corporate segment and are not allocated to the Operating Groups. However, to recognise an Operating Group's contribution to permanent income tax differences, the internal management revenue/charge category is used.

This internal management revenue/charge category, which is primarily used for permanent income tax differences generated by the Operating Groups, are offset by an equal and opposite amount recognised in the Corporate segment such that they are eliminated on consolidation.

Presentation of segment income statements

The income statements on the following pages for each of the reported segments are in some cases summarised by grouping non-material balances together. Where appropriate, all material or key balances have been reported separately to provide users with information relevant to the understanding of the Consolidated Entity's financial performance. The financial information disclosed relates to the Consolidated Entity's ordinary activities.

3.1 Basis of Preparation

Continued

	BFS	CGM	Corporate	Total
	$Am	$Am	$Am	**$Am**
Half year ended 30 September 2021				
Net interest and trading income	974	1,868	75	**2,917**
Fee and commission income	220	216	460	**896**
Net operating lease income	-	152	2	**154**
Net other operating income				
Credit and other impairments (charges)/reversals	(31)	(60)	8	**(83)**
Other operating income and charges	-	510	18	**528**
Internal management revenue/(charge)	-	34	(34)	**-**
Net operating income	1,163	2,720	529	**4,412**
Total operating expenses	(681)	(948)	(1,154)	**(2,783)**
Operating profit/(loss) before income tax	482	1,772	(625)	**1,629**
Income tax expense	-	-	(386)	**(386)**
Distributions paid or provided for on Macquarie Income Securities (MIS)	-	-	-	**-**
Net profit/(loss) contribution from continuing operations	**482**	**1,772**	**(1,011)**	**1,243**
Half year ended 31 March 2021				
Net interest and trading income	902	2,030	93	**3,025**
Fee and commission income	215	222	373	**810**
Net operating lease income	-	186	3	**189**
Net other operating income				
Credit and other impairments (charges)/reversals	(37)	(67)	33	**(71)**
Other operating income and charges	12	70	17	**99**
Internal management (charge)/revenue	-	(4)	4	**-**
Net operating income	1,092	2,437	523	**4,052**
Total operating expenses	(638)	(937)	(1,019)	**(2,594)**
Operating profit/(loss) before income tax	454	1,500	(496)	**1,458**
Income tax expense	-	-	(442)	**(442)**
Distributions paid or provided for on Macquarie Income Securities (MIS)	-	-	-	**-**
Net profit/(loss) contribution from continuing operations	**454**	**1,500**	**(938)**	**1,016**
Half year ended 30 September 2020				
Net interest and trading income/(expense)	844	1,546	(11)	**2,379**
Fee and commission income	201	225	90	**516**
Net operating lease income	-	198	8	**206**
Net other operating income				
Credit and other impairments charges	(78)	(173)	(11)	**(262)**
Other operating income and charges	15	70	19	**104**
Internal management revenue/(charge)	1	1	(2)	**-**
Net operating income	983	1,867	93	**2,943**
Total operating expenses	(668)	(943)	(492)	**(2,103)**
Operating profit/(loss) before income tax	315	924	(399)	**840**
Income tax expense	-	-	(180)	**(180)**
Distributions paid or provided for on Macquarie Income Securities (MIS)	-	-	-	**-**
Net profit/(loss) contribution from continuing operations	**315**	**924**	**(579)**	**660**

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3.2 BFS

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Net interest and trading income	**974**	902	844	*8*	*15*
Fee and commission income					
Wealth management fee income	**147**	137	134	*7*	*10*
Banking and leasing fee income	**73**	78	67	*(6)*	*9*
Total fee and commission income	**220**	215	201	*2*	*9*
Other operating income and charges					
Net credit and other impairment charges	**(31)**	(37)	(78)	*(16)*	*(60)*
Other income	**-**	12	15	*(100)*	*(100)*
Total other operating income and charges	**(31)**	(25)	(63)	*24*	*(51)*
Internal management revenue	**-**	-	1	-	*(100)*
Net operating income	**1,163**	1,092	983	*7*	*18*
Operating expenses					
Employment expenses	**(219)**	(193)	(196)	*13*	*12*
Brokerage, commission and fee expenses	**(53)**	(61)	(81)	*(13)*	*(35)*
Technology expenses[1]	**(214)**	(191)	(202)	*12*	*6*
Other operating expenses	**(195)**	(193)	(189)	*1*	*3*
Total operating expenses	**(681)**	(638)	(668)	*7*	*2*
Net profit contribution	**482**	454	315	*6*	*53*
Non-GAAP metrics					
Funds on platform[2] ($Ab)	**116.4**	101.4	89.3	*15*	*30*
Loan and lease portfolio[3] ($Ab)	**98.7**	89.1	79.1	*11*	*25*
BFS deposits[4] ($Ab)	**88.2**	80.7	74.4	*9*	*19*
Headcount	**3,151**	2,986	2,876	*6*	*10*

Net profit contribution of $A482 million for the half year ended 30 September 2021, up 53% from the prior corresponding period due to:

- higher net interest and trading income driven by volume growth in the loan portfolio and BFS deposits
- decreased credit impairment charges driven by an improvement in the expected macroeconomic conditions compared to the prior corresponding period
- decreased brokerage, commission and fee expenses largely due to the cessation of grandfathered commission payments to third party advisors in line with legislation.

Partially offset by:

- higher employment and technology expenses, including increased headcount, to support business growth.

(1) Technology expenses include technology staff expenses, depreciation of technology assets, amortisation of capitalised software and maintenance costs.
(2) Funds on platform includes Macquarie Wrap and Vision.
(3) The Loan and lease portfolio comprises home loans, loans to businesses, vehicle finance and credit cards and includes portfolios that have been classified as held for sale.
(4) BFS deposits excludes corporate/wholesale deposits.

Net interest and trading income

Net interest and trading income in BFS relates to interest income earned from the loan portfolio that primarily comprises home loans, loans to businesses, vehicle leases and credit cards. BFS also generates income from deposits, which are used as a source of funding for the Banking Group.

Net interest and trading income of $A974 million for the half year ended 30 September 2021 increased 15% from $A844 million in the prior corresponding period mainly due to a 22% growth in the average loan and lease portfolio and 19% growth in the average BFS deposit volumes.

As at 30 September 2021 the loan and lease, and deposit portfolios included:

- home loan volumes of $A76.4 billion, up 14% from $A67.0 billion as at 31 March 2021
- business banking loan volumes of $A11.0 billion, up 8% from $A10.2 billion as at 31 March 2021
- vehicle finance volumes of $A10.9 billion, down 5% from $A11.5 billion as at 31 March 2021, and
- BFS deposits of $A88.2 billion up 9% from $A80.7 billion as at 31 March 2021.

Wealth management fee income

Wealth management fee income relates to fees earned on a range of BFS' products and services including platforms and the provision of wealth services.

Funds on platform closed at $A116.4 billion at 30 September 2021, an increase of 15% from $A101.4 billion at 31 March 2021 due to market movements and strong client net inflows.

Wealth management fee income of $A147 million for the half year ended 30 September 2021 increased 10% from $A134 million in the prior corresponding period driven by higher administration fees due to higher funds on platform, and higher advisor fees.

Banking and leasing fee income

Banking and leasing fee income relates to fees earned on a range of BFS' products including home loans, vehicle finance, credit cards, business loans and deposits.

Banking and leasing fee income of $A73 million for the half year ended 30 September 2021 increased 9% from $A67 million driven by higher lending and transaction volumes.

Net credit and other impairment charges

Credit and other impairment charges of $A31 million for the half year ended 30 September 2021 decreased 60% from $A78 million in the prior corresponding period largely due to improvement in the expected macroeconomic conditions compared to the prior corresponding period.

Other income

Other income of $A15 million in the prior corresponding period was mainly driven by the revaluation of an equity investment.

Operating expenses

Total operating expenses of $A681 million for the half year ended 30 September 2021 increased 2% from $A668 million in the prior corresponding period.

Employment expenses of $A219 million for the half year ended 30 September 2021 increased 12% from $A196 million in the prior corresponding period largely due to higher average headcount to support volume growth and regulatory requirements.

Brokerage, commission and fee expenses of $A53 million for the half year ended 30 September 2021 decreased 35% from $A81 million in the prior corresponding period largely due to the cessation of grandfathered commission payments to third party advisors in line with legislation. A corresponding benefit, passed on to customers since its cessation, is reflected in Net interest and trading income.

Technology expenses of $A214 million for the half year ended 30 September 2021 increased 6% from $A202 million in the prior corresponding period driven by investment in digitisation to support business growth.

Other operating expenses of $A195 million for the half year ended 30 September 2021 increased 3% from $A189 million in the prior corresponding period driven by increased investment in marketing acquisition spend.

3.3 CGM

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Net interest and trading income					
Commodities	**1,213**	1,462	933	*(17)*	*30*
Foreign exchange, interest rates and credit	**389**	387	352	*1*	*11*
Equities	**180**	116	198	*55*	*(9)*
Asset Finance	**86**	65	63	*32*	*37*
Net interest and trading income	**1,868**	2,030	1,546	*(8)*	*21*
Fee and commission income					
Brokerage and other trading-related income	**108**	93	108	*16*	-
Other fee and commission income	**108**	129	117	*(16)*	*(8)*
Total fee and commission income	**216**	222	225	*(3)*	*(4)*
Net operating lease income	**152**	186	198	*(18)*	*(23)*
Other operating income and charges					
Net income on equity, debt and other investments	**461**	6	37	*	*
Net credit and other impairment charges	**(60)**	(67)	(173)	*(10)*	*(65)*
Other income	**49**	64	33	*(23)*	*48*
Total other operating income and charges	**450**	3	(103)	*	*
Internal management revenue/(charge)	**34**	(4)	1	*	*
Net operating income	**2,720**	2,437	1,867	*12*	*46*
Operating expenses					
Employment expenses	**(261)**	(239)	(217)	*9*	*20*
Brokerage, commission and fee expenses	**(186)**	(166)	(203)	*12*	*(8)*
Other operating expenses	**(501)**	(532)	(523)	*(6)*	*(4)*
Total operating expenses	**(948)**	(937)	(943)	*1*	*1*
Net profit contribution	**1,772**	1,500	924	*18*	*92*
Non-GAAP metrics					
Headcount	**1,964**	1,946	1,591	*1*	*23*

Net profit contribution of $A1,772 million for the half year ended 30 September 2021, up 92% from the prior corresponding period due to:

- increased risk management products income reflecting strong results across all sectors particularly from Gas and Power, Resources, and Agriculture due to increased client hedging activity and gains associated with management of those exposures as a result of elevated levels of volatility and price movements in commodity markets
- net income on equity, debt and other investments up significantly driven by the gain on the partial sale of the UK Meters portfolio of assets, comprising the industrial and commercial portfolio
- decreased credit and other impairments charges due to an improvement in expected global macroeconomic conditions.

Partially offset by:

- lower inventory management and trading income included strong trading gains from supply and demand imbalances in Gas and Power that were more than offset by the impact of timing of income recognition, primarily on storage contracts and transport agreements
- lower fee and commission income due to a reduction in fees associated with structured deals in asset finance which occur on an intermittent basis.

Net interest and trading income

Net interest and trading income of $A1,868 million for the half year ended 30 September 2021 increased 21% from $A1,546 million in the prior corresponding period

Commodities net interest and trading income

Net interest and trading income from commodity related activities is generated from the provision of hedging and risk management services and loans and working capital finance to clients across a range of commodity sectors including metals, energy and agriculture.

Income from risk management products is driven by managing clients' exposure to commodity price volatility which is supported by our strong internal risk management framework.

Lending and financing activities include interest income from the provision of loans and working capital finance to clients across a range of commodity sectors including metals, energy and agriculture. Commodities lending and financing activities are primarily secured against underlying assets and typically have associated hedging to protect against downside risk.

For inventory management and trading, CGM enters into financial and physical contracts including exchange traded derivatives, OTC derivatives, storage contracts and transportation agreements as part of its commodities platform. These arrangements enable CGM to facilitate client transactions and provide CGM with trading opportunities where there is an imbalance between the supply and demand for commodities. Revenue is dependent on a number of factors including the volume of transactions, the level of risk assumed and the volatility of price movements across commodity markets and products.

Storage contracts and transportation agreements, which are managed on a fair value basis for financial and risk management purposes, are required to be accounted for on an accruals basis for statutory reporting purposes, which may result in some variability in the timing of reported income.

Net interest and trading income from commodities of $A1,213 million for the half year ended 30 September 2021 increased 30% from $A933 million in the prior corresponding period.

The current period included solid client activity across the commodities platform, with increased contributions recorded by Gas and Power, Resources, and Agriculture due to increased client hedging activity and gains associated with management of those exposures as a result of elevated levels of volatility and price movements in commodity markets.

Lending and financing income was driven by consistent contributions across the commodity platform.

The current period inventory management and trading result also benefited from strong trading gains from supply and demand imbalances recorded in Gas and Power which were largely offset by the unfavourable impact of timing of income recognition of $A356 million, primarily on storage contracts and transport agreements.

Foreign exchange, interest rates and credit net interest and trading income

Net interest and trading income from foreign exchange, interest rates and credit related activities are generated from the provision of trading and hedging services to a range of corporate and institutional clients globally, in addition to making secondary markets in corporate debt securities, syndicated bank loans and middle market loans and providing specialty lending.

Net interest and trading income from foreign exchange, interest rates and credit related activities of $A389 million for the half year ended 30 September 2021 increased 11% from $A352 million in the prior corresponding period. Increased income in the current year was driven by continued strong client activity in structured foreign exchange and credit products across regions.

Equities net interest and trading income

Equities net interest and trading income is generated from the issue of derivative products in key locations, the provision of equity finance solutions to institutional clients and the conduct of risk management and trading activities.

Equities net interest and trading income of $A180 million for the half year ended 30 September 2021 decreased 9% from $A198 million in the prior corresponding period due to a reduction in trading activities in EMEA. This was largely offset by a corresponding decrease in brokerage, commission and fee expenses.

3.3 CGM

Continued

Asset Finance net interest and trading income

Net interest and trading income in Asset Finance predominantly relates to net income from the loan and finance lease portfolios (including ship finance, equipment and technology financing) and the funding costs associated with the operating lease portfolios (including energy, telecommunication and mining assets).

Net interest and trading income of $A86 million for the half year ended 30 September 2021 increased 37% from $A63 million in the prior corresponding period. The increase was largely as a result of increased volumes in Structured Lending, Technology, Media and Telecoms and Shipping Finance.

The loan and finance lease portfolio was $A6.4 billion as at 30 September 2021, an increase of 36% from $A4.7 billion as at 30 September 2020. The increase was largely due to increased activity across Structured Lending, Technology, Media and Telecoms and Shipping Finance portfolios.

Fee and commission income

Fee and commission income of $A216 million for the half year ended 30 September 2021 decreased 4% from $A225 million in the prior corresponding period.

The decrease primarily relates to a reduction in fees associated with structured deals in asset finance which occur on an intermittent basis.

Net operating lease income

Net operating lease income of $A152 million for the half year ended 30 September 2021 decreased 23% from $A198 million in the prior corresponding period. The movement was primarily driven by a reduction in secondary income in Technology, Media and Telecoms and the partial sale of UK Meters portfolio of assets.

Net income on equity, debt and other investments

Net income on equity, debt and other investments of $A461 million for the half year ended 30 September 2021 increased significantly from $A37 million in the prior corresponding period. The current year primarily reflected a gain on the partial sale of the UK Meters portfolio of assets, comprising the industrial and commercial portfolio.

Net credit and other impairment charges

Credit and Other impairment charges of $A60 million for the half year ended 30 September 2021 decreased 65% from $A173 million in the prior corresponding period due to an improvement in expected global macroeconomic conditions.

Operating expenses

Total operating expenses of $A948 million for the half year ended 30 September 2021 increased 1% from $A943 million in the prior corresponding period.

Employment expenses of $A261 million for the half year ended 30 September 2021 increased 20% from $A217 million in the prior corresponding period mainly due to the transfer of MGL's service entities from the Non-Bank Group to the Consolidated Entity, which included back and middle office staff in CGM.

Brokerage, commission and fee expenses include fees paid in relation to trading-related activities. Brokerage, commission and fee expenses of $A186 million for the half year ended 30 September 2021 decreased 8% from $A203 million in the prior corresponding period driven by reduced trading volumes in financial markets in specific high volume activities.

Other operating expenses of $A501 million for the half year ended 30 September 2021 decreased 4% from $A523 million in the prior corresponding period, driven by the transfer of MGL's service entities from the Non-Bank Group to the Consolidated Entity, which included back and middle office staff in CGM. Prior to the transfer, CGM recognised these costs in Other expenses. Following the transfer, the costs of back and middle office staff have been incurred directly by CGM and recognised in underlying expense categories, including Employment expenses. This was partially offset by expenditure on technology infrastructure and increasing investment in platform.

3.4 Corporate

	HALF YEAR TO			MOVEMENT	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Net interest and trading income/(expense)	**75**	93	(11)	*(19)*	*
Fee and commission expense	**460**	373	90	*23*	*
Net operating lease income	**2**	3	8	*(33)*	*(75)*
Other operating income and charges					
Net income on equity and debt investments	**15**	15	2	-	*
Net credit and other impairment reversals/(charges)	**8**	33	(11)	*(76)*	*
Other income and charges	**3**	2	17	*50*	*(82)*
Total other operating income and charges	**26**	50	8	*(48)*	*225*
Internal management revenue/(charge)	**(34)**	4	(2)	*	*
Net operating income	**529**	523	93	*1*	*
Operating expenses					
Employment expenses	**(1,316)**	(1,028)	(230)	*28*	*
Brokerage, commission and fee expenses	**(12)**	(2)	(12)	*	-
Other operating expenses	**174**	11	(250)	*	*
Other operating expenses	**(1,154)**	(1,019)	(492)	*13*	*135*
Income tax expense	**(386)**	(442)	(180)	*(13)*	*114*
Net loss contribution	**(1,011)**	(938)	(579)	*8*	*75*
Non-GAAP metrics					
Headcount	**7,532**	7,644	9	*(1)*	*

The Corporate segment comprises head office and central service groups including Group Treasury, and certain investments that are not aligned to an Operating Group. The Corporate segment also includes costs that are not allocated to the Operating Groups, including performance-related profit share and share-based payments expense, income tax expense and the net result of managing Macquarie Bank's liquidity and funding requirements.

In November 2020, the transfer of MGL's service entities from the Non-Bank Group to the Consolidated Entity was executed following approval from both the MGL and MBL Boards. The service entities largely employ staff in Central Service Groups, together with some back and middle office staff from the Operating Groups. The transfer resulted in an increase of approximately 7,500 permanent headcount for the Consolidated Entity. Where staff provide services to the Non-Bank Group, the Consolidated Entity earns fees for these services, which are charged on an arms-length basis.

Net interest and trading income

Net interest and trading income/(expense) in the Corporate segment includes the net result of managing Macquarie Bank's liquidity and funding requirements, earnings on capital, funding costs associated with centrally held investments and accounting volatility arising from movements in underlying rates relating to economically hedged positions where hedge accounting is unable to be achieved. In addition, the Corporate segment includes the Cash Equities business, which was transferred from Commodities and Global Markets to Macquarie Capital in the Non-Bank Group in the prior corresponding period.

Net Interest and trading income of $A75 million for the half year ended 30 September 2021 compared to an expense of $A11 million in the prior corresponding period due to the impact of accounting volatility from changes in the fair value of economic hedges and the reduction in Cash Equities as part of the transfer to Macquarie Capital in the Non-Bank Group in the prior corresponding period. This was partially offset by lower earnings on capital driven by lower Australian and US interest rates.

Fee and commission income

Fee and commission income in the Corporate segment primarily comprises internal transactions between Corporate and other segments within the Bank Group, and transactions between the Bank and Non-Bank Groups.

Fee and commission income of $A460 million for the half year ended 30 September 2021 increased significantly from $A90 million in the prior corresponding period which reflects the recovery of costs of the Central Service Groups from the Non-Bank Group.

Employment expenses

Employment expenses relate to the Consolidated Entity's Central Service Groups including COG, FMG, RMG, Legal and Governance, and Central Executive, as well as expenses associated with the Consolidated Entity's profit share and retention plans.

Employment expenses of $A1,316 million for the half year ended 30 September 2021 increased significantly from $A230 million in the prior corresponding period due to the transfer of staff from MGL's services entities during the prior period resulting in an increase in permanent headcount of approximately 7,500 for the Consolidated Entity.

Other operating expenses

Other operating expenses in the Corporate segment includes non-employment related operating costs of Central Service Groups, offset by the recovery of Central Service Groups' costs (including employment-related costs) from the Consolidated Entity.

The net recovery from the Operating Groups in the Consolidated Entity of $A174 million for the half year ended 30 September 2021 increased significantly from an expense of $A250 million in the prior corresponding period.

The change from the prior corresponding period reflects the transfer of the Central Services Groups into the Bank Group from the Non-Bank Group. Prior to the transfer, the Bank Group recognised its allocation of charges from the service entities in Other expenses which were charged on an arms-length basis.

04

Balance Sheet

4.1 Statement of Financial Position

	AS AT			*MOVEMENT*	
	Sep 21	Mar 21	Sep 20	*Mar 21*	*Sep 20*
	$Am	$Am	$Am	*%*	*%*
Assets					
Cash and bank balances	**28,769**	15,966	6,869	*80*	*
Cash collateralised lending and reverse repurchase agreements	**32,805**	34,555	42,933	*(5)*	*(24)*
Trading assets	**20,964**	21,212	18,518	*(1)*	*13*
Margin money and settlement assets	**16,092**	8,302	9,162	*94*	*76*
Derivative assets	**77,124**	20,552	21,618	*275*	*257*
Financial investments	**8,853**	7,999	7,575	*11*	*17*
Held for sale assets	**665**	74	454	*	*46*
Other assets	**4,650**	3,419	3,647	*36*	*28*
Loan assets	**109,501**	98,992	87,737	*11*	*25*
Due from related body corporate entities	**3,017**	2,154	4,525	*40*	*(33)*
Property, plant and equipment and right-of-use assets	**2,899**	2,797	2,239	*4*	*29*
Deferred tax assets	**788**	826	577	*(5)*	*37*
Total assets	**306,127**	216,848	205,854	*41*	*49*
Liabilities					
Cash collateralised borrowing and repurchase agreements	**13,809**	4,542	4,954	*204*	*179*
Trading liabilities	**5,431**	6,134	5,971	*(11)*	*(9)*
Margin money and settlement liabilities	**20,610**	16,251	16,746	*27*	*23*
Derivative liabilities	**77,801**	17,475	16,139	*	*
Deposits	**91,683**	84,140	77,186	*9*	*19*
Held for sale liabilities	**-**	1	39	*(100)*	*(100)*
Other liabilities	**4,106**	4,349	2,425	*(6)*	*69*
Borrowings	**2,214**	2,473	2,256	*(10)*	*(2)*
Due to related body corporate entities	**9,634**	15,901	19,647	*(39)*	*(51)*
Issued debt securities	**57,406**	44,668	40,618	*29*	*41*
Deferred tax liabilities	**49**	36	45	*36*	*9*
Total liabilities excluding loan capital	**282,743**	195,970	186,026	*44*	*52*
Loan capital	**7,345**	6,804	5,985	*8*	*23*
Total liabilities	**290,088**	202,774	192,011	*43*	*51*
Net assets	**16,039**	14,074	13,843	*14*	*16*
Equity					
Contributed equity	**9,041**	8,523	8,501	*6*	*6*
Reserves	**513**	306	424	*68*	*21*
Retained earnings	**6,485**	5,245	4,918	*24*	*32*
Total capital and reserves attributable to the ordinary equity holder of Macquarie Bank Limited	**16,039**	14,074	13,843	*14*	*16*
Total equity	**16,039**	14,074	13,843	*14*	*16*

Statement of Financial Position

The Consolidated Entity's statement of financial position was impacted during the half year ended 30 September 2021 by changes resulting from a combination of business activities, Group Treasury management initiatives and macroeconomic factors including the depreciation of the Australian dollar against major currencies and the elevated levels of volatility and price movements in commodity markets.

Assets

Total assets of $A306.1 billion as at 30 September 2021 increased 41% from $A216.8 billion as at 31 March 2021.

The principal drivers for the increase were as follows:

- derivative assets of $A77.1 billion as at 30 September 2021 increased significantly from $A20.6 billion as at 31 March 2021 primarily due to an increase in CGM in client trade volumes and mark-to-market movements in interest rate and foreign exchange products and, in particular, energy markets and commodities. European gas prices increased significantly during the period due to an increase in global demand alongside low storage and supply levels ahead of the European winter. After taking into account related financial instruments, cash and other collateral, the residual derivative asset is $A12.5 billion (31 March 2021: $A5.1 billion)
- cash and bank balances of $A28.8 billion as at 30 September 2021 increased 80% from $A16.0 billion as at 31 March 2021 primarily due to an increase in surplus cash placed on overnight deposit with the Reserve Bank of Australia (RBA)
- loan assets of $A109.5 billion as at 30 September 2021 increased 11% from $A99.0 billion as at 31 March 2021 primarily due to growth in BFS in its business banking and home loans' portfolios, partially offset by a decrease in the vehicle finance portfolio
- margin money and settlement assets of $A16.1 billion as at 30 September 2021 increased 94% from $A8.3 billion as at 31 March 2021 primarily due to higher trade volumes resulting in an increase in margin placed with financial institutions and broker settlement balances in CGM.

  These increases were partially offset by:

- a decrease in cash collateralised lending and reverse repurchase agreements of 5% from $A34.6 billion as at 31 March 2021 to $A32.8 billion as at 30 September 2021 primarily due to a decrease in client reverse repurchase agreements in CGM and in Group Treasury following higher Operating Group funding requirements.

Liabilities

Total liabilities of $A290.1 billion as at 30 September 2021 increased 43% from $A202.8 billion as at 31 March 2021.

The principal drivers for the increase were as follows:

- derivative liabilities of $A77.8 billion as at 30 September 2021 increased significantly from $A17.5 billion as at 31 March 2021 primarily due to an increase in CGM in client trade volumes and mark-to-market movements in interest rate and foreign exchange products and, in particular, energy markets and commodities. European gas prices increased significantly during the period due to an increase in global demand alongside low storage and supply levels ahead of the European winter. After taking into account related financial instruments, cash and other collateral, the residual derivative liability is $A13.7 billion (31 March 2021: $A3.7 billion)
- issued debt securities of $A57.4 billion as at 30 September 2021 increased 29% from $A44.7 billion as at 31 March 2021 primarily due to the net issuance of short and long-term debt in Group Treasury and net issuance of bondholder notes by securitisation vehicles in BFS
- cash collateralised borrowing and repurchase agreements of $A13.8 billion as at 30 September 2021 increased significantly from $A4.5 billion as at 31 March 2021 primarily due to the additional draw down of the RBA Term Funding Facility by Group Treasury
- deposits of $A91.7 billion as at 30 September 2021 increased 9% from $A84.1 billion as at 31 March 2021 primarily due to an increase in retail and business banking deposits in BFS
- margin money and settlement liabilities of $A20.6 billion as at 30 September 2021 increased 27% from $A16.3 billion as at 31 March 2021 primarily due to higher trade volumes resulting in an increase in broker settlement balances and margin placed by financial institutions with CGM.

Equity

Total equity of $A16.0 billion as at 30 September 2021 increased 14% from $A14.1 billion as at 31 March 2021.

The increase in the Consolidated Entity's equity was attributable to the profit during the current period of $A1.2 billion, issue of ordinary share capital of $A0.5 billion and an increase in the foreign currency translation and net investment hedge reserve of $A0.2 billion following the depreciation of the Australian dollar against major currencies.

4.2 Loan Assets

Reconciliation between the statement of financial position and the funded balance sheet:

	AS AT			MOVEMENT	
	Sep 21[1]	Mar 21[1]	Sep 20[1]	*Mar 21*	*Sep 20*
	$Ab	$Ab	$Ab	*%*	*%*
Loan assets per the statement of financial position	**109.5**	99.0	87.7	*11*	*25*
Operating lease assets	**1.9**	1.8	1.8	*6*	*6*
Other reclassifications[2]	**0.7**	0.1	0.4	*	*75*
Less: loans available as security to debt providers	**-**	(0.4)	(0.4)	*(100)*	*(100)*
Total loan assets including operating lease assets per the funded balance sheet[3]	**112.1**	100.5	89.5	*12*	*25*

Loan assets[3] including operating lease assets by Operating Group per the funded balance sheet are shown in further detail below:

		AS AT			MOVEMENT	
		Sep 21[1]	Mar 21[1]	Sep 20[1]	*Mar 21*	*Sep 20*
	Notes	**$Ab**	$Ab	$Ab	*%*	*%*
BFS						
Home loans	1	**76.8**	66.9	57.3	*15*	*34*
Business banking	2	**11.3**	10.5	9.2	*8*	*23*
Vehicle finance	3	**10.7**	11.3	12.3	*(5)*	*(13)*
Total BFS		**98.8**	88.7	78.8	*11*	*25*
CGM						
Loans and finance lease assets		**6.4**	5.6	4.7	*14*	*36*
Operating lease assets		**1.9**	1.8	1.8	*6*	*6*
Asset finance	4	**8.3**	7.4	6.5	*12*	*28*
Resources and commodities	5	**2.3**	2.1	2.0	*10*	*15*
Foreign exchange, interest rate and credit	6	**2.7**	2.3	2.2	*17*	*23*
Total CGM		**13.3**	11.8	10.7	*13*	*24*
Total		**112.1**	100.5	89.5	*12*	*25*

(1) There has been a change in presentation of certain items on the funded balance sheet in the current period. Comparatives have been restated to reflect this change. Refer to Section 5.3 for more details.
(2) Reclassification between loan assets and other funded balance sheet categories.
(3) Total loan assets including operating lease assets per the funded balance sheet includes self-securitised assets.

Explanatory notes concerning asset security of funded loan asset portfolio

1. Home loans
Secured by Australian residential property.

2. Business banking
Loan portfolio secured largely by working capital, business cash flows and real property.

3. Vehicle finance
Secured by Australian motor vehicles.

4. Asset finance
Predominantly secured by underlying financed assets.

5. Resources and commodities
Diversified loan portfolio primarily to the resources sector that are secured by the underlying assets with associated price hedging to mitigate risk.

6. Foreign exchange, interest rate and credit
Diversified lending predominantly consisting of loans which are secured by other loan collateral, assets including rights and receivables and warehoused security from mortgages and auto loans.

4.3 Equity investments

Equity investments are reported in the following categories in the statement of financial position:

- financial investments excluding trading equities; and
- Interests in associates and joint ventures.

Equity investments reconciliation

	AS AT		MOVEMENT
	Sep 21	Mar 21	Mar 21
	$Ab	$Ab	%
Equity investments			
Statement of financial position			
Equity investments at fair value	**0.2**	0.2	-
Interests in associates and joint ventures	**0.3**	0.3	-
Total equity investments per statement of financial position	**0.5**	0.5	-
Total adjusted equity investments	**0.5**	0.5	-

05

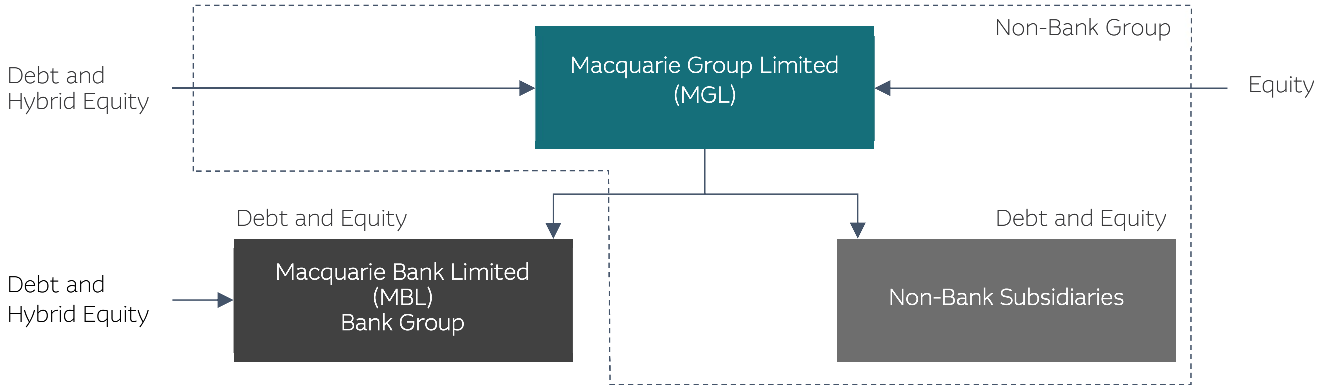
Funding and Liquidity

5.1 Liquidity Risk Governance and Management Framework

Governance and oversight

Macquarie Group's two primary external funding vehicles are Macquarie Group Limited (MGL) and Macquarie Bank Limited (MBL). MGL provides funding predominantly to the Non-Bank Group and limited funding to some MBL subsidiaries. MBL provides funding to the Bank Group.

The high level funding structure of the Group is shown below:



Macquarie Bank's liquidity risk management framework is designed to ensure that it is able to meet its funding requirements as they fall due under a range of market conditions.

Liquidity management is performed centrally by Group Treasury, with oversight from the Asset and Liability Committee (ALCO) and the Risk Management Group (RMG). Macquarie Bank's liquidity policy is approved by the MBL Board after endorsement by the ALCO and liquidity reporting is provided to the Board on a regular basis. The ALCO includes the MGL Chief Executive Officer, MBL Chief Executive Officer, Chief Financial Officer, Chief Risk Officer, Co-Heads of Group Treasury and Operating Group Heads.

RMG provides independent oversight of liquidity risk management, including ownership of liquidity policies and key limits and approval of material liquidity scenario assumptions.

Liquidity policy and risk appetite

The MBL liquidity policy is designed so that the Bank Group maintains sufficient liquidity to meet its obligations as they fall due. In some cases, certain entities within the Bank Group may also be required to have a standalone liquidity policy. In these cases, the principles applied within the entity-specific liquidity policies are consistent with those applied in the broader MBL liquidity policy.

Macquarie Bank establishes a liquidity risk appetite, which is approved by the MBL Board, and represents an articulation of the nature and level of liquidity risk that is acceptable in the context of achieving Macquarie Bank's strategic objectives.

Macquarie Bank's liquidity risk appetite is intended to ensure that Macquarie Bank is able to meet all of its liquidity obligations during a period of liquidity stress: a twelve month period with constrained access to funding markets and with only a limited reduction in Macquarie Bank's franchise businesses.

MBL is an authorised deposit-taking institution (ADI) and is funded mainly with capital, long-term liabilities and deposits.

Liquidity risk tolerance and principles

Macquarie Bank's liquidity risk appetite is supported by a number of risk tolerances and principles applied to managing liquidity risk.

Risk tolerances

- Term assets must be funded by term liabilities and short-term assets must exceed short-term wholesale liabilities
- Cash and liquid assets must be sufficient to cover the expected outflow under a twelve-month stress scenario and meet minimum regulatory requirements
- Cash and liquid assets held to cover stress scenarios and regulatory minimums must be high quality unencumbered liquid assets and cash
- Diversity and stability of funding sources is a key priority
- Balance sheet currency mismatches are managed within set tolerances
- Funding and liquidity exposures between entities within Macquarie Bank are subject to constraints where required.

Liquidity management principles

- Macquarie Bank has a centralised approach to liquidity management
- Liquidity risk is managed through stress scenario analysis and setting limits on the composition and maturity of assets and liabilities
- A global liquidity framework is maintained that outlines Macquarie Bank's approach to managing funding and liquidity requirements in offshore subsidiaries and branches
- The liquidity position is managed to ensure all obligations can be met as required on an intraday basis
- A liquidity contingency plan is maintained that provides an action plan in the event of a liquidity 'crisis'
- A funding strategy is prepared annually and monitored on a regular basis
- Internal pricing allocates liquidity costs, benefits and risks to areas responsible for generating them
- Strong relationships are maintained to assist with managing confidence and liquidity
- The MGL Board, MBL Board and Senior Management receive regular reporting on Macquarie Bank's liquidity position, including compliance with liquidity policy and regulatory requirements.

Liquidity contingency plan

Group Treasury maintains a liquidity contingency plan, which outlines how a liquidity crisis would be managed. The plan defines roles and responsibilities and actions to be taken in a liquidity event, including identifying key information requirements and appropriate communication plans with both internal and external parties.

Specifically, the plan details factors that may constitute a crisis, the officers responsible for enacting the plan, a committee of senior executives responsible for managing a crisis, the information required to effectively manage a crisis, a communications strategy, a high level checklist of possible actions to conserve or raise additional liquidity and contact lists to facilitate prompt communication with all key internal and external stakeholders. The plan also incorporates a retail run operational plan (RROP) that outlines the bank's processes and operational plans for managing a significant increase in customer withdrawals during a potential deposit 'run' on Macquarie Bank.

In addition, Macquarie Bank monitors a range of early warning indicators on a daily basis that might assist in identifying emerging risks in Macquarie Bank's liquidity position. These indicators are reviewed by Senior Management and are used to inform any decisions regarding invoking the plan.

The liquidity contingency plan is subject to regular review by both Group Treasury and RMG. It is submitted annually to the ALCO and the MGL and MBL Boards for approval.

Macquarie Bank is a global financial institution, with branches and subsidiaries in a variety of countries. Regulations in certain countries may require some branches or subsidiaries to have specific local contingency plans. Where that is the case, the liquidity contingency plan contains either a supplement or a reference to a separate document, providing the specific information required for those branches or subsidiaries.

Funding strategy

Macquarie Bank prepares a funding strategy on an annual basis and monitors progress against the strategy throughout the year. The funding strategy aims to maintain Macquarie Bank's diversity of funding sources, ensure ongoing compliance with all liquidity requirements and facilitate forecast asset growth. The funding strategy is reviewed by the ALCO and approved by the MBL Board.

5.2 Management of liquidity risk

Scenario analysis

Scenario analysis is central to Macquarie Bank's liquidity risk management framework. In addition to regulatory defined scenarios, Group Treasury models additional liquidity scenarios covering both market-wide and Macquarie Bank name-specific crises. Scenario analysis performs a range of functions within the liquidity risk management framework, including being a basis for:

- monitoring compliance with internal liquidity risk appetite statements by ensuring all repayment obligations can be met in the corresponding scenarios
- determining a minimum level of cash and liquid assets
- determining an appropriate minimum tenor of funding for Macquarie Bank's assets; and
- determining the overall capacity for future asset growth.

These scenarios use a range of assumptions, which Macquarie Bank intends to be conservative, regarding the level of access to capital markets, deposit outflows, contingent funding requirements and asset sales.

As an example, one internal scenario projects the expected cash and liquid asset position during a combined market-wide and Macquarie Bank name-specific crisis over a twelve month timeframe. This scenario assumes no access to wholesale funding markets, a significant loss of customer deposits and contingent funding outflows resulting from undrawn commitments, market moves impacting derivatives and other margined positions combined with a multiple notch credit rating downgrade. Macquarie Bank's cash and liquid asset portfolio must exceed the minimum requirement as calculated in this scenario at all times.

Liquid asset holdings

Group Treasury centrally maintains a portfolio of highly liquid unencumbered assets which are intended to ensure adequate liquidity is available under a range of market conditions. The minimum level of cash and liquid assets is calculated with reference to internal scenario projections and regulatory requirements.

The cash and liquid asset portfolio contains only unencumbered assets that can be relied on to maintain their liquidity in a crisis scenario. Specifically, cash and liquid assets held to meet minimum internal and regulatory requirements must be held in cash (including central bank reserves and overnight lending to financial institutions), qualifying High Quality Liquid Assets (HQLA) or be eligible as collateral in the Reserve Bank of Australia's (RBA) facilities such as the Committed Liquidity Facility (CLF) – so called 'Alternative Liquid Assets' (ALA). Composition constraints are also applied to ensure appropriate diversity and quality of the assets in the portfolio.

The cash and liquid asset portfolio is held in a range of currencies consistent with the distribution of liquidity needs by currency, allowing for an acceptable level of currency mismatches. Certain other Operating Segments also hold cash and liquid assets as part of their operations. The Bank Group had $A46.6 billion cash and liquid assets as at 30 September 2021 (31 March 2021: $A38.3 billion(1)).

Funds transfer pricing

An internal funds transfer pricing framework is in place that has been designed to produce appropriate incentives for business decision-making by reflecting the funding costs arising from business actions and the separate funding task and liquidity requirement of the Bank Group. Under this framework, each business is allocated the full cost of the funding required to support its products and business lines, recognising the actual and contingent funding-related exposures their activities create. Businesses that raise funding are compensated at a level that is appropriate for the liquidity benefit provided by the funding.

(1) There has been a change in presentation of certain items on the funded balance sheet in the current period. Comparatives have been restated to reflect this change. Refer to Section 5.3 for more details.

Credit ratings[1] as at 30 September 2021

	MACQUARIE BANK LIMITED	
	Short term rating	Long-term rating
Moody's Investors Service	P-1	A2/Stable
Standard and Poor's	A-1	A+/Stable
Fitch Ratings	F-1	A/Stable

Regulatory liquidity metrics

The Australian Prudential Regulation Authority's (APRA) liquidity standard (APS 210) details the local implementation of the Basel III liquidity framework for Australian banks. In addition to a range of qualitative requirements, the standard incorporates the Liquidity Coverage Ratio (LCR) and the Net Stable Funding Ratio (NSFR). The LCR and NSFR apply specifically to Macquarie Bank as the regulated ADI in Macquarie Group. Separate quantitative requirements are imposed internally by the ALCO and the Board.

Liquidity coverage ratio

The LCR requires unencumbered liquid assets be held to cover expected net cash outflows under a combined 'idiosyncratic' and market-wide stress scenario lasting 30 calendar days. Under APS 210, liquid assets include cash, balances held with central banks, Australian dollar Commonwealth Government and semi-government securities, any CLF allocation as well as foreign currency HQLA securities.

Macquarie Bank's three month average LCR to 30 September 2021 was 179% (average based on daily observations)[2]. For a detailed breakdown of Macquarie Bank's LCR, please refer to Macquarie Bank's regulatory disclosures (available on Macquarie's website).

As previously foreshadowed, APRA wrote to all LCR ADIs on 10 September 2021 advising that no ADI should rely on the CLF to meet their minimum 100% LCR requirements from the beginning of 2022 and that ADIs should reduce their usage of the CLF to zero by the end of 2022, subject to financial market conditions.

Net stable funding ratio

The NSFR is a twelve month structural funding metric, requiring that available stable funding be sufficient to cover required stable funding, where stable funding has an actual or assumed maturity of greater than twelve months. Macquarie Bank's NSFR as at 30 September 2021 was 122%[3]. For a detailed breakdown of Macquarie Bank's NSFR, please refer to Macquarie Bank's regulatory disclosures (available on Macquarie's website).

(1) A security rating is not a recommendation to buy, sell or hold securities and may be subject to suspension, reduction or withdrawal at any time by an assigning rating agency and any rating should be evaluated independently of any other information.
(2) APRA has imposed a 15% add-on to the net cash outflow component of Macquarie Bank's LCR calculation, effective from 1 April 2021.
(3) APRA has imposed a 1% decrease to the available stable funding component of Macquarie Bank's NSFR calculation, effective from 1 April 2021.

5.3 Funded Balance Sheet

The Bank Group's statement of financial position is prepared based on Australian Accounting Standards. The funded balance sheet is a simple representation of Macquarie Bank's funding requirements once accounting related gross-ups and self-funded assets have been netted down from the statement of financial position. The funded balance sheet is not a liquidity risk management tool, as it does not consider the granular liquidity profiling of all on and off-balance sheet components considered in both Macquarie Bank's internal liquidity framework and the regulatory liquidity metrics.

Given the substantial growth in Macquarie Bank's home loan portfolio in recent years, the funded balance sheet has been revised to present home loans as its own loan asset category. As a result, external securitisations of home loans (and other relevant assets) which are a source of funding for such assets are no longer netted down on the funded balance sheet. In addition, Australian home loans and other qualifying assets originated by Macquarie Bank that meet the repurchase agreement eligibility criteria are only presented as self-securitised assets if they are held as contingent collateral for RBA facilities (such as the CLF) or to meet proposed APRA minimum requirements. The remaining portion of self-securitised assets are now presented in the relevant Home loan and Other loan asset categories.

The table below reconciles the reported assets of the Bank Group to the net funded assets as at 30 September 2021.

		AS AT	
		Sep 21[1]	Mar 21[1]
	Notes	$Ab	$Ab
Total assets per the Bank Group's statement of financial position		**306.1**	216.8
Accounting deductions:			
Derivative revaluation accounting gross-ups	1	**(77.8)**	(17.2)
Segregated funds	2	**(8.3)**	(7.4)
Outstanding trade settlement balances	3	**(2.6)**	(1.9)
Working capital assets	4	**(5.9)**	(5.2)
Intercompany gross-ups	5	**(9.6)**	(15.9)
Self-funded assets:			
Self-funded trading assets	6	**(16.6)**	(15.4)
Non-recourse and security backed funding	7	**-**	(0.4)
Net funded assets		**185.3**	153.4

(1) There has been a change in presentation of certain items on the funded balance sheet in the current period. Comparatives have been restated to reflect this change.

Explanatory notes concerning net funded assets

1. Derivative revaluation accounting gross-ups

The Bank Group's derivative activities are mostly client driven with client positions hedged by offsetting positions with a variety of counterparties. The derivatives are largely matched and this adjustment reflects that the matched positions do not require funding. The associated margins paid and received are included as part of self-funded trading assets.

2. Segregated funds

These represent the assets and liabilities that are recognised where the Bank Group holds segregated client monies. The client monies will be matched by assets held to the same amount. Any excess client funds placed with the Bank Group are netted down against cash and liquid assets.

3. Outstanding trade settlement balances

At any particular time the Bank Group will have outstanding trades to be settled as part of its brokering business and trading activities. These amounts (payables) can be offset in terms of funding by amounts that the Bank Group is owed on other trades (receivables).

4. Working capital assets

As with the outstanding trade settlement balances above, the Bank Group through its day-to-day operations generates working capital assets (e.g. receivables and prepayments) and working capital liabilities (e.g. creditors and accruals) that produce a 'net balance' that either requires or provides funding.

5. Intercompany gross-ups

These represent balances related to the net payable position between the Bank Group and Non-Bank Group arising out of intragroup transactions, loans and deposits. This includes the Non-Bank Group deposit with MBL shown in the Bank Group funded balance sheet.

6. Self-funded trading assets

The Bank Group enters into stock borrowing and lending as well as repurchase agreements and reverse repurchase agreements in the normal course of trading activity that it conducts with its clients and counterparties, as well as for liquidity management purposes. Also as part of its trading activities, the Bank Group pays and receives margin collateral on its outstanding derivative positions. These trading and liquidity management related asset and liability positions are viewed as being self-funded to the extent that they offset one another and, therefore, are netted as part of this adjustment.

7. Non-recourse and security backed funding

These include assets funded by third party debt with no recourse to the Bank Group beyond the borrowing entity.

5.4 Funding Profile

Funded balance sheet

		AS AT	
		Sep 21[1]	Mar 21[1]
	Notes	**$Ab**	$Ab
Funding sources			
Wholesale issued paper:	1		
Certificates of deposit		**0.4**	0.4
Commercial paper		**24.3**	12.9
Net trade creditors	2	**0.7**	1.3
Structured notes	3	**0.5**	0.5
Secured funding	4	**24.8**	13.4
Bonds	5	**18.5**	19.0
Other loans	6	**1.2**	1.0
Customer deposits	7	**91.5**	84.0
Subordinated debt	8	**5.0**	5.1
Equity and hybrids	9	**18.4**	15.8
Total		**185.3**	153.4
Funded assets			
Cash and liquid assets	10	**46.6**	38.3
Self-securitisation	11	**15.5**	19.9
Net trading assets	12	**30.4**	24.4
Other loan assets including operating lease assets less than one year	13	**11.2**	10.9
Home loans	14	**61.3**	47.0
Other loan assets including operating lease assets greater than one year	13	**24.1**	22.7
Debt investments	15	**1.3**	1.3
Non-Bank Group deposit with MBL		**(6.4)**	(12.4)
Co-investment in Macquarie-managed funds and other equity investments	16	**0.5**	0.5
Property, plant and equipment and intangibles		**0.8**	0.8
Total		**185.3**	153.4

See Section 5.5 for notes 1–16.

(1) There has been a change in presentation of certain items on the funded balance sheet in the current period. Comparatives have been restated to reflect this change. Refer to Section 5.3 for more details.

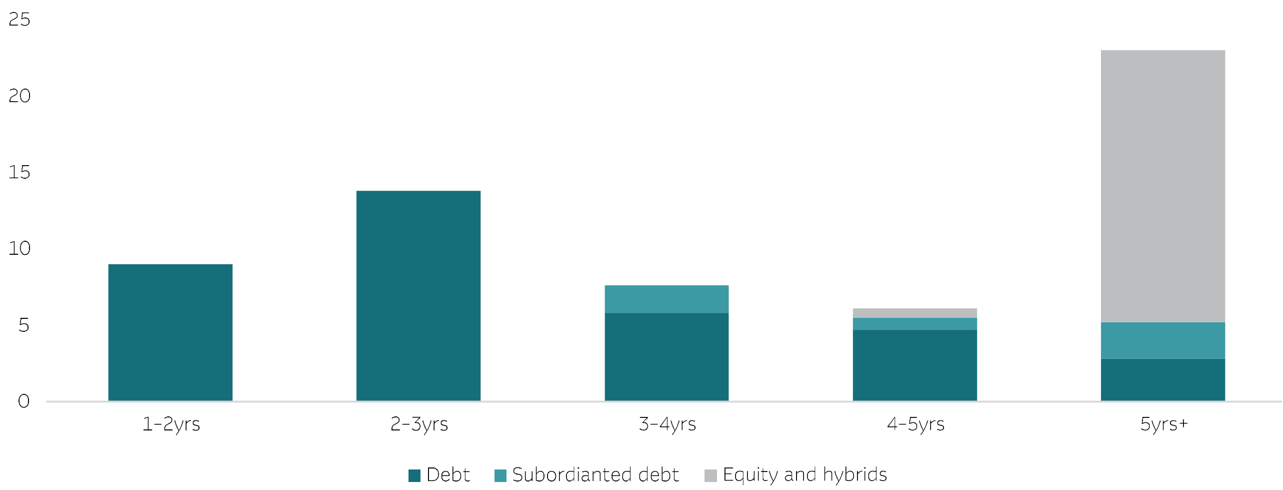
5.4 Funding Profile

Continued

Term funding profile

Detail of drawn funding maturing beyond one year

$A billion



	AS AT SEP 21[1]					
	1–2yrs $Ab	2–3yrs $Ab	3–4yrs $Ab	4–5yrs $Ab	5yrs+ $Ab	Total $Ab
Structured notes[2]	0.1	-	-	0.1	0.3	**0.5**
Secured funding[2],[3]	4.7	12.1	1.3	1.1	2.0	**21.2**
Bonds	4.0	1.7	4.5	3.5	0.5	**14.2**
Other loans	0.2	-	-	-	-	**0.2**
Total debt	**9.0**	**13.8**	**5.8**	**4.7**	**2.8**	**36.1**
Subordinated debt[4]	-	-	1.8	0.8	2.4	**5.0**
Equity and hybrids[4]	-	-	-	0.6	17.8	**18.4**
Total funding sources drawn	**9.0**	**13.8**	**7.6**	**6.1**	**23.0**	**59.5**
Undrawn	1.2	-	-	-	-	**1.2**
Total funding sources drawn and undrawn	**10.2**	**13.8**	**7.6**	**6.1**	**23.0**	**60.7**

Macquarie Bank has diversity of funding across a range of tenors, currencies and products. The weighted average term to maturity of term funding maturing beyond one year (excluding RBA Term Funding Facility (TFF), equity and securitisations) was 4.2 years and the weighted average term to maturity of term funding maturing beyond one year including RBA TFF (excluding equity and securitisations) was 3.7 years as at 30 September 2021.

As at 30 September 2021, customer deposits represented $A91.5 billion, or 49% of the Bank Group's total funding, short-term (maturing in less than 12 months) wholesale issued paper represented $A24.7 billion, or 13% of total funding, and other debt funding maturing within 12 months and net trade creditors represented $A9.6 billion, or 5% of total funding.

(1) There has been a change in presentation of certain items on the funded balance sheet in the current period. Refer to Section 5.3 for more details.
(2) Structured notes and securitisations are profiled using a behavioural maturity profile.
(3) Includes RBA TFF of $A11.3 billion.
(4) Included in this balance are securities with conditional repayment obligations. These securities are disclosed using the earlier repricing dates instead of contractual maturity.

Term funding initiatives

The Bank Group has a liability driven approach to balance sheet management, where funding is raised prior to assets being taken on to the balance sheet. Since 1 April 2021, the Bank Group has continued to raise term wholesale funding across various products and currencies.

Details of term funding raised between 1 April 2021 and 30 September 2021:

		Bank Group $Ab
Issued paper	– Senior and subordinated	1.8
Secured funding	– Term securitisation and other secured finance	6.0
	– RBA Term Funding Facility[1]	9.5
Hybrids	– Hybrid instruments	0.7
Total		**18.0**

The Bank Group has continued to develop its major funding markets and products during the half year ended 30 September 2021.

From 1 April 2021 to 30 September 2021, the Bank Group raised $A18.0 billion[2] of term funding including:

- $A9.5 billion draw down of the RBA Term Funding Facility[1]
- $A3.8 billion of PUMA RMBS securitisation issuance
- $A2.2 billion refinance of secured trade finance facilities
- $A1.8 billion of term wholesale issued paper comprising of $A1.0 billion of senior unsecured debt and $A0.8 billion of subordinated unsecured debt; and
- $A0.7 billion of BCN3 Hybrid instrument issuance.

(1) $A9.5 billion of Supplementary and Additional Allowance drawn in June 2021. $A1.7 billion of Initial Allowance was drawn in September 2020.

(2) Issuances cover a range of tenors, currencies and product types and are Australian dollar equivalent based on FX rates at the time of issuance. Includes refinancing of loan facilities.

5.4 Funding Profile

Continued

The key tools used for raising debt funding for MBL, which primarily funds the Bank Group, are as follows[1]:

- $US25 billion Regulation S Debt Instrument Program, including Euro Commercial Paper, Euro Certificate of Deposit, Euro Medium-Term Notes, senior notes, and Transferable Deposits. The Debt Instrument Program had $US8.6 billion debt securities outstanding as at 30 September 2021
- $US25 billion Commercial Paper Program under which $US17.1 billion of debt securities were outstanding as at 30 September 2021
- $US20 billion US Rule 144A/Regulation S Medium-Term Note Program, including senior and subordinated notes, under which $US7.8 billion of debt securities were outstanding as at 30 September 2021
- $US5 billion Structured Note Program under which $US0.4 billion of structured notes were outstanding as at 30 September 2021
- $A5 billion Covered Bond Programme under which no debt securities were outstanding as at 30 September 2021
- $US1.7 billion Secured Trade Finance Facility[2] of which $US0.7 billion was drawn as at 30 September 2021
- $A1.5 billion of other subordinated unsecured debt outstanding as at 30 September 2021
- $A12.2 billion of external PUMA RMBS and SMART ABS securitisation was outstanding as at 30 September 2021; and
- $A11.3 billion[3] of RBA Term Funding Facility outstanding as at 30 September 2021.

Macquarie Bank accesses the Australian capital markets through the issuance of Negotiable Certificates of Deposit. As at 30 September 2021, Macquarie Bank had $A0.4 billion of these securities outstanding.

Macquarie Bank, as an ADI, has access to liquidity from the RBA daily market operations.

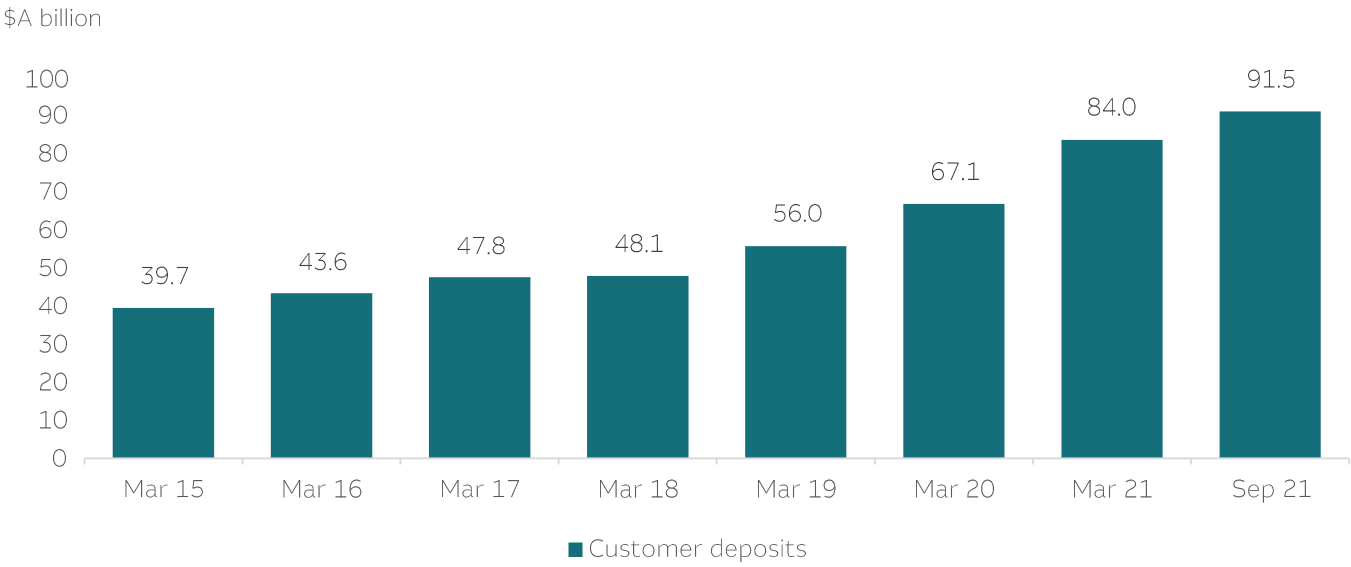
Deposit strategy

MBL continues to pursue a deposit strategy that is consistent with the core liquidity management strategy of achieving diversity and stability of funding sources. The strategy is focused on growing the BFS deposit base, which represents a stable and reliable source of funding and reduces Macquarie's reliance on wholesale funding markets.

In particular, MBL is focused on the quality and composition of the deposit base, targeting transactional and relationship-based deposits. MBL is covered by the Financial Claims Scheme (FCS), an Australian Government scheme that provides protection to depositors up to a limit of $A250,000 per account holder per ADI.

The chart below illustrates the customer deposit growth since 31 March 2015.

Deposit trend



(1) Funding outstanding excludes capitalised costs.
(2) $US1.7 billion Secured Trade Finance Facility can be at either the MBL or MGL level but is currently drawn out of MBL.
(3) Total of $A11.26 billion of RBA TFF outstanding as at 30 September 2021, comprising of $A1.72 billion of Initial Allowance, and $A9.53 billion of Additional and Supplementary Allowances.

5.5 Explanatory Notes Concerning Funding Sources and Funded Assets

1. Wholesale issued paper

Unsecured short-term wholesale funding comprised of both Certificates of Deposit and Commercial Paper.

2. Net trade creditors

Short-term working capital balances (debtors and creditors) are created through the Bank Group's day-to-day operations. A net funding use (or source) will result due to timing differences in cash flows.

3. Structured notes

Includes debt instruments on which the return is linked to a number of variables including interest rates, currencies, equities and credit. They are generally issued as part of structured transactions with clients and are hedged with positions in underlying assets or derivative instruments.

4. Secured funding

Certain funding arrangements secured against an asset (or pool of assets).

5. Bonds

Unsecured long-term wholesale funding.

6. Other loans

Unsecured loans provided by financial institutions and other counterparties.

7. Customer deposits

Unsecured funding from BFS, corporate and wholesale depositors. The Australian Government Financial Claims Scheme covers eligible deposits in Macquarie Bank.

8. Subordinated debt

Long-term subordinated debt.

9. Equity and hybrids

Equity balances are comprised of issued capital, retained earnings and reserves. Hybrid instruments as at 30 September 2021 include MACS, BCN 2 and 3.

10. Cash and liquid assets

Cash and liquid assets are held as cash balances (including central bank reserves and overnight lending to financial institutions), qualifying High Quality Liquid Assets (HQLA) or as assets eligible as collateral in the RBA's facilities such as the Committed Liquidity Facility (CLF) – so called 'Alternative Liquid Assets' (ALA).

11. Self-securitisation

This represents Australian assets which have been internally securitised by Macquarie Bank and held as contingent collateral for RBA facilities (such as the CLF) or to meet proposed APRA minimum requirements.

12. Net trading assets

The net trading asset balance consists of financial markets, commodities and equity trading assets including the net derivative position, any trading-related receivables or payables and margin or collateral balances.

13. Other loan assets including operating lease assets

This represents loans provided to retail and wholesale borrowers, as well as assets held under operating leases. Excludes home loans.

See section 4.2 for further information.

14. Home loans

Secured by Australian residential property.

15. Debt investments

These can include various categories of debt securities including asset backed securities, bonds, commercial mortgage backed securities and residential mortgage backed securities.

16. Co-investment in Macquarie-managed funds and other equity investments

These include equity investments at fair value, interests in associates and joint ventures and other equity investments.

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06

Capital

6.1 Overview

As an Australian Prudential Regulation Authority (APRA) authorised and regulated Non-Operating Holding Company, MGL is required to hold adequate regulatory capital to cover the risks for Macquarie, including the Non-Bank Group. MGL and APRA have agreed a capital adequacy framework for Macquarie, based on APRA's capital standards for ADIs and Macquarie's Board-approved Economic Capital Adequacy Model (ECAM).

Macquarie's capital adequacy framework requires it to maintain minimum regulatory capital requirements calculated as the sum of:

- the Bank Group's minimum Tier 1 capital requirement, based on a percentage of risk-weighted assets plus Tier 1 deductions using prevailing APRA ADI Prudential Standards; and
- the Non-Bank Group's capital requirement, calculated using Macquarie's ECAM.

Transactions internal to Macquarie are eliminated.

Eligible regulatory capital of Macquarie consists of ordinary share capital, retained earnings and certain reserves plus eligible hybrid instruments. Eligible hybrid instruments as at 30 September 2021 include the Macquarie Additional Capital Securities (MACS), Macquarie Bank Capital Notes 2 (BCN2), Macquarie Bank Capital Notes 3 (BCN3), Macquarie Group Capital Notes 3 (MCN3), Macquarie Group Capital Notes 4 (MCN4) and Macquarie Group Capital Notes 5 (MCN5).

Capital disclosures in this section include Harmonised Basel III[(1)] and APRA Basel III[(2)]. The former is relevant for comparison with banks regulated by regulators other than APRA, whereas the latter reflects Macquarie's regulatory requirements under APRA Basel III rules.

On 1 April 2021, APRA announced actions required regarding MBL's risk management practices and ability to calculate and report key prudential ratios. APRA increased MBL's operational risk capital requirement and made adjustments to requirements for certain liquidity prudential ratios, effective from 1 April 2021. The actions relate to specific intra-group funding arrangements as well as breaches of APRA's reporting standards on liquidity between 2018 and 2020. APRA noted that the breaches are historical and do not impact the current overall soundness of Macquarie Group's capital and liquidity positions. On 22 October 2021, Macquarie published restated historical MBL Pillar 3 disclosures for the period March 2018 to June 2021.

Macquarie has ongoing programs which focus on strengthening MBL's processes and controls, including those around intra-group funding arrangements and internal exposures; capital and liquidity reporting; risk management frameworks; and accountabilities and governance. A number of these programs also form part of a remediation plan as required by APRA, which has been established to define and deliver programs of work that strengthen MBL's governance, risk culture, structure, and incentives to ensure full and ongoing compliance with prudential standards.

Pillar 3

The APRA ADI Prudential Standard APS 330 Capital Adequacy: Public Disclosure of Prudential Information (Pillar 3) details the market disclosure requirements for Australian domiciled banks. APS 330 requires qualitative and quantitative disclosure of risk management practices and capital adequacy. Pillar 3 documents are available on Macquarie's website.

(1) Harmonised Basel III relates to the Basel III guidelines defined by the Basel Committee on Banking Supervision, documented in the following: 'Basel III: a global regulatory framework for more resilient banks and banking systems', published December 2010 (revised June 2011) by the Bank for International Settlements (BIS) and further updated by BCBS 279 'The standardised approach for measuring counterparty credit risk exposures'.

(2) APRA Basel III relates to the ADI Prudential Standards released by APRA for the period effective from 1 January 2013.

6.2 Bank Group Capital

The Bank Group is accredited by APRA under the Basel Foundation Internal Ratings Based approach (FIRB) for credit risk, the Advanced Measurement Approach (AMA) for operational risk, the internal model approach for market risk and the internal model approach for interest rate risk in the banking book (IRRBB).

These advanced approaches place a higher reliance on a bank's internal capital measures and therefore require a more sophisticated level of risk management and risk measurement practices.

Common Equity Tier 1 capital

The Bank Group's Common Equity Tier 1 capital under Basel III consists of ordinary share capital, retained earnings and certain reserves.

Tier 1 capital

Tier 1 capital consists of Common Equity Tier 1 capital and Additional Tier 1 capital (hybrids). Additional Tier 1 capital as at 30 September 2021 consists of MACS, BCN2 and BCN3. MBL periodically pays dividends to MGL and is recapitalised by MGL as required to support projected business growth.

MACS were issued by MBL, acting through its London Branch in March 2017. MACS are subordinated, unsecured notes that pay discretionary, non-cumulative, semi-annual fixed rate cash distributions. Subject to certain conditions the MACS may be redeemed on 8 March 2027, or every fifth anniversary thereafter. MACS can be exchanged for a variable number of fully paid MGL ordinary shares on an acquisition event (where a person acquires control of MBL or MGL), where MBL's Common Equity Tier 1 capital ratio falls below 5.125%, or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).

BCN2 were issued by MBL in June 2020 and are quoted on the Australian Securities Exchange. The BCN2 pay discretionary, quarterly floating rate cash distributions equal to three month BBSW plus 4.70% per annum margin, adjusted for franking credits. These instruments are non-cumulative and unsecured and may be redeemed at face value on 21 December 2025, 21 June 2026 or 21 December 2026 (subject to certain conditions being satisfied) or earlier in specified circumstances. The BCN2 can be converted into a variable number of MGL ordinary shares (subject to certain conditions being satisfied) on these redemption dates; mandatorily exchanged on 21 December 2028; exchanged earlier upon an acquisition event (with the acquirer gaining control of MGL or MBL); or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).

BCN3 were issued by MBL in August 2021 and are quoted on the Australian Securities Exchange. The BCN3 pay discretionary, quarterly floating rate cash distributions equal to three-month BBSW plus 2.90% per annum margin, adjusted for franking credits. These instruments are non-cumulative and unsecured and may be redeemed at face value on 7 September 2028, 7 March 2029, or 7 September 2029 (subject to certain conditions being satisfied) or earlier in specified circumstances. The BCN3 can be converted into a variable number of MGL ordinary shares (subject to certain conditions being satisfied) on these redemption dates; mandatorily exchanged on 8 September 2031; exchanged earlier upon an acquisition event (with the acquirer gaining control of MGL or MBL); or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).

Bank Group Basel III Tier 1 Capital

	AS AT SEP 21		AS AT MAR 21		MOVEMENT	
	Harmonised Basel III	APRA Basel III	Harmonised Basel III	APRA Basel III	*Harmonised Basel III*	*APRA Basel III*
	$Am	$Am	$Am	$Am	*%*	*%*
Common Equity Tier 1 capital						
Paid-up ordinary share capital	**9,040**	**9,040**	8,521	8,521	*6*	*6*
Retained earnings	**6,513**	**6,513**	5,253	5,253	*24*	*24*
Reserves	**515**	**515**	305	305	*69*	*69*
Gross Common Equity Tier 1 capital	**16,068**	**16,068**	14,079	14,079	*14*	*14*
Regulatory adjustments to Common Equity Tier 1 capital:						
Goodwill	**41**	**41**	39	39	*5*	*5*
Deferred tax assets	**31**	**748**	32	793	*(3)*	*(6)*
Net other fair value adjustments	**(84)**	**(84)**	(110)	(110)	*(24)*	*(24)*
Intangible component of investments in subsidiaries and other entities	**34**	**34**	35	35	*(3)*	*(3)*
Loan and lease origination fees and commissions paid to mortgage originators and brokers	**-**	**534**	-	497	-	*7*
Shortfall in provisions for credit losses	**89**	**141**	17	63	*	*124*
Equity exposures	**-**	**859**	-	695	-	*24*
Capitalised software	**51**	**51**	55	55	*(7)*	*(7)*
Other Common Equity Tier 1 capital deductions	**96**	**156**	122	172	*(21)*	*(9)*
Total Common Equity Tier 1 capital deductions	**258**	**2,480**	190	2,239	*36*	*11*
Net Common Equity Tier 1 capital	**15,810**	**13,588**	13,889	11,840	*14*	*15*
Additional Tier 1 Capital						
Additional Tier 1 capital instruments	**2,333**	**2,333**	1,628	1,628	*43*	*43*
Gross Additional Tier 1 capital	**2,333**	**2,333**	1,628	1,628	*43*	*43*
Deduction from Additional Tier 1 capital	**-**	**-**	-	-	-	-
Net Additional Tier 1 capital	**2,333**	**2,333**	1,628	1,628	*43*	*43*
Total Net Tier 1 capital	**18,143**	**15,921**	15,517	13,468	*17*	*18*

6.2 Bank Group Capital

Continued

Bank Group Basel III Risk-Weighted Assets (RWA)

	AS AT SEP 21		AS AT MAR 21		*MOVEMENT*	
	Harmonised Basel III	**APRA Basel III**	Harmonised Basel III	APRA Basel III	*Harmonised Basel III*	*APRA Basel III*
	$Am	**$Am**	$Am	$Am	*%*	*%*
Credit risk						
Subject to IRB approach:						
Corporate	**35,880**	**35,880**	25,444	25,444	*41*	*41*
SME Corporate	**4,506**	**4,506**	4,629	4,629	*(3)*	*(3)*
Sovereign	**2,517**	**2,517**	1,199	1,199	*110*	*110*
Bank	**1,762**	**1,762**	1,423	1,423	*24*	*24*
Residential mortgage	**9,635**	**23,436**	8,907	21,461	*8*	*9*
Other retail	**3,168**	**3,168**	3,501	3,501	*(10)*	*(10)*
Retail SME	**2,829**	**2,832**	2,940	2,952	*(4)*	*(4)*
Total RWA subject to IRB approach	**60,297**	**74,101**	48,043	60,609	*26*	*22*
Specialised lending exposures subject to slotting criteria[1]	**8,628**	**8,628**	6,847	6,847	*26*	*26*
Subject to Standardised approach:						
Corporate	**86**	**86**	92	92	*(7)*	*(7)*
Residential mortgage	**638**	**638**	690	690	*(8)*	*(8)*
Other Retail	**1,200**	**1,200**	1,513	1,513	*(21)*	*(21)*
Total RWA subject to Standardised approach	**1,924**	**1,924**	2,295	2,295	*(16)*	*(16)*
Credit risk RWA for securitisation exposures	**877**	**877**	759	759	*16*	*16*
Credit Valuation Adjustment RWA	**7,778**	**7,778**	3,931	3,931	*98*	*98*
Exposures to Central Counterparties RWA	**522**	**522**	736	736	*(29)*	*(29)*
RWA for Other Assets	**5,013**	**2,626**	4,811	2,412	*4*	*9*
Total Credit risk RWA	**85,039**	**96,456**	67,422	77,589	*26*	*24*
Equity risk exposures RWA	**2,892**	**-**	2,229	-	*30*	-
Market risk RWA	**8,607**	**8,607**	5,660	5,660	*52*	*52*
Operational risk RWA	**10,366**	**10,366**	10,337	10,337	*<1*	*<1*
Interest rate risk in banking book RWA	**-**	**454**	-	414	-	*10*
Total Bank Group RWA	**106,904**	**115,883**	85,648	94,000	*25*	*23*
Capital ratios						
Bank Group Level 2 Common Equity Tier 1 capital ratio (%)	**14.8**	**11.7**	16.2	12.6		
Bank Group Level 2 Tier 1 capital ratio (%)	**17.0**	**13.7**	18.1	14.3		

(1) Specialised lending exposures subject to supervisory slotting criteria are measured using APRA determined risk weighting.

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07

Glossary

7.1 Glossary

Defined term	Definition
1H21	The six months ended 30 September 2020.
2H21	The six months ended 31 March 2021.
1H22	The six months ended 30 September 2021.
A	
AASB	Australian Accounting Standards Board.
ABS	Asset Backed Securities.
ADI	Authorised Deposit-taking Institution.
Additional Tier 1 Capital	A capital measure defined by APRA comprising high quality components of capital that satisfy the following essential characteristics: • provide a permanent and unrestricted commitment of funds; • are freely available to absorb losses; • rank behind the claims of depositors and other more senior creditors in the event of winding up of the issuer; and • provide for fully discretionary capital distributions.
Additional Tier 1 Deductions	An amount deducted in determining Additional Tier 1 Capital, as defined in Prudential Standard APS 111 *Capital Adequacy: Measurement of Capital*.
ALCO	The Asset and Liability Committee.
AMA	Advanced Measurement Approach (for determining operational risk).
ANZ	Australia and New Zealand.
APRA	Australian Prudential Regulation Authority.
Asset Finance	Asset Finance is a global provider of specialist finance and asset management solutions across: Technology, Media and Telecoms; Energy, Renewables and Sustainability; Fund Finance; Resources; Structured Lending; and Shipping and Export Credit Agencies.
Associates	Associates are entities over which Macquarie has significant influence, but not control. Investments in associates may be further classified as Held for Sale ('HFS') associates. HFS associates are those that have a high probability of being sold within 12 months to external parties. Associates that are not held for sale are carried at cost and equity-accounted. Macquarie's share of the investment's post-acquisition profits and losses is recognised in the income statement and its share of post-acquisition movements in reserves is recognised within equity.
B	
Bank Group	MBL and its subsidiaries.
Bank Group Capital	Level 2 regulatory group capital.
Banking Group	The Banking Group includes BFS and certain activities of CGM.
Basel III IRB Formula	A formula to calculate RWA, as defined in Prudential Standard APS 113 Capital Adequacy: *Internal Ratings-based Approach to Credit Risk*.
BCBS	Basel Committee on Banking Supervision.

Defined term	Definition
BCN2	On 2 June 2020, MBL issued 6.4 million Macquarie Bank Capital Notes 2 (BCN2) at a face value of $A100 each. BCN2 are unsecured, subordinated notes that pay discretionary, quarterly floating rate cash distributions and may be redeemed at face value on 21 December 2025, 21 June 2026 or 21 December 2026 (subject to certain conditions being satisfied) or earlier in specified circumstances. BCN2 can be converted into a variable number of MGL ordinary shares (subject to certain conditions) on these redemption dates; mandatorily exchanged on 21 December 2028; exchanged earlier upon an acquisition event (with the acquirer gaining control of MBL or MGL); where MBL's Common Equity Tier 1 capital ratio falls below 5.125%; or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
BCN3	On 27 August 2021, MBL issued 6.5 million Macquarie Bank Capital Notes 3 (BCN3) at a face value of $A100 each. BCN3 are unsecured, subordinated notes that pay discretionary, quarterly floating rate cash distributions and may be redeemed at face value on 7 September 2028, 7 March 2029 or 7 September 2029 (subject to certain conditions being satisfied) or earlier in specified circumstances. BCN3 can be converted into a variable number of MGL ordinary shares (subject to certain conditions) on these redemption dates; mandatorily exchanged on 8 September 2031; exchanged earlier upon an acquisition event (with the acquirer gaining control of MBL or MGL); where MBL's Common Equity Tier 1 capital ratio falls below 5.125%; or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
BBSW	Bank Bill Swap Rate.
BFS	Banking and Financial Services.
BFS deposits	BFS deposits are those placed with Banking and Financial Services and include products such as the Cash Management Account, Term Deposits and Relationship Banking deposits. Counterparties primarily consist of individuals, self-managed super funds and small-medium enterprises.
BIS	Bank for International Settlements.
C	
CCB	Capital Conservation Buffer.
Central Service Groups	The Central Service Groups consist of the Corporate Operations Group, Financial Management Group, Risk Management Group, Legal and Governance and Central Executive.
CGM	Commodities and Global Markets.
CLF	Reserve Bank of Australia Committed Liquidity Facility.
CMA	Cash Management Account.
Common Equity Tier 1 Capital	A capital measure defined by APRA, comprising the highest quality components of capital that fully satisfy all the following essential characteristics: • provide a permanent and unrestricted commitment of funds; • are freely available to absorb losses; • do not impose any unavoidable servicing charge against earnings; and • rank behind the claims of depositors and other creditors in the event of winding up. • Common Equity Tier 1 Capital comprises paid up capital, Retained earnings, and certain reserves.
Common Equity Tier 1 Capital Ratio	Common Equity Tier 1 Capital net of Common Equity Tier 1 deductions expressed as a percentage of RWA.
Common Equity Tier 1 Deductions	An amount deducted in determining Common Equity Tier 1 Capital, as defined in Prudential Standard APS 111 *Capital Adequacy: Measurement of Capital*.
Consolidated Entity	Macquarie Group Limited and its subsidiaries.

7.1 Glossary

Continued

Defined term	Definitions
D	
Directors' Profit Share (DPS)	The DPS plan comprises exposure to a notional portfolio of Macquarie-managed funds. Retained amounts for Executive Directors are notionally invested over the retention period. This investment is described as 'notional' because Executive Directors do not directly hold securities in relation to this investment. However, the value of the retained amounts will vary as if these amounts were directly invested in actual securities, giving the Executive Directors an effective economic exposure to the performance of the securities. If the notional investment results in a notional loss, this loss will be offset against any future notional income until the loss is completely offset.
E	
Earnings on capital and other corporate income items	Net operating income includes the income generated by Macquarie's Operating Groups, income from the investment of Macquarie's capital, and certain items of operating income not attributed to Macquarie's Operating Groups. Earnings on capital and other corporate income items is net operating income less the net operating income generated by Macquarie's Operating Groups.
Earnings per share	A performance measure that measures earnings attributable to each ordinary share, defined in AASB 133 *Earnings Per Share*.
ECAM	Economic Capital Adequacy Model.
ECL	Expected Credit Losses as defined and measured in terms of AASB 9: Financial Instruments.
Effective tax rate	The income tax expense as a percentage of the profit before income tax, both adjusted for amounts attributable to non-controlling interests. The effective tax rate differs from the Australian company tax rate due to permanent differences arising from the income tax treatment of certain income and expenses as well as tax rate differentials on some of the income earned offshore.
Expense/Income ratio	Total operating expenses expressed as a percentage of Net operating income.
F	
Financial Report	The Macquarie Bank Limited Interim Financial Report.
FIRB	Foundation Internal Ratings Based Approach (for determining credit risk).
FY2021	The year ended 31 March 2021.
FY2022	The year ended 31 March 2022.
FVOCI	Fair value through other comprehensive income.
FVTPL	Fair value through profit or loss.
H	
Headcount	Headcount represents Macquarie's active permanent and variable workforce, and includes Macquarie employees (permanent and casual) and its contingent workers (contractors, agency workers and secondees). Macquarie's non-executive directors are not included.
HQLA	High-quality liquid assets.
L	
LGD	Loss given default is defined as the economic loss which arises upon default of the obligor.
M	
Macquarie Bank the Consolidated Entity	Macquarie Bank Limited and its subsidiaries.
Macquarie Group	MGL and its subsidiaries.

Defined term	Definition
Macquarie Income Securities (MIS)	Macquarie Income Securities (MIS) were perpetual, subordinated instruments that had no conversion rights to ordinary shares and discretionary distributions paid quarterly. They are treated as equity in the Statement of financial position. MIS were repaid on 15 April 2020.
MACS	On 8 March 2017, MBL, acting through its London Branch, issued $US750 million of Macquarie Additional Capital Securities (MACS). MACS are subordinated, unsecured notes that pay discretionary, non-cumulative, semi-annual fixed rate cash distributions. Subject to certain conditions the MACS may be redeemed on 8 March 2027, or every 5th anniversary thereafter. MACS can be exchanged for a variable number of MGL ordinary shares on an acquisition event (where a person acquires control of MBL or MGL), where MBL's Common Equity Tier 1 capital ratio falls below 5.125%, or where APRA determines MBL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
MAM	Macquarie Asset Management.
MAMHPL	Macquarie Asset Management Holdings Pty Ltd.
MBL	Macquarie Bank Limited ABN 46 008 583 542.
MCN2	On 18 December 2015, MGL issued 5.3 million Macquarie Group Capital Notes 2 (MCN2) at a face value of $A100 each. MCN2 were subordinated, non-cumulative, unsecured notes that pay discretionary, non-cumulative, semi-annual floating rate cash distributions. MCN2 were redeemed on 17 March 2021.
MCN3	On 7 June 2018, MGL issued 10 million Macquarie Group Capital Notes 3 (MCN3) at a face value of $A100 each. MCN3 are subordinated, non-cumulative, unsecured notes that pay discretionary, non-cumulative, quarterly floating rate cash distributions and may be redeemed at face value on 16 December 2024, 16 June 2025 or 15 December 2025(subject to certain conditions being satisfied) or earlier in specified circumstances. MCN3 can be converted into a variable number of MGL ordinary shares (subject to certain conditions being satisfied) on these redemption dates; mandatorily exchanged on 15 December 2027; exchanged earlier upon an acquisition event (with the acquirer gaining control of MGL); or where APRA determines MGL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
MCN4	On 27 March 2019, MGL issued 9.1 million Macquarie Group Capital Notes 4 (MCN4) at a face value of $A100 each. MCN4 are subordinated, non-cumulative, unsecured notes that pay discretionary, non-cumulative, quarterly floating rate cash distributions and may be redeemed at face value on 10 September 2026, 10 March 2027 or 10 September 2027 (subject to certain conditions being satisfied) or earlier in specified circumstances. MCN4 can be converted into a variable number of MGL ordinary shares (subject to certain conditions being satisfied) on these redemption dates; mandatorily exchanged on 10 September 2029; exchanged earlier upon an acquisition event (with the acquirer gaining control of MGL); or where APRA determines MGL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
MCN5	On 17 March 2021, MGL issued 7.25 million Macquarie Group Capital Notes 5 (MCN5) at a face value of $A100 each. MCN5 are subordinated, non-cumulative, unsecured notes that pay discretionary, non-cumulative, quarterly floating rate cash distributions and may be redeemed at face value on 18 September 2027, 18 March 2028 or 18 September 2028 (subject to certain conditions being satisfied) or earlier in specified circumstances. MCN5 can be converted into a variable number of MGL ordinary shares (subject to certain conditions being satisfied) on these redemption dates; mandatorily exchanged on 18 September 2030; exchanged earlier upon an acquisition event (with the acquirer gaining control of MGL); or where APRA determines MGL would be non-viable without an exchange or a public sector injection of capital (or equivalent support).
MEREP	Macquarie Group Employee Retained Equity Plan.

7.1 Glossary

Continued

Defined Term	Definition
MFHPL	Macquarie Financial Holdings Pty Limited.
MGL, the Company	Macquarie Group Limited ABN 94 122 169 279.
N	
Net loan losses	The impact on the income statement of loan amounts provided for or written-off during the period, net of the recovery of any such amounts which were previously written-off or provided for in the income statement.
Net tangible assets per ordinary share	(Total equity less Macquarie Income Securities less Non-controlling interest less the Future Income Tax Benefit plus the Deferred Tax Liability less Intangible assets) divided by the number of ordinary shares on issue at the end of the period.
Net trading income	Income that comprises gains and losses related to trading assets and liabilities and includes all realised and unrealised fair value changes and foreign exchange differences.
Non-Bank Group	MGL, MFHPL and its subsidiaries, and MAMHPL and its subsidiaries.
Non-Banking Group	The Non-Banking Group includes Macquarie Capital, MAM and some business activities of CGM.
Non-GAAP metrics	Non-GAAP metrics include financial measures, ratios and other information that are neither required nor defined under Australian Accounting Standards.
O	
Operating Groups	The Operating Groups consist of BFS and CGM.
R	
RBA	Reserve Bank of Australia.
Return on equity	The profit after income tax attributable to Macquarie's ordinary shareholders expressed as an annualised percentage of the average ordinary equity over the relevant period, less the average balances of FVOCI, share of associate and cash flow hedging reserves.
Risk-weighted assets (RWA)	A risk-based measure of an entity's exposures, which is used in assessing its overall capital adequacy.
RMBS	Residential Mortgage-Backed Securities.
S	
Senior Management	Members of Macquarie's Executive Committee and Executive Directors who have a significant management or risk responsibility in the organisation.
SPEs	Special purpose entities.
Subordinated debt	Debt issued by Macquarie for which agreements between Macquarie and the lenders provide, in the event of liquidation, that the entitlement of such lenders to repayment of the principal sum and interest thereon is and shall at all times be and remain subordinated to the rights of all other present and future creditors of Macquarie. Subordinated debt is classified as liabilities in the Macquarie financial statements and may be included in Tier 2 Capital.
T	
TFF	Reserve Bank of Australia Term Funding Facility.
Tier 1 Capital	Tier 1 Capital comprises of (i) Common Equity Tier 1 Capital; and (ii) Additional Tier 1 Capital.
Tier 1 Capital Deductions	Tier 1 Capital Deductions comprises of (i) Common Equity Tier 1 Capital Deductions; and (ii) Additional Tier 1 Capital Deductions.
Tier 1 Capital Ratio	Tier 1 Capital net of Tier 1 Capital Deductions expressed as a percentage of RWA.

Defined Term	Definition
True Index products	True Index products deliver clients pre-tax index returns (before buy/sell spreads on transactions). Any under-performance is compensated by Macquarie and conversely, any out-performance is retained by Macquarie.
U	
UK	The United Kingdom.
US	The United States of America.

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