REFINITIV

DELTA REPORT

10-Q

BML PR N CL - BANK OF AMERICA CORP /DE/

10-Q - MARCH 31, 2024 COMPARED TO 10-Q - SEPTEMBER 30, 2023

The following comparison report has been automatically generated

TOTAL DELTAS	4505
CHANGES	1416
DELETIONS	1354
ADDITIONS	1735

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

(Mark One)

☑ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the Quarterly Period Ended September 30, 2023 March 31, 2024

or

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from to

Commission file number:
1-6523

Exact name of registrant as specified in its charter:
Bank of America Corporation

State or other jurisdiction of incorporation or organization:
Delaware

IRS Employer Identification No.:
56-0906609

Address of principal executive offices:
Bank of America Corporate Center
100 N. Tryon Street
Charlotte, North Carolina 28255

Registrant's telephone number, including area code:
(704) 386-5681

Former name, former address and former fiscal year, if changed since last report:

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value $0.01 per share	BAC	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of Floating Rate Non-Cumulative Preferred Stock, Series E	BAC PrE	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 6.000% Non-Cumulative Preferred Stock, Series GG	BAC PrB	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 5.875% Non-Cumulative Preferred Stock, Series HH	BAC PrK	New York Stock Exchange
7.25% Non-Cumulative Perpetual Convertible Preferred Stock, Series L	BAC PrL	New York Stock Exchange
Depositary Shares, each representing a 1/1,200th interest in a share of Bank of America Corporation Floating Rate Non-Cumulative Preferred Stock, Series 1	BML PrG	New York Stock Exchange

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Depositary Shares, each representing a 1/1,200th interest in a share of Bank of America Corporation Floating Rate Non-Cumulative Preferred Stock, Series 2	BML PrH	New York Stock Exchange
Depositary Shares, each representing a 1/1,200th interest in a share of Bank of America Corporation Floating Rate Non-Cumulative Preferred Stock, Series 4	BML PrJ	New York Stock Exchange
Depositary Shares, each representing a 1/1,200th interest in a share of Bank of America Corporation Floating Rate Non-Cumulative Preferred Stock, Series 5	BML PrL	New York Stock Exchange
Floating Rate Preferred Hybrid Income Term Securities of BAC Capital Trust XIII (and the guarantee related thereto)	BAC/PF	New York Stock Exchange
5.63% Fixed to Floating Rate Preferred Hybrid Income Term Securities of BAC Capital Trust XIV (and the guarantee related thereto)	BAC/PG	New York Stock Exchange
Income Capital Obligation Notes initially due December 15, 2066 of Bank of America Corporation	MER PrK	New York Stock Exchange
Senior Medium-Term Notes, Series A, Step Up Callable Notes, due November 28, 2031 of BofA Finance LLC (and the guarantee of the Registrant with respect thereto)	BAC/31B	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 5.375% Non-Cumulative Preferred Stock, Series KK	BAC PrM	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 5.000% Non-Cumulative Preferred Stock, Series LL	BAC PrN	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 4.375% Non-Cumulative Preferred Stock, Series NN	BAC PrO	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 4.125% Non-Cumulative Preferred Stock, Series PP	BAC PrP	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 4.250% Non-Cumulative Preferred Stock, Series QQ	BAC PrQ	New York Stock Exchange
Depositary Shares, each representing a 1/1,000th interest in a share of 4.750% Non-Cumulative Preferred Stock, Series SS	BAC PrS	New York Stock Exchange

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes ☑ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

Yes ☑ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☑ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☐

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Exchange Act Rule 12b-2).

Yes ☐ No ☑

On October 30, 2023 April 29, 2024, there were 7,913,732,014 7,820,370,305 shares of Bank of America Corporation Common Stock outstanding.

Bank of America Corporation and Subsidiaries
September 30, 2023 March 31, 2024
Form 10-Q

INDEX

Part I. Financial Information

Part II. Other Information

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations

Bank of America Corporation (the "Corporation") and its management may make certain statements that constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements can be identified by the fact that they do not relate strictly to historical or current facts. Forward-looking statements often use words such as "anticipates," "targets," "expects," "hopes," "estimates," "intends," "plans," "goals," "believes," "continue" and other similar expressions or future or conditional verbs such as "will," "may," "might," "should," "would" and "could." Forward-looking statements represent the Corporation's current expectations, plans or forecasts of its future results, revenues, liquidity, net interest income, provision for credit losses, expenses, efficiency ratio, capital measures, strategy, deposits, assets, and future business and economic conditions more generally, and other future matters. These statements are not guarantees of future results or performance and involve certain known and unknown risks, uncertainties and assumptions that are difficult to predict and are often beyond the Corporation's control. Actual outcomes and results may differ materially from those expressed in, or implied by, any of these forward-looking statements.

You should not place undue reliance on any forward-looking statement and should consider the following uncertainties and risks, as well as the risks and uncertainties more fully discussed under Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K and in any of the Corporation's subsequent Securities and Exchange Commission filings: the Corporation's potential judgments, orders, settlements, penalties, fines and reputational damage resulting from pending or future litigation and regulatory investigations, proceedings and enforcement actions, including as a result of our participation in and execution of government programs related to the Coronavirus Disease 2019 (COVID-19) pandemic, such as the processing of unemployment benefits for California and certain other states; the possibility that the Corporation's future liabilities may be in excess of its recorded liability and estimated range of possible loss for litigation, and regulatory and government actions; the possibility that the Corporation could face increased claims from one or more parties involved in mortgage securitizations; the Corporation's ability to resolve representations and warranties repurchase and related claims; the risks related to the discontinuation of reference rates, including increased expenses and litigation and the effectiveness of hedging strategies; uncertainties about the financial stability and growth rates of non-U.S. jurisdictions, the risk that those jurisdictions may face difficulties servicing their sovereign debt, and related stresses on financial markets, currencies and trade, and the Corporation's exposures to such risks, including direct, indirect and operational; the impact of U.S. and global interest rates, inflation, currency exchange rates, economic conditions, trade policies and tensions, including tariffs, and potential geopolitical instability; the impact of the interest rate, inflationary, macroeconomic, banking and regulatory environment on the Corporation's assets, business, financial condition and results of operations; the impact of adverse developments affecting the U.S. or global banking industry, including bank failures and liquidity concerns, resulting in worsening economic and market volatility, and regulatory responses thereto; the possibility that future credit losses may be higher than currently expected due to changes in economic assumptions, customer behavior, adverse developments with respect to U.S. or global economic conditions and other uncertainties, including the impact of supply chain disruptions, inflationary pressures and labor shortages on economic conditions and our business; potential losses related to the Corporation's concentration of credit *risk; the Corporation's ability to achieve its expense targets and expectations regarding revenue, net interest income, provision for credit losses, net charge-offs, effective tax rate, loan growth or other projections; adverse changes to the Corporation's credit ratings from the major credit rating agencies; an inability to access capital markets or maintain deposits or borrowing costs; estimates of the fair value and other accounting values, subject to impairment assessments, of certain of the Corporation's assets and liabilities; the estimated or actual impact of changes in accounting standards or assumptions in applying those standards; uncertainty regarding the content, timing and impact of regulatory capital and liquidity requirements; the impact of adverse changes to total loss-absorbing capacity requirements, stress capital buffer requirements and/or global systemically important bank surcharges; the potential impact of actions of the Board of Governors of the Federal Reserve System on the Corporation's capital plans; the effect of changes in or interpretations of income tax laws and regulations; the impact of implementation and compliance with U.S. and international laws, regulations and regulatory interpretations, including, but not limited to, recovery and resolution planning requirements, Federal Deposit Insurance Corporation assessments, the Volcker Rule, fiduciary standards, derivatives regulations and potential changes to loss allocations between financial institutions and customers, including for losses incurred from the use of our products and services, including Zelle, electronic payments and payment of checks, that were authorized by the customer but induced by fraud; the impact of failures or disruptions in or breaches of the Corporation's operational operations or security information systems, data or infrastructure, or those of third parties, including as a result of cyberattacks or campaigns; cybersecurity incidents; the risks related to the development, implementation, use and management of emerging technologies, including artificial intelligence and machine learning; the risks related to the transition and physical impacts of climate change; our ability to achieve environmental, social and governance goals and commitments or the impact of any changes in the Corporation's sustainability strategy or commitments generally; the impact of any future federal government shutdown and uncertainty regarding the federal government's debt limit or changes in fiscal, monetary or regulatory policy;* the emergence or continuation of widespread health emergencies or pandemics; the impact of natural disasters, extreme weather events, military conflicts (including the Russia/Ukraine conflict, the conflict in Israel and surrounding areas, the possible expansion of such conflicts and potential

Russia/Ukraine conflict, the conflict in the Middle East, the possible expansion of such conflicts and potential geopolitical consequences), terrorism or other geopolitical events; and other matters.

Forward-looking statements speak only as of the date they are made, and the Corporation undertakes no obligation to update any forward-looking statement to reflect the impact of circumstances or events that arise after the date the forward-looking statement was made.

Notes to the Consolidated Financial Statements referred to in Management's Discussion and Analysis of Financial Condition and Results of Operations (MD&A) are incorporated by reference into the MD&A. Certain prior-period amounts have been reclassified to conform to current-period presentation. Throughout the MD&A, the Corporation uses certain acronyms and abbreviations which are defined in the Glossary.

Executive Summary

Business Overview

The Corporation is a Delaware corporation, a bank holding company (BHC) and a financial holding company. When used in this report, "Bank of America," "the Corporation," "we," "us" and "our" may refer to Bank of America Corporation individually, Bank of America Corporation and its subsidiaries, or certain of Bank of America Corporation's subsidiaries or affiliates. Our principal executive offices are located in Charlotte, North Carolina. Through our various bank and nonbank subsidiaries throughout the U.S. and in international markets, we provide a diversified range of banking and nonbank financial services and products through four business segments: *Consumer Banking*, *Global Wealth & Investment Management (GWIM)*, *Global Banking* and *Global Markets*, with the remaining operations recorded in *All Other*. We operate our banking activities primarily under the Bank of America, National Association (Bank of America, N.A. or BANA) charter. At September 30, 2023 March 31, 2024, the Corporation had $3.2 trillion $3.3 trillion in assets and a headcount of approximately 213,000 212,000 employees.

As of September 30, 2023 March 31, 2024, we served clients through operations across the U.S., its territories and more than 35 countries. Our retail banking footprint covers all major markets in the U.S., and we serve approximately 69 million consumer and small business clients with approximately 3,900 3,800 retail financial centers, approximately 15,000 ATMs, and leading digital banking platforms (www.bankofamerica.com) with approximately 46 million 47 million active users, including approximately 37 million 39 million active mobile users. We offer industry-leading support to approximately four million small business households. Our *GWIM* businesses, with client balances of $3.6 trillion $4.0 trillion, provide tailored solutions to meet client needs through a full set of investment management, brokerage, banking, trust and retirement products. We are a global leader in corporate and investment banking and trading across a broad range of asset classes serving corporations, governments, institutions and individuals around the world.

The Corporation's website is www.bankofamerica.com, and the Investor Relations portion of our website is https://investor.bankofamerica.com. We use our website to distribute company information, including as a means of disclosing material, non-public information and for complying with our disclosure obligations under Regulation FD. We routinely post and make accessible financial and other information, including environmental, social and governance (ESG) information, regarding the Corporation on our website. Investors should monitor our website, including the Investor Relations portion, in addition to our press releases, U.S. Securities and Exchange Commission (SEC) filings, public conference calls and webcasts. Notwithstanding the foregoing, the information contained on our website as referenced in this paragraph is not incorporated by reference into this Quarterly Report on Form 10-Q.

Recent Developments

Capital Management

The Board of Governors of the Federal Reserve System (Federal Reserve) requires BHCs to submit a capital plan and planned capital actions on an annual basis, consistent with the rules governing the Comprehensive Capital Analysis and Review (CCAR) capital plan. On July 27, 2023, the Federal Reserve released final 2023 CCAR supervisory stress test results for Bank of America. Based on the results, our stress capital buffer (SCB) declined to 2.5 percent from 3.4 percent, resulting in a Common equity tier 1 (CET1) minimum requirement of 9.5 percent effective October 1, 2023.

OnJuly 27, 2023, U.S. banking regulators issued proposed rules that would update future U.S. regulatory capital requirements, including the calculation of risk-weighted assets (RWA) and the global systemically important bank (G-SIB) surcharge. In addition, on August 29, 2023, U.S. banking regulators issued proposed rules that would update future total loss-absorbing capacity (TLAC) and eligible long-term debt requirements. For more information, see Capital Management – Regulatory Developments on page 26.

On October 18, 2023 April 25, 2024, the Corporation's Board of Directors (the Board) declared a quarterly common stock dividend of $0.24 per share, payable on December 29, 2023 June 28, 2024 to shareholders of record as of December 1, 2023 June 7, 2024.

For more information on our capital resources, see Capital Management on page 22. 16.

FDIC Special Assessment

As previously disclosed, in May 2023 During the first quarter of 2024, the Federal Deposit

As previously disclosed, in May 2023, During the first quarter of 2024, the Federal Deposit Insurance Corporation (FDIC) issued a proposed rule that would impose a special assessment to recover increased its estimate of the loss to the Deposit Insurance Fund (DIF) arising from the protection of uninsured depositors closures of Silicon Valley Bank and Signature Bank associated with their closures, and Bank. The estimated loss to the systemic risk determination announced by DIF will be recovered through the FDIC collection of a special assessment from certain insured depository institutions. Accordingly, the Corporation recorded a pretax charge of $700 million in March 2023. While noninterest expense to increase the timing and amount of any expense recognition are unknown until the proposed rule is finalized, if the final rule is issued as proposed, the accrual for its estimated impact share of the special assessment on the Corporation would be a noninterest expense of approximately $1.9 billion that would be recognized upon finalization of the rule, which could occur in the fourth quarter of 2023. assessment. For more information, see *Note 10 – Commitments and Contingencies* to the Consolidated Financial Statements.

Financial Highlights

Table 1 **Table 1** **Summary Income Statement and Selected Financial Data**

Table 1

Table 1 **Summary Income Statement and Selected Financial Data**

		Three Months Ended September 30		Nine Months Ended September 30	
		Three Months Ended March 31			
(Dollars in millions, except per share information)	(Dollars in millions, except per share information)	**2023**	2022	**2023**	2022
(Dollars in millions, except per share information)		**2024**	2023		
Income statement	**Income statement**				
Net interest income					
Net interest income					
Net interest income	Net interest income	**$ 14,379**	$ 13,765	**$ 42,985**	$ 37,781
Noninterest income	Noninterest income	**10,788**	10,737	**33,637**	32,637
Total revenue, net of interest expense	**Total revenue, net of interest expense**	**25,167**	24,502	**76,622**	70,418
Provision for credit losses	Provision for credit losses	**1,234**	898	**3,290**	1,451
Noninterest expense	Noninterest expense	**15,838**	15,303	**48,114**	45,895
Income before income taxes	**Income before income taxes**	**8,095**	8,301	**25,218**	23,072
Income tax expense	Income tax expense	**293**	1,219	**1,847**	2,676
Net income	**Net income**	**7,802**	7,082	**23,371**	20,396

Preferred stock dividends	Preferred stock dividends	**532**	503	**1,343**	1,285
Net income applicable to common shareholders	**Net income applicable to common shareholders**	**$ 7,270**	$ 6,579	**$ 22,028**	$ 19,111
Per common share information	**Per common share information**				
Per common share information					
Earnings	Earnings	**$ 0.91**	$ 0.81	**$ 2.74**	$ 2.35
Diluted earnings	Diluted earnings	**0.90**	0.81	**2.72**	2.34
Dividends paid	Dividends paid	**0.24**	0.22	**0.68**	0.64
Performance ratios	**Performance ratios**				
Return on average assets (1)	Return on average assets (1)	**0.99 %**	0.90 %	**1.00 %**	0.86 %
Return on average assets (1)					
Return on average assets (1)				**0.83 %**	1.07 %
Return on average common shareholders' equity (1)	Return on average common shareholders' equity (1)	**11.24**	10.79	**11.63**	10.58
Return on average tangible common shareholders' equity (2)	Return on average tangible common shareholders' equity (2)	**15.47**	15.21	**16.09**	14.93
Efficiency ratio (1)	Efficiency ratio (1)	**62.93**	62.45	**62.79**	65.17

	March 31 2024	**September 30 2023**	December 31 2022	**March 31 2024**	December 31 2023
Balance sheet					
Balance sheet	**Balance sheet**				
Total loans and leases	Total loans and leases	**$ 1,049,149**	$ 1,045,747		
Total assets	Total assets	**3,153,090**	3,051,375		
Total deposits	Total deposits	**1,884,601**	1,930,341		
Total liabilities	Total liabilities	**2,866,026**	2,778,178		
Total common shareholders' equity	Total common shareholders' equity	**258,667**	244,800		
Total shareholders' equity	Total shareholders' equity	**287,064**	273,197		

(1) For definitions, see Key Metrics on page 106. 91.

(2) Return on average tangible common shareholders' equity is a non-GAAP financial measure. For more information and a corresponding reconciliation to the most closely related directly comparable financial measures defined by accounting principles generally accepted in the United States of America (GAAP), see Non-GAAP Reconciliations on page 49. 42.

Net income was $7.8 billion and $23.4 billion $6.7 billion, or $0.90 and $2.72 $0.76 per diluted share, for the three and nine months ended September 30, 2023 March 31, 2024 compared to $7.1 billion and $20.4 billion $8.2 billion, or $0.81 and $2.34 $0.94 per diluted share, for the same periods period in 2022. 2023. The increase decrease in net income was primarily due to higher net interest income and noninterest income, partially offset by higher noninterest expense, lower revenue and higher provision for credit losses.

Total assets increased $101.7 billion $93.7 billion from December 31, 2022 December 31, 2023 to $3.2 trillion $3.3 trillion primarily driven by higher cash trading account assets and cash equivalents securities borrowed or purchased under agreements to resell to support balance sheet and liquidity positioning, *Global Markets* client activity, as well as higher securities financing activity. debt securities.

Total liabilities increased $87.8 billion $91.7 billion from December 31, 2022 December 31, 2023 to $2.9 trillion $3.0 trillion primarily driven by higher securities financing activity loaned or sold under agreements to repurchase and higher long-term debt and short-term borrowings trading account liabilities to support balance sheet and liquidity positioning, partially offset by lower *Global Markets* client activity, as well as higher deposits primarily due to an increase in customer spending and debt payments, customers' movement of balances to higher yielding investment alternatives time deposit growth and seasonal outflows. deposit inflows.

Shareholders' equity increased $13.9 billion $1.9 billion from December 31, 2022 December 31, 2023 primarily due to an increase in net income, partially offset by returns of capital to shareholders through common stock repurchases and common and preferred stock dividends and common stock repurchases. dividends.

Net Interest Income

Net interest income increased $614 million decreased $416 million to $14.4 billion, and $5.2 billion to $43.0 billion $14.0 billion for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. Net interest yield on a fully taxable-equivalent (FTE) basis increased 5 decreased 21 basis points (bps) to 2.11 percent and 25 bps to 2.12 percent for the three and nine months ended September 30, 2023. 1.99 percent. The increases decreases were primarily driven by benefits from higher interest rates deposits and loan growth, funding costs, partially offset by higher funding costs, lower deposits and asset yields, higher net interest income related to *Global Markets* activity. activity and modest loan growth. For more information on net interest yield and FTE basis, see Supplemental Data on page 7, 5, and for more information on interest rate risk management, see Interest Rate Risk Management for the Banking Book on page 46. 39.

Noninterest Income

Table 2 Noninterest Income

(Dollars in millions)	Three Months Ended March 31 2024	2023
Fees and commissions:		
Card income	$ 1,463	$ 1,469
Service charges	1,442	1,410
Investment and brokerage services	4,187	3,852
Investment banking fees	1,568	1,163
Total fees and commissions	8,660	7,894
Market making and similar activities	3,888	4,712
Other income	(762)	(796)
Total noninterest income	$ 11,786	$ 11,810

Table 2 Noninterest Income

	Three Months Ended September 30		Nine Months Ended September 30	
(Dollars in millions)	2023	2022	2023	2022
Fees and commissions:				
Card income	$ 1,520	$ 1,573	$ 4,535	$ 4,531
Service charges	1,464	1,466	4,238	5,016
Investment and brokerage services	3,963	3,795	11,654	12,178
Investment banking fees	1,188	1,167	3,563	3,752
Total fees and commissions	8,135	8,001	23,990	25,477
Market making and similar activities	3,325	3,068	11,734	9,023
Other income	(672)	(332)	(2,087)	(1,863)

Total noninterest income	$	10,788	$	10,737	$	33,637	$	32,637

Noninterest income increased $51 million decreased $24 million to $10.8 billion and $1.0 billion to $33.6 billion $11.8 billion for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. The following highlights the significant changes.

- Service charges decreased $778 million for the nine-month period increased $32 million primarily driven by the impact of non-sufficient funds and overdraft policy changes, as well as lower higher treasury service charges.
- Investment and brokerage services increased $168 million for the three-month period $335 million primarily driven by higher asset management fees due to higher average equity market levels valuations and the impact of positive assets under management (AUM) flows, partially offset by lower brokerage fees. The nine-month period decreased $524 million primarily driven by lower asset management fees and brokerage fees due to lower average equity and fixed income market levels and transactional volumes, partially offset by the impact of positive lower AUM flows. pricing.
- Investment banking fees decreased $189 million for the nine-month period increased $405 million primarily due to lower higher debt issuance and advisory fees, partially offset by higher equity issuance fees.
- Other income decreased $340 million and $224 million increased $34 million primarily due to higher partnership losses on ESG investments and losses on sales of available-for-sale (AFS) debt securities in the nine-month period, partially prior year, largely offset by certain negative valuation adjustments higher partnership losses on tax credit investments in the prior-year periods. current year.
- Market making and similar activities increased $257 million and $2.7 billion decreased $824 million primarily driven by improved lower trading in credit and mortgage revenue from macro products in Fixed Income, Currencies and Commodities (FICC) and by the impact of higher interest rates on client financing activities in Equities. .

Provision for Credit Losses

The provision for credit losses increased $336 million $388 million to $1.2 billion and $1.8 billion to $3.3 billion $1.3 billion for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. The provision for credit losses for the current-year periods was driven by our consumer portfolio primarily due to credit card loan growth and asset quality, partially offset by certain improved macroeconomic conditions that primarily benefited our commercial portfolio. In addition, provision for credit losses for the three months ended September 30, 2023 benefited from commercial net paydowns.For the three-month period in the prior year, the provision for credit losses was primarily driven by loan growth and a dampened macroeconomic outlook, credit card loans and the nine-month period in the prior year was driven by the same factors as well as a reserve build related to Russian exposure,commercial real estate office portfolio, partially offset by asset quality improvement and reduced COVID-19 pandemic uncertainties. an improved macroeconomic outlook. For more information on the provision for credit losses, see Allowance for Credit Losses on page 42.35.

Noninterest Expense

Table 3 Noninterest Expense

(Dollars in millions)		Three Months Ended March 31 2024		2023
Compensation and benefits	$	10,195	$	9,918
Occupancy and equipment		1,811		1,799
Information processing and communications		1,800		1,697
Product delivery and transaction related		851		890
Marketing		455		458
Professional fees		548		537
Other general operating		1,577		939
Total noninterest expense	$	17,237	$	16,238

Table 3 **Noninterest Expense**

(Dollars in millions)	Three Months Ended September 30 2023	2022	Nine Months Ended September 30 2023	2022
Compensation and benefits	$ **9,551**	$ 8,887	$ **28,870**	$ 27,286
Occupancy and equipment	**1,795**	1,777	**5,370**	5,285
Information processing and communications	**1,676**	1,546	**5,017**	4,621
Product delivery and transaction related	**880**	892	**2,726**	2,749
Marketing	**501**	505	**1,472**	1,365
Professional fees	**545**	525	**1,609**	1,493
Other general operating	**890**	1,171	**3,050**	3,096
Total noninterest expense	$ **15,838**	$ 15,303	$ **48,114**	$ 45,895

Noninterest expense increased $535 million $1.0 billion to $15.8 billion $17.2 billion for the three months ended September 30, 2023 March 31, 2024 compared to the same period in 2022 2023. The increase was primarily due to driven by the additional accrual of $700 million for the FDIC special assessment, as well as higher investments in people and technology, higher FDIC expense and costs related to a liquidating business activity, partially offset by lower litigation expense. For the nine months ended September 30, 2023, noninterest expense increased $2.2 billion to $48.1 billion compared to the same period in 2022 primarily due to higher investments in people and technology and higher FDIC expense, partially offset by lower litigation expense and revenue-related compensation.

Income Tax Expense

Table 4 Table 4 Income Tax Expense

Table 4

Table 4

(Dollars in millions)	Three Months Ended September 30 2023	2022	Nine Months Ended September 30 2023	2022	Three Months Ended March 31 2024	2023
Income before income taxes	**$8,095**	$8,301	**$25,218**	$23,072		
Income tax expense	**293**	1,219	**1,847**	2,676		
Effective tax rate	**3.6 %**	14.7 %	**7.3 %**	11.6 %	**8.1 %**	10.2 %

The effective tax rates for the three and nine months ended September 30, 2023 March 31, 2024 and 2022 2023 were primarily driven by our recurring tax preference benefits that mainly consist of tax credits from ESG investments in affordable housing and renewable energy. The three and nine months ended September 30, 2023 also Also included discrete benefits of $212 million and $422 million primarily related to certain U.S. state law changes in the three-month period, as well as other effective tax rate for the first quarter of 2024 was a discrete benefits primarily related to resolution of U.S. federal and state tax matters in benefit from the nine-month period. $700 million charge recorded for the FDIC special assessment. Absent the ESG recurring tax credits and discrete tax benefits, the effective tax rates would have been 25 approximately 26 percent for both the three months ended September 30, 2023 and 2022, and 26 percent and 25 percent for the nine months ended September 30, 2023 and 2022. periods.

Supplemental Financial Data

Non-GAAP Financial Measures

In this Quarterly Report on Form 10-Q, we present certain non-GAAP financial measures. Non-GAAP financial measures exclude certain items or otherwise include components that differ from the most directly comparable measures calculated in accordance with GAAP. Non-GAAP financial measures are provided as additional useful information to assess our financial condition, results of operations (including period-to-period operating performance) or compliance with prospective regulatory requirements. These non-GAAP financial measures are not intended as a substitute for GAAP financial measures and may not be defined or calculated the same way as non-GAAP financial measures used by other companies.

When presented on a consolidated basis, we view net interest income on an FTE basis as a non-GAAP financial measure. To derive the FTE basis, net interest income is adjusted to reflect tax-exempt income on an equivalent before-tax basis with a corresponding increase in income tax expense. For purposes of this calculation, we use the federal statutory tax rate of 21 percent and a representative state tax rate. Net interest yield, which measures the basis points we earn over the cost of funds, utilizes net interest income on an FTE basis. We believe that presentation of these items on an FTE basis allows for comparison of amounts from both taxable and tax-exempt sources and is consistent with industry practices.

We may present certain key performance indicators and ratios excluding certain items (e.g., debit valuation adjustment (DVA) gains (losses)), which result in non-GAAP financial measures. We believe that the presentation of measures that exclude these items is useful because such measures provide additional information to assess the underlying operational performance and trends of our businesses and to allow better comparison of period-to-period operating performance.

We also evaluate our business based on certain ratios that utilize tangible equity, a non-GAAP financial measure. Tangible equity represents shareholders' equity or common shareholders' equity reduced by goodwill and intangible assets (excluding mortgage servicing rights (MSRs)), net of related deferred tax liabilities ("adjusted" shareholders' equity or common shareholders' equity). These measures are used to evaluate our use of equity. In addition, profitability, relationship and investment models use both return on average tangible common shareholders' equity and return on average tangible shareholders' equity as key measures to support our overall growth objectives. These ratios are:

- Return on average tangible common shareholders' equity measures our net income applicable to common shareholders as a percentage of adjusted average common shareholders' equity. The tangible common equity ratio represents adjusted ending common shareholders' equity divided by total tangible assets.
- Return on average tangible shareholders' equity measures our net income as a percentage of adjusted average total shareholders' equity. The tangible equity ratio represents adjusted ending shareholders' equity divided by total tangible assets.
- Tangible book value per common share represents adjusted ending common shareholders' equity divided by ending common shares outstanding.

We believe ratios utilizing tangible equity provide additional useful information because they present measures of those assets that can generate income. Tangible book value per common share provides additional useful information about the level of tangible assets in relation to outstanding shares of common stock.

The aforementioned supplemental data and performance measures are presented in Table 5 on page 8. 6.

For more information on the reconciliation of these non-GAAP financial measures to the corresponding GAAP financial measures, see Non-GAAP Reconciliations on page 49. 42.

Key Performance Indicators

We present certain key financial and nonfinancial performance indicators (key performance indicators) that management uses when assessing our consolidated and/or segment results. We believe they are useful to investors because they provide additional information about our underlying operational performance and trends. These key performance indicators (KPIs) may not be defined or calculated in the same way as similar KPIs used by other companies. For information on how these metrics are defined, see Key Metrics on page 106. 91.

Our consolidated key performance indicators, which include various equity and credit metrics, are presented in Table 1 on page 4 3 and Table 5 on page 8. 6.

For information on key segment performance metrics, see Business Segment Operations on page 11. 8.

Table 5 Table 5 Selected Financial Data

		2023 Quarters			2022 Quarters		Nine Months Ended September 30	
Table 5								
Table 5								
		2024 Quarter						
		2024 Quarter						
		2024 Quarter						
(In millions, except per share information)								
(In millions, except per share information)								
(In millions, except per share information)	(In millions, except per share information)	Third	Second	First	Fourth	Third	2023	2022
Income statement	Income statement							
Income statement								
Income statement								
Net interest income								
Net interest income								

Net interest income	Net interest income	$ **14,379**	$ 14,158	$ 14,448	$ 14,681	$ 13,765	$ **42,985**	$ 37,781
Noninterest income	Noninterest income	**10,788**	11,039	11,810	9,851	10,737	**33,637**	32,637
Noninterest income								
Noninterest income								
Total revenue, net of interest expense								
Total revenue, net of interest expense								
Total revenue, net of interest expense	Total revenue, net of interest expense	**25,167**	25,197	26,258	24,532	24,502	**76,622**	70,418
Provision for credit losses	Provision for credit losses	**1,234**	1,125	931	1,092	898	**3,290**	1,451
Provision for credit losses								
Provision for credit losses								
Noninterest expense								
Noninterest expense								
Noninterest expense	Noninterest expense	**15,838**	16,038	16,238	15,543	15,303	**48,114**	45,895
Income before income taxes	Income before income taxes	**8,095**	8,034	9,089	7,897	8,301	**25,218**	23,072
Income before income taxes								
Income before income taxes								
Income tax expense								
Income tax expense								
Income tax expense	Income tax expense	**293**	626	928	765	1,219	**1,847**	2,676
Net income	Net income	**7,802**	7,408	8,161	7,132	7,082	**23,371**	20,396
Net income								
Net income								
Net income applicable to common shareholders								
Net income applicable to common shareholders								
Net income applicable to common shareholders	Net income applicable to common shareholders	**7,270**	7,102	7,656	6,904	6,579	**22,028**	19,111
Average common shares issued and outstanding	Average common shares issued and outstanding	**8,017.1**	8,040.9	8,065.9	8,088.3	8,107.7	**8,041.3**	8,122.2
Average common shares issued and outstanding								
Average common shares issued and outstanding								
Average diluted common shares issued and outstanding								
Average diluted common shares issued and outstanding								
Average diluted common shares issued and outstanding	Average diluted common shares issued and outstanding	**8,075.9**	8,080.7	8,182.3	8,155.7	8,160.8	**8,153.4**	8,173.3
Performance ratios	**Performance ratios**							
Performance ratios								
Performance ratios								
Return on average assets (1)								

Return on average assets (1)								
Return on average assets (1)	Return on average assets (1)	**0.99 %**	0.94 %	1.07 %	0.92 %	0.90 %	**1.00 %**	0.86 %
Four-quarter trailing return on average assets (2)	Four-quarter trailing return on average assets (2)	**0.98**	0.96	0.92	0.88	0.87	**n/a**	n/a
Four-quarter trailing return on average assets (2)								
Four-quarter trailing return on average assets (2)								
Return on average common shareholders' equity (1)								
Return on average common shareholders' equity (1)								
Return on average common shareholders' equity (1)	Return on average common shareholders' equity (1)	**11.24**	11.21	12.48	11.24	10.79	**11.63**	10.58
Return on average tangible common shareholders' equity (3)	Return on average tangible common shareholders' equity (3)	**15.47**	15.49	17.38	15.79	15.21	**16.09**	14.93
Return on average tangible common shareholders' equity (3)								
Return on average tangible common shareholders' equity (3)								
Return on average shareholders' equity (1)								
Return on average shareholders' equity (1)								
Return on average shareholders' equity (1)	Return on average shareholders' equity (1)	**10.86**	10.52	11.94	10.38	10.37	**11.10**	10.12
Return on average tangible shareholders' equity (3)	Return on average tangible shareholders' equity (3)	**14.41**	14.00	15.98	13.98	13.99	**14.78**	13.68
Return on average tangible shareholders' equity (3)								
Return on average tangible shareholders' equity (3)								
Total ending equity to total ending assets								
Total ending equity to total ending assets								
Total ending equity to total ending assets	Total ending equity to total ending assets	**9.10**	9.07	8.77	8.95	8.77	**9.10**	8.77
Common equity ratio (1)	Common equity ratio (1)	**8.20**	8.16	7.88	8.02	7.82	8.20	7.82
Common equity ratio (1)								

Common equity ratio (1)								
Total average equity to total average assets								
Total average equity to total average assets								
Total average equity to total average assets	Total average equity to total average assets	**9.11**	8.89	8.95	8.87	8.73	**8.99**	8.54
Dividend payout (1)	Dividend payout (1)	**26.39**	24.88	23.17	25.71	27.06	**24.78**	27.15
Dividend payout (1)								
Dividend payout (1)								
Per common share data								
Per common share data								
Per common share data	**Per common share data**							
Earnings	Earnings	**$ 0.91**	$ 0.88	$ 0.95	$ 0.85	$ 0.81	**$ 2.74**	$ 2.35
Earnings								
Earnings								
Diluted earnings								
Diluted earnings								
Diluted earnings	Diluted earnings	**0.90**	0.88	0.94	0.85	0.81	**2.72**	2.34
Dividends paid	Dividends paid	**0.24**	0.22	0.22	0.22	0.22	**0.68**	0.64
Dividends paid								
Dividends paid								
Book value (1)	Book value (1)	**32.65**	32.05	31.58	30.61	29.96	**32.65**	29.96
Book value (1)								
Book value (1)								
Tangible book value (3)								
Tangible book value (3)								
Tangible book value (3)	Tangible book value (3)	**23.79**	23.23	22.78	21.83	21.21	**23.79**	21.21
Market capitalization	**Market capitalization**	**$ 216,942**	$ 228,188	$ 228,012	$ 264,853	$ 242,338	**$ 216,942**	$ 242,338
Market capitalization								
Market capitalization								
Average balance sheet								
Average balance sheet								
Average balance sheet	**Average balance sheet**							
Total loans and leases	Total loans and leases	**$1,046,254**	$1,046,608	$1,041,352	$1,039,247	$1,034,334		
Total loans and leases								
Total loans and leases								
Total assets								
Total assets								
Total assets	Total assets	**3,128,466**	3,175,358	3,096,058	3,074,289	3,105,546		
Total deposits	Total deposits	**1,876,153**	1,875,353	1,893,649	1,925,544	1,962,775		
Total deposits								
Total deposits								
Long-term debt								
Long-term debt								

Long-term debt	Long-term debt	**245,819**	248,480	244,759	243,871	250,204
Common shareholders' equity	Common shareholders' equity	**256,578**	254,028	248,855	243,647	241,882
Common shareholders' equity						
Common shareholders' equity						
Total shareholders' equity						
Total shareholders' equity						
Total shareholders' equity	Total shareholders' equity	**284,975**	282,425	277,252	272,629	271,017
Asset quality	**Asset quality**					
Asset quality						
Asset quality						
Allowance for credit losses (4)						
Allowance for credit losses (4)						
Allowance for credit losses (4)	Allowance for credit losses (4)	**$ 14,640**	$ 14,338	$ 13,951	$ 14,222	$ 13,817
Nonperforming loans, leases and foreclosed properties (5)	Nonperforming loans, leases and foreclosed properties (5)	**4,993**	4,274	4,083	3,978	4,156
Nonperforming loans, leases and foreclosed properties (5)						
Nonperforming loans, leases and foreclosed properties (5)						
Allowance for loan and lease losses as a percentage of total loans and leases outstanding (5)						
Allowance for loan and lease losses as a percentage of total loans and leases outstanding (5)						
Allowance for loan and lease losses as a percentage of total loans and leases outstanding (5)	Allowance for loan and lease losses as a percentage of total loans and leases outstanding (5)	**1.27 %**	1.24 %	1.20 %	1.22 %	1.20 %
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases (5)	Allowance for loan and lease losses as a percentage of total nonperforming loans and leases (5)	**275**	314	319	333	309
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases (5)						
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases (5)						
Net charge-offs						
Net charge-offs						
Net charge-offs	Net charge-offs	**$ 931**	$ 869	$ 807	$ 689	$ 520

Annualized net charge-offs as a percentage of average loans and leases outstanding (5)	Annualized net charge-offs as a percentage of average loans and leases outstanding (5)	**0.35 %**	0.33 %	0.32 %	0.26 %	0.20 %

Annualized net charge-offs as a percentage of average loans and leases outstanding (5)

Annualized net charge-offs as a percentage of average loans and leases outstanding (5)

Capital ratios at period end (6)

Capital ratios at period end (6)

Capital ratios at period end (6)	**Capital ratios at period end (6)**					
Common equity tier 1 capital	Common equity tier 1 capital	**11.9 %**	11.6 %	11.4 %	11.2 %	11.0 %

Common equity tier 1 capital

Common equity tier 1 capital

Tier 1 capital

Tier 1 capital

Tier 1 capital	Tier 1 capital	**13.6**	13.3	13.1	13.0	12.8
Total capital	Total capital	**15.4**	15.1	15.0	14.9	14.7

Total capital

Total capital

Tier 1 leverage

Tier 1 leverage

Tier 1 leverage	Tier 1 leverage	**7.3**	7.1	7.1	7.0	6.8
Supplementary leverage ratio	Supplementary leverage ratio	**6.2**	6.0	6.0	5.9	5.8

Supplementary leverage ratio

Supplementary leverage ratio

Tangible equity (3)

Tangible equity (3)

Tangible equity (3)	Tangible equity (3)	**7.0**	7.0	6.7	6.8	6.6
Tangible common equity (3)	Tangible common equity (3)	**6.1**	6.1	5.8	5.9	5.7

Tangible common equity (3)

Tangible common equity (3)

Total loss-absorbing capacity and long-term debt metrics

Total loss-absorbing capacity and long-term debt metrics

Total loss-absorbing capacity and long-term debt metrics	**Total loss-absorbing capacity and long-term debt metrics**					
Total loss-absorbing capacity to risk-weighted assets	Total loss-absorbing capacity to risk-weighted assets	**29.3 %**	28.8 %	28.8 %	29.0 %	28.9 %

Total loss-absorbing capacity to risk-weighted assets

Total loss-absorbing capacity to risk-weighted assets

Total loss-absorbing capacity to supplementary leverage exposure

Total loss-absorbing capacity to supplementary leverage exposure

Total loss-absorbing capacity to supplementary leverage exposure	Total loss-absorbing capacity to supplementary leverage exposure	**13.3**	13.0	13.1	13.2	13.0
Eligible long-term debt to risk-weighted assets	Eligible long-term debt to risk-weighted assets	**14.8**	14.6	14.8	15.2	15.2
Eligible long-term debt to supplementary leverage exposure	Eligible long-term debt to supplementary leverage exposure	**6.7**	6.6	6.7	6.9	6.8

Eligible long-term debt to risk-weighted assets

Eligible long-term debt to risk-weighted assets

Eligible long-term debt to supplementary leverage exposure

Eligible long-term debt to supplementary leverage exposure

(1) For definitions, see Key Metrics on page 106. 91.

(2) Calculated as total net income for four consecutive quarters divided by annualized average assets for four consecutive quarters.

(3) Tangible equity ratios and tangible book value per share of common stock are non-GAAP financial measures. For more information on these ratios and corresponding reconciliations to GAAP financial measures, see Supplemental Financial Data on page 7 5 and Non-GAAP Reconciliations on page 49. 42.

(4) Includes the allowance for loan and lease losses and the reserve for unfunded lending commitments.

(5) Balances and ratios do not include loans accounted for under the fair value option. For additional exclusions from nonperforming loans, leases and foreclosed properties, see Consumer Portfolio Credit Risk Management – Nonperforming Consumer Loans, Leases and Foreclosed Properties Activity on page 35 28 and corresponding Table 25 24 and Commercial Portfolio Credit Risk Management – Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 39 32 and corresponding Table 31. 30.

(6) For more information, including which approach is used to assess capital adequacy, see Capital Management on page 22. 16.

n/a = not applicable

Table 6 **Table 6** **Quarterly Average Balances and Interest Rates - FTE Basis**

Table 6

Table 6

	Average Balance	Interest Income/ Expense (1)	Yield/ Rate	Average Balance	Interest Income/ Expense (1)	Yield/ Rate

Average Balance

Average Balance

(Dollars in millions)	(Dollars in millions)	Third Quarter 2023 Average Balance	Third Quarter 2023 Interest Income/Expense	Third Quarter 2023 Yield/Rate	Third Quarter 2022 Average Balance	Third Quarter 2022 Interest Income/Expense	Third Quarter 2022 Yield/Rate
Earning assets	**Earning assets**						
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	**$ 353,183**	**$ 4,613**	**5.18 %**	$ 184,263	$ 848	1.83 %
Time deposits placed and other short-term investments	Time deposits placed and other short-term investments	**8,629**	**113**	**5.20**	10,352	34	1.33
Federal funds sold and securities borrowed or purchased under agreements to resell	Federal funds sold and securities borrowed or purchased under agreements to resell	**287,403**	**4,888**	**6.75**	278,059	1,446	2.06
Trading account assets	Trading account assets	**191,283**	**2,244**	**4.66**	163,744	1,465	3.55
Debt securities	Debt securities	**752,569**	**4,685**	**2.47**	901,654	4,259	1.88
Loans and leases (2)	Loans and leases (2)						
Residential mortgage	Residential mortgage	**229,001**	**1,745**	**3.04**	228,474	1,616	2.83
Residential mortgage							
Residential mortgage							
Home equity	Home equity	**25,661**	**390**	**6.04**	27,282	229	3.32
Credit card	Credit card	**98,049**	**2,727**	**11.03**	85,009	2,187	10.20
Direct/Indirect and other consumer	Direct/Indirect and other consumer	**104,134**	**1,354**	**5.16**	108,300	923	3.38
Direct/Indirect and other consumer							
Direct/Indirect and other consumer							
Total consumer							
Total consumer							
Total consumer	Total consumer	**456,845**	**6,216**	**5.41**	449,065	4,955	4.39
U.S. commercial	U.S. commercial	**377,728**	**5,061**	**5.32**	377,183	3,427	3.60
Non-U.S. commercial	Non-U.S. commercial	**123,781**	**2,088**	**6.69**	127,793	1,028	3.19
Commercial real estate (3)	Commercial real estate (3)	**74,088**	**1,364**	**7.30**	66,707	738	4.39
Commercial lease financing	Commercial lease financing	**13,812**	**166**	**4.79**	13,586	124	3.65
Total commercial	Total commercial	**589,409**	**8,679**	**5.84**	585,269	5,317	3.61
Total loans and leases	Total loans and leases	**1,046,254**	**14,895**	**5.65**	1,034,334	10,272	3.94
Other earning assets	Other earning assets	**99,378**	**2,339**	**9.35**	98,172	1,403	5.67
Total earning assets	**Total earning assets**	**2,738,699**	**33,777**	**4.90**	2,670,578	19,727	2.94

(Dollars in millions)	First Quarter 2024 Average Balance	First Quarter 2024 Interest Income/Expense (1)	First Quarter 2024 Yield/Rate	First Quarter 2023 Average Balance	First Quarter 2023 Interest Income/Expense (1)	First Quarter 2023 Yield/Rate
Earning assets						
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	**$346,463**	**$ $ 4,531**	**5.26 5.26 %**	$ 202,700	$ $ 1,999	4.00 4.00 %

Cash and due from banks	Cash and due from banks	**25,772**			27,250			
Other assets, less allowance for loan and lease losses	Other assets, less allowance for loan and lease losses	**363,995**			407,718			
Other assets, less allowance for loan and lease losses								
Other assets, less allowance for loan and lease losses								
Total assets	**Total assets**	**$3,128,466**			$3,105,546			
Total assets								
Total assets								
Interest-bearing liabilities								
Interest-bearing liabilities								
Interest-bearing liabilities	**Interest-bearing liabilities**							
U.S. interest-bearing deposits	U.S. interest-bearing deposits							U.S. interest-bearing deposits
Demand and money market deposits	Demand and money market deposits	**$ 942,368**	**$ 4,304**	**1.81 %**	$ 981,145	$ 832	0.34 %	
Demand and money market deposits								
Demand and money market deposits		**$956,716**	**$ 5,012**	**2.11 %**	$975,085	$2,790	1.16 %	
Time and savings deposits								
Time and savings deposits								
Time and savings deposits	Time and savings deposits	**271,425**	**2,149**	**3.14**	164,313	193	0.47	
Total U.S. interest-bearing deposits	Total U.S. interest-bearing deposits	**1,213,793**	**6,453**	**2.11**	1,145,458	1,025	0.35	
Non-U.S. interest-bearing deposits								
Non-U.S. interest-bearing deposits								
Non-U.S. interest-bearing deposits	Non-U.S. interest-bearing deposits	**97,095**	**887**	**3.63**	79,383	210	1.05	
Total interest-bearing deposits	Total interest-bearing deposits	**1,310,888**	**7,340**	**2.22**	1,224,841	1,235	0.40	
Federal funds purchased and securities loaned or sold under agreements to repurchase	Federal funds purchased and securities loaned or sold under agreements to repurchase	**294,878**	**5,342**	**7.19**	211,346	1,338	2.51	
Short-term borrowings and other interest-bearing liabilities	Short-term borrowings and other interest-bearing liabilities	**140,513**	**2,287**	**6.45**	137,253	926	2.68	
Trading account liabilities	Trading account liabilities	**48,084**	**510**	**4.21**	46,507	383	3.27	
Long-term debt	Long-term debt	**245,819**	**3,766**	**6.10**	250,204	1,974	3.14	

Total interest-bearing liabilities	**Total interest-bearing liabilities**	**2,040,182**	**19,245**	**3.75**	1,870,151	5,856	1.24					
Noninterest-bearing sources	Noninterest-bearing sources											
Noninterest-bearing deposits	Noninterest-bearing deposits	**565,265**			737,934							
Noninterest-bearing deposits												
Noninterest-bearing deposits												
Other liabilities (4)												
Other liabilities (4)												
Other liabilities (4)	Other liabilities (4)	**238,044**			226,444							
Shareholders' equity	Shareholders' equity	**284,975**			271,017							
Shareholders' equity												
Shareholders' equity												
Total liabilities and shareholders' equity	**Total liabilities and shareholders' equity**	**$ 3,128,466**			$ 3,105,546							
Total liabilities and shareholders' equity												
Total liabilities and shareholders' equity												
Net interest spread												
Net interest spread												
Net interest spread	Net interest spread			**1.15 %**			1.70 %			**1.02 %**		1.43
Impact of noninterest-bearing sources	Impact of noninterest-bearing sources			**0.96**			0.36					
Net interest income/yield on earning assets (5)	**Net interest income/yield on earning assets (5)**		**$ 14,532**	**2.11 %**		$ 13,871	2.06 %	**Net interest income/yield on earning assets (5)**	**$ 14,190**	**1.99**	**1.99 %**	$ 14,582 2.20

(1) Includes the impact of interest rate risk management contracts. For more information, see Interest Rate Risk Management for the Banking Book on page 46. 39.

(2) Nonperforming loans are included in the respective average loan balances. Income on these nonperforming loans is generally recognized on a cost recovery basis.

(3) Includes U.S. commercial real estate loans of $67.9 billion $66.2 billion and $62.5 billion $65.5 billion, and non-U.S. commercial real estate loans of $6.2 billion $5.8 billion and $4.2 billion $5.1 billion for the third first quarter of 2023 2024 and 2022. 2023.

(4) Includes $41.1 billion $44.1 billion and $29.2 billion $37.3 billion of structured notes and liabilities for the third first quarter of 2023 2024 and 2022. 2023.

(5) Net interest income includes FTE adjustments of $153 million $158 million and $106 million $134 million for the third first quarter of 2023 2024 and 2022. 2023.

Table 7 **Year-to-Date Average Balances and Interest Rates - FTE Basis**

	Average Balance	Interest Income/ Expense (1)	Yield/ Rate	Average Balance	Interest Income/ Expense (1)	Yield/ Rate
	Nine Months Ended September 30					

(Dollars in millions)	2023			2022		
Earning assets						
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks	**$ 305,526**	**$ 10,915**	**4.78 %**	$ 202,293	$ 1,216	0.80 %
Time deposits placed and other short-term investments	**10,153**	**350**	**4.61**	9,091	58	0.86
Federal funds sold and securities borrowed or purchased under agreements to resell	**289,823**	**13,555**	**6.25**	293,971	1,835	0.83
Trading account assets	**187,481**	**6,375**	**4.54**	154,428	3,802	3.29
Debt securities	**791,339**	**14,887**	**2.50**	940,808	12,164	1.72
Loans and leases (2)						
Residential mortgage	**229,010**	**5,133**	**2.99**	227,010	4,712	2.77
Home equity	**26,041**	**1,060**	**5.44**	27,492	684	3.32
Credit card	**94,775**	**7,658**	**10.80**	81,505	6,081	9.97
Direct/Indirect and other consumer	**104,896**	**3,814**	**4.86**	107,204	2,198	2.74
Total consumer	**454,722**	**17,665**	**5.19**	443,211	13,675	4.12
U.S. commercial	**377,873**	**14,318**	**5.07**	362,669	8,079	2.98
Non-U.S. commercial	**125,525**	**5,815**	**6.19**	124,965	2,228	2.38
Commercial real estate (3)	**72,927**	**3,811**	**6.99**	64,295	1,601	3.33
Commercial lease financing	**13,709**	**462**	**4.50**	14,071	334	3.17
Total commercial	**590,034**	**24,406**	**5.53**	566,000	12,242	2.89
Total loans and leases	**1,044,756**	**42,071**	**5.38**	1,009,211	25,917	3.43
Other earning assets	**98,857**	**6,902**	**9.33**	108,968	2,813	3.45
Total earning assets	**2,727,935**	**95,055**	**4.66**	2,718,770	47,805	2.35
Cash and due from banks	**26,544**			28,116		
Other assets, less allowance for loan and lease losses	**378,936**			409,771		
Total assets	**$ 3,133,415**			$ 3,156,657		
Interest-bearing liabilities						
U.S. interest-bearing deposits						
Demand and money market deposits	**$ 956,165**	**$ 10,659**	**1.49 %**	$ 989,364	$ 1,101	0.15 %
Time and savings deposits	**233,079**	**4,520**	**2.59**	161,707	275	0.23
Total U.S. interest-bearing deposits	**1,189,244**	**15,179**	**1.71**	1,151,071	1,376	0.16
Non-U.S. interest-bearing deposits	**95,187**	**2,260**	**3.17**	80,235	343	0.57
Total interest-bearing deposits	**1,284,431**	**17,439**	**1.82**	1,231,306	1,719	0.19
Federal funds purchased and securities loaned or sold under agreements to repurchase	**291,349**	**14,700**	**6.75**	214,404	1,871	1.17
Short-term borrowings and other interest-bearing liabilities	**153,653**	**7,464**	**6.49**	132,873	834	0.84
Trading account liabilities	**45,675**	**1,486**	**4.35**	54,852	1,117	2.72
Long-term debt	**246,357**	**10,559**	**5.72**	247,357	4,168	2.25
Total interest-bearing liabilities	**2,021,465**	**51,648**	**3.41**	1,880,792	9,709	0.69
Noninterest-bearing sources						
Noninterest-bearing deposits	**597,224**			775,278		
Other liabilities (4)	**233,147**			231,073		
Shareholders' equity	**281,579**			269,514		
Total liabilities and shareholders' equity	**$ 3,133,415**			$ 3,156,657		
Net interest spread			**1.25 %**			1.66 %
Impact of noninterest-bearing sources			**0.87**			0.21
Net interest income/yield on earning assets (5)		**$ 43,407**	**2.12 %**		$ 38,096	1.87 %

(1) Includes the impact of interest rate risk management contracts. For more information, see Interest Rate Risk Management for the Banking Book on page 46.

(2) Nonperforming loans are included in the respective average loan balances. Income on these nonperforming loans is generally recognized on a cost recovery basis.

(3) Includes U.S. commercial real estate loans of $67.2 billion and $60.0 billion and non-U.S. commercial real estate loans of $5.8 billion and $4.3 billion for the nine months ended September 30, 2023 and 2022.

(4) Includes $39.5 billion and $29.7 billion of structured notes and liabilities for the nine months ended September 30, 2023 and 2022.

(5) Net interest income includes FTE adjustments of $422 million and $315 million for the nine months ended September 30, 2023 and 2022.

Business Segment Operations

Segment Description and Basis of Presentation

We report our results of operations through four business segments: *Consumer Banking, GWIM, Global Banking* and *Global Markets*, with the remaining operations recorded in *All Other*. We manage our segments and report their results on an FTE basis. For more information, see Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

We periodically review capital allocated to our businesses and allocate capital annually during the strategic and capital planning processes. We utilize a methodology that considers the effect of regulatory capital requirements in addition to internal risk-based capital models. The capital allocated to the business segments is referred to as allocated capital. Allocated equity in the reporting units is comprised of allocated capital plus capital plus capital for the portion of goodwill and intangibles specifically assigned to the reporting unit. For more information, including the definition of a reporting unit, see *Note 7 – Goodwill and Intangible Assets* to the Consolidated Financial Statements.

For more information on our presentation of financial information on an FTE basis, see Supplemental Financial Data on page 7, 5, and for reconciliations to consolidated total revenue, net income and period-end total assets, see *Note 17 – Business Segment Information* to the Consolidated Financial Statements.

Key Performance Indicators

We present certain key financial and nonfinancial performance indicators that management uses when evaluating segment results. We believe they are useful to investors because they provide additional information about our segments' operational performance, customer client trends and business growth.

Consumer Banking

Deposits

Deposits

Deposits

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions)

(Dollars in millions)

		Deposits		Consumer Lending		Total Consumer Banking		
		Three Months Ended September 30						
(Dollars in millions)	(Dollars in millions)	2023	2022	2023	2022	2023	2022	% Change
Net interest income	Net interest income	$ 5,571	$ 5,006	$ 2,820	$ 2,778	$ 8,391	$ 7,784	8 %
Noninterest income:	Noninterest income:							
Card income	Card income	(11)	(10)	1,336	1,341	1,325	1,331	—
Service charges	Service charges	605	597	—	—	605	597	1
All other income	All other income	116	141	35	51	151	192	(21)
Total noninterest income	Total noninterest income	710	728	1,371	1,392	2,081	2,120	(2)
Total revenue, net of interest expense	Total revenue, net of interest expense	6,281	5,734	4,191	4,170	10,472	9,904	6
Provision for credit losses	Provision for credit losses	128	173	1,269	565	1,397	738	89

	2024	2023	2024	2023	2024	2023	% Change	
Net interest income	$ 5,269	$ 5,816	$ 2,928	$ 2,777	$ 8,197	$ 8,593	(5)	(5) %

Card income

Card income

Provision for credit losses

Provision for credit losses

Provision for credit losses

Provision for credit losses

Provision for credit losses

Noninterest expense	Noninterest expense	3,240	3,141	2,016	1,956	5,256	5,097	3
Income before income taxes	Income before income taxes	2,913	2,420	906	1,649	3,819	4,069	(6)
Income tax expense	Income tax expense	729	593	226	404	955	997	(4)
Net income	**Net income**	**$ 2,184**	$ 1,827	**$ 680**	$ 1,245	**$ 2,864**	$ 3,072	(7)
Effective tax rate (1)	Effective tax rate (1)					**25.0 %**	24.5 %	

Effective tax rate (1)

Effective tax rate (1)

Effective tax rate (1)

Effective tax rate (1)

Effective tax rate (1)

Net interest yield

Net interest yield

Net interest yield	Net interest yield	**2.26 %**	1.87 %	**3.65 %**	3.76 %	**3.26 %**	2.79 %	
Return on average allocated capital	Return on average allocated capital	**63**	56	**10**	18	**27**	30	

Return on average allocated capital

Return on average allocated capital

Efficiency ratio

Efficiency ratio

Efficiency ratio	Efficiency ratio	**51.60**	54.78	**48.06**	46.92	**50.18**	51.47	
Balance Sheet	**Balance Sheet**							
		Three Months Ended September 30						

Balance Sheet

Average	**2023**	2022	**2023**	2022	**2023**	2022	% Change

Balance Sheet

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

Average

Average

Average	**2024**	2023	**2024**	2023	**2024**	2023	% Change

Total loans and leases	Total loans and leases	$ **4,139**	$ 4,153	$ **306,622**	$ 291,078	$ **310,761**	$ 295,231	5 %
Total earning assets (2)	Total earning assets (2)	**975,968**	1,064,585	**306,982**	293,366	**1,019,980**	1,106,513	(8)
Total assets (2)	Total assets (2)	**1,009,390**	1,096,911	**312,731**	300,374	**1,059,152**	1,145,846	(8)
Total deposits	Total deposits	**974,674**	1,063,075	**5,377**	6,018	**980,051**	1,069,093	(8)
Allocated capital	Allocated capital	**13,700**	13,000	**28,300**	27,000	**42,000**	40,000	5

Total loans and leases	$ **4,241**	$ 4,119	$	$	**308,797**	$ 299,653	$	$	**313,038**	$ 303,772	3	3 %

Period end

Period end

Period end	**March 31 2024**	December 31 2023	**March 31 2024**	December 31 2023	**March 31 2024**	December 31 2023	% Change
Total loans and leases	$ **4,260**	$ 4,218	$ **307,465**	$ 310,901	$ **311,725**	$ 315,119	(1) %
Total earning assets (2)							
Total assets (2)							
Total deposits							

(1) Estimated at the segment level only.

(2) In segments and businesses where the total of liabilities and equity exceeds assets, we allocate assets from *All Other* to match the segments' and businesses' liabilities and allocated shareholders' equity. As a result, total earning assets and total assets of the businesses may not equal total *Consumer Banking*.

n/m = not meaningful

(Dollars in millions)	Deposits 2023	Deposits 2022	Consumer Lending 2023	Consumer Lending 2022	Total Consumer Banking 2023	Total Consumer Banking 2022	% Change
	Nine Months Ended September 30						
Net interest income	$ **17,120**	$ 13,535	$ **8,301**	$ 8,016	$ **25,421**	$ 21,551	18 %
Noninterest income:							
Card income	**(31)**	(27)	**3,971**	3,863	**3,940**	3,836	3
Service charges	**1,727**	2,118	**2**	2	**1,729**	2,120	(18)
All other income	**490**	264	**122**	82	**612**	346	77
Total noninterest income	**2,186**	2,355	**4,095**	3,947	**6,281**	6,302	—
Total revenue, net of interest expense	**19,306**	15,890	**12,396**	11,963	**31,702**	27,853	14
Provision for credit losses	**414**	388	**3,339**	648	**3,753**	1,036	n/m
Noninterest expense	**10,082**	9,204	**6,100**	5,773	**16,182**	14,977	8
Income before income taxes	**8,810**	6,298	**2,957**	5,542	**11,767**	11,840	(1)
Income tax expense	**2,203**	1,543	**739**	1,358	**2,942**	2,901	1
Net income	$ **6,607**	$ 4,755	$ **2,218**	$ 4,184	$ **8,825**	$ 8,939	(1)
Effective tax rate (1)					**25.0 %**	24.5 %	
Net interest yield	**2.29 %**	1.70 %	**3.66 %**	3.73 %	**3.26**	2.61	

Return on average allocated capital	**64**	49	**11**	21	**28**	30	
Efficiency ratio	**52.23**	57.92	**49.21**	48.26	**51.05**	53.77	

Balance Sheet

	Nine Months Ended September 30						
Average	**2023**	2022	**2023**	2022	**2023**	2022	% Change
Total loans and leases	**$ 4,113**	$ 4,171	**$ 302,978**	$ 285,501	**$ 307,091**	$ 289,672	6 %
Total earning assets (2)	**1,000,143**	1,062,668	**303,266**	287,422	**1,043,476**	1,104,653	(6)
Total assets (2)	**1,033,618**	1,095,830	**309,435**	294,193	**1,083,120**	1,144,587	(5)
Total deposits	**998,947**	1,061,876	**5,094**	5,909	**1,004,041**	1,067,785	(6)
Allocated capital	**13,700**	13,000	**28,300**	27,000	**42,000**	40,000	5

	September 30	December 31	**September 30**	December 31	**September 30**	December 31	
Period end	**2023**	2022	**2023**	2022	**2023**	2022	% Change
Total loans and leases	**$ 4,165**	$ 4,148	**$ 309,051**	$ 300,613	**$ 313,216**	$ 304,761	3 %
Total earning assets (2)	**978,133**	1,043,049	**309,527**	300,787	**1,023,162**	1,085,079	(6)
Total assets (2)	**1,010,771**	1,077,203	**315,765**	308,007	**1,062,038**	1,126,453	(6)
Total deposits	**976,007**	1,043,194	**6,295**	5,605	**982,302**	1,048,799	(6)

See page 11 for footnotes.

Consumer Banking, comprised of Deposits and Consumer Lending, offers a diversified range of credit, banking and investment products and services to consumers and small businesses. For more information about *Consumer Banking*, see Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Consumer Banking Results

Three-Month Comparison

Net income for *Consumer Banking* decreased $208 million $452 million to $2.9 billion$2.7 billion for the three months ended March 31, 2024 compared to the same period in 2023 largely due to an increase in provision for credit losses and higher noninterest expense, partially offset by higher lower revenue. Net interest income increased $607 milliondecreased $396 million to $8.4 billion $8.2 billion primarily driven by lower deposit balances, partially offset by higher interest rates and loan balances. Noninterest income decreased $39 million $144 million to $2.1 billion $2.0 billion primarily driven by lower other income

driven by the allocation of asset and liability management (ALM) results.

The provision for credit losses increased $61 million to $1.2 billion primarily driven by credit card asset quality. Noninterest expense was $5.5 billion, relatively unchanged from the same period a year ago.

The provision for credit losses increased $659 million to $1.4 billion primarily driven by credit card loan growth and asset quality.

Noninterest expense increased $159 million to $5.3 billion primarily driven by higher FDIC expense.

The return on average allocated capital was 2725 percent, down from 30 percent,, due to an increase in allocated capital

and lower net income. For more information on capital allocated to the business segments, see Business Segment Operations on page 11. 8.

Nine-Month Comparison Deposits

Net income for Consumer Banking Deposits decreased $114 389 million to $8.8 billion due to an increase in provision for credit losses and higher noninterest expense, partially offset by higher revenue. Net interest income increased $3.9 billion to $25.4 1.9 billion primarily due to the same factors as described in the three-month discussion. lower revenue. Net interest income decreased $547 million to $5.3 billion primarily driven by lower deposit balances. Noninterest income decreased $21 116 million to $6.3 669 million primarily due to lower other income driven by the allocation of ALM results.

Noninterest expense decreased $37 million to $3.4 billion,relatively unchanged from the same period a year ago.

The provision for credit losses increased $2.7 billion to $3.8 billionprimarily driven by credit card loan growth and asset quality, whereas the prior-year period benefited from reduced COVID-19 pandemic uncertainties ago. Noninterest expense increased $1.2 billion to $16.2 billion primarily due to continued investments in the business, including people and technology, higher litigation expense, including consumer regulatory matters, and higher FDIC expense.

The return on average allocated capital was 28 percent, down from 30 percent, primarily due an increase in allocated capital.

Deposits

Three-Month Comparison

Net income for Deposits increased $357 million to $2.2 billion primarily due to higher revenue, partially offset by higher noninterest expense. Net interest income increased $565 million to $5.6 billion primarily due to higher interest rates. Noninterest income decreased $18 million to $710 million, relatively unchanged from the same period a year ago.

Noninterest expense increased $99 million to $3.2 billion primarily driven by higher FDIC expense.

Average deposits decreased $88.4 billion $73.5 billion to $974.7 billion $947.8 billion primarily due to net outflows of $68.4 billion $73.7 billion in money market savings and $36.2 billion $32.1 billion in checking, partially offset by growth in time deposits of $25.8 billion $43.5 billion. The change in average deposits was primarily due to higher interest rates and client activity.

Nine-Month Comparison

Net income for Deposits increased $1.9 billion to $6.6 billion primarily due to higher revenue, partially offset by higher noninterest expense. Net interest income increased $3.6 billion to $17.1 billion primarily due to the same factor as described in the three-month discussion. Noninterest income decreased $169 million to $2.2 billion primarily due to the impact of non-sufficient funds and overdraft policy changes. Noninterest expense increased $878 million to $10.1 billion primarily driven by continued investments in the business, including people and technology, higher litigation expense, including consumer regulatory matters, and higher FDIC expense.

Average deposits decreased $62.9 billion to $998.9 billion primarily due to net outflows of $42.9 billion in money market savings and $25.9 billion in checking, partially offset by growth in time deposits of $13.7 billion. The change in average deposits was primarily driven by the same factors as described in the three-month discussion.

The table below provides key performance indicators for Deposits. Management uses these metrics, and we believe they are useful to investors because they provide additional information to evaluate our deposit profitability and digital/ mobile trends.

Key Statistics – Deposits

Key Statistics – Deposits

Key Statistics – Deposits

Key Statistics – Deposits

Key Statistics – Deposits	Three Months Ended September 30		Nine Months Ended September 30	
	2023	2022	**2023**	2022
Total deposit spreads (excludes noninterest costs) (1)	**2.76%**	1.88%	**2.66%**	1.74%
Period end				
Consumer investment assets (in millions) (2)	**$ 387,467**	$ 302,413		

Three Months Ended March 31

Three Months Ended March 31

	Three Months Ended March 31	
	2024	2023
Total deposit spreads (excludes noninterest costs) (1)	**2.69%**	2.54%
Period end		
Consumer investment assets (in millions) (2)	**$ 456,391**	$ 354,892

Total deposit spreads (excludes noninterest costs) (1)

Period end

Period end

Period end

Consumer investment assets (in millions) (2)

Consumer investment assets (in millions) (2)

Consumer investment assets (in millions) (2)

Active digital banking users (in thousands) (3)	Active digital banking users (in thousands) (3)	**45,797**	43,496	Active digital banking users (in thousands) (3)	**47,079**	44,962
Active mobile banking users (in thousands) (4)	Active mobile banking users (in thousands) (4)	**37,487**	34,922	Active mobile banking users (in thousands) (4)	**38,544**	36,322
Financial centers	Financial centers	**3,862**	3,932	Financial centers	**3,804**	3,892
ATMs	ATMs	**15,253**	15,572	ATMs	**15,028**	15,407

(1) Includes deposits held in Consumer Lending.

(2) Includes client brokerage assets, deposit sweep balances, Bank of America, N.A. brokered CDs and AUM in *Consumer Banking*.

(3) Represents mobile and/or online active users over the past 90 days.

(4) Represents mobile active users over the past 90 days.

Consumer investment assets increased $85.1 billion $101.5 billion to $387.5 billion $456.4 billion driven by market performance and positive net client flows and market performance. flows. Active mobile banking users increased approximately three two million, reflecting continuing changes in our clients' banking preferences. We had a net decrease of 70 88 financial centers and 319 379 ATMs as we continue to optimize our consumer banking network.

Consumer Lending

Three-Month Comparison

Net income for Consumer Lending decreased $565 million to $680 million primarily due to an increase in provision for credit losses. Net interest income increased $42 million to $2.8 billion, relatively unchanged from the same period a year ago. Noninterest income decreased $21 million to $1.4 billion, relatively unchanged from the same period a year ago.

The provision for credit losses increased $704 million to $1.3 billion primarily driven by credit card loan growth and asset quality. Noninterest expense increased $60 million to $2.0 billion, relatively unchanged from the same period a year ago.

Average loans increased $15.5 billion to $306.6 billion primarily driven by an increase in credit card loans.

Nine-Month Comparison

Net income for Consumer Lending decreased $2.0 billion 63 million to $2.2 billion 793 million primarily due to an increase in provision for credit losses. losses, partially offset by higher revenue. Net interest income increased $285 million$151 million to $8.3 billion$2.9 billion primarily due to higher loan balances. Noninterest income increased decreased $148 28 million to $4.1 1.3 billion primarily due to higher card income. , relatively unchanged from the same period a year ago.

The provision for credit losses increased $2.7 billion 168 million to $3.3 1.1 billion primarily driven by credit card loan growth and asset quality whereas the prior-year period benefited from reduced COVID-19 pandemic uncertainties. Noninterest expense increased $327 39 million to $6.1 2.1 billion, primarily driven by continued investments in relatively unchanged from the business. same period a year ago.

Average loans increased $17.5 9.1 billion to $303.0 308.8 billion primarily driven by the same factor as described an increase in the three-month discussion. credit card loans.

The table below provides key performance indicators for Consumer Lending. Management uses these metrics, and we believe they are useful to investors because they provide additional information about loan growth and profitability.

Key Statistics – Consumer Lending

Key Statistics – Consumer Lending		
	Three Months Ended September 30	**Nine Months Ended September 30**

Key Statistics – Consumer Lending	
	Three Months Ended March 31
	Three Months Ended March 31

		Three Months Ended March 31								
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022	(Dollars in millions)	**2024**		2023	
Total credit card (1)	**Total credit card (1)**									
Gross interest yield (2)										
Gross interest yield (2)										
Gross interest yield (2)	Gross interest yield (2)	**12.03 %**	10.71 %	**11.85 %**	10.14 %		**12.24**	**%**	11.85	%
Risk-adjusted margin (3)	Risk-adjusted margin (3)	**7.70**	10.07	**8.06**	10.13					
New accounts (in thousands)	New accounts (in thousands)	**1,062**	1,256	**3,386**	3,301					
Purchase volumes	Purchase volumes	**$ 91,711**	$ 91,064	**$270,358**	$263,788					
Debit card purchase volumes	**Debit card purchase volumes**	**$133,553**	$127,135	**$390,891**	$373,426					

(1) Includes *GWIM's* credit card portfolio.

(2) Calculated as the effective annual percentage rate divided by average loans.

(3) Calculated as the difference between total revenue, net of interest expense, and net credit losses divided by average loans.

During the three and nine months ended September 30, 2023 March 31, 2024, the total risk-adjusted margin decreased 237 188 bps and 207 bps compared to the same period in 2023 primarily driven by higher net credit losses, lower net interest margin fee income and lower fee income. During the three and nine months ended September 30, 2023 total interest margin. Total credit card purchase volumes increased $647 million and $6.6 billion, $1.5 billion to $87.0 billion and debit card purchase volumes increased $6.4 billion and $17.5 billion $8.0 billion to $132.4 billion, reflecting higher levels of consumer spending.

Key Statistics – Loan Production (1)

Key Statistics – Loan Production (1)

		Three Months Ended September 30		Nine Months Ended September 30				
		Key Statistics – Loan Production (1)						
		Three Months Ended March 31						
		Three Months Ended March 31						
		Three Months Ended March 31						
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022	(Dollars in millions)	**2024**	2023
Consumer Banking:	*Consumer Banking:*							
First mortgage								
First mortgage								
First mortgage	First mortgage	**$2,547**	$4,028	**$ 7,392**	$18,695			
Home equity	Home equity	**2,035**	1,999	**6,389**	5,875			
Total (2):	Total (2):							

First mortgage	First mortgage	**$5,596**	$8,724	**$15,473**	$39,548
First mortgage					
First mortgage					
Home equity	Home equity	**2,421**	2,420	**7,559**	6,995

(1) The loan production amounts represent the unpaid principal balance of loans and, in the case of home equity, the principal amount of the total line of credit.

(2) In addition to loan production in *Consumer Banking*, there is also first mortgage and home equity loan production in *GWIM*.

First mortgage loan originations for *Consumer Banking* and the total Corporation decreased $1.5 billion $268 million and $3.1 billion $494 million during the three months ended September 30, 2023 primarily driven by higher interest rates, resulting March 31, 2024 compared to the same period in lower customer demand. During the nine months ended September 30, 2023, first mortgage loan originations for *Consumer Banking* and the total Corporation decreased $11.3 billion and $24.1 billion 2023 primarily driven by lower demand.

Home equity production in *Consumer Banking* and the total Corporation remained relatively unchanged decreased $583 million and $705 million during the three months ended September 30, 2023 compared to the same period a year ago. During the nine months ended September 30, 2023, *Consumer Banking* and the total Corporation increased $514 million and $564 million March 31, 2024 primarily driven by higher lower demand.

Global Wealth & Investment Management

		Three Months Ended March 31								
		Three Months Ended September 30			Nine Months Ended September 30					
		Three Months Ended March 31								
		Three Months Ended March 31								
(Dollars in millions)										
(Dollars in millions)										
(Dollars in millions)	(Dollars in millions)	**2023**	2022	% Change	**2023**	2022	% Change	**2024**	2023	% Change
Net interest income	Net interest income	**$ 1,755**	$ 1,981	(11) %	**$ 5,436**	$ 5,451	— %	Net interest income **$ 1,814**	$ 1,876	(3) (3) %
Noninterest income:	Noninterest income:									
Investment and brokerage services										
Investment and brokerage services										
Investment and brokerage services	Investment and brokerage services	**3,396**	3,255	4	**9,885**	10,395	(5)			
All other income	All other income	**170**	193	(12)	**557**	492	13			

Total noninterest income	Total noninterest income	**3,566**	3,448	3	**10,442**	10,887	(4)					
Total revenue, net of interest expense	Total revenue, net of interest expense	**5,321**	5,429	(2)	**15,878**	16,338	(3)					
Provision for credit losses												
Provision for credit losses												
Provision for credit losses												
Provision for credit losses												
Provision for credit losses												
Provision for credit losses	Provision for credit losses	**(6)**	37	(116)	**32**	29	10	**(13)**	25	25	n/m	n/m
Noninterest expense	Noninterest expense	**3,950**	3,816	4	**11,942**	11,706	2					
Income before income taxes	Income before income taxes	**1,377**	1,576	(13)	**3,904**	4,603	(15)					
Income tax expense	Income tax expense	**344**	386	(11)	**976**	1,128	(13)					
Net income	**Net income**	**$ 1,033**	$ 1,190	(13)	**$ 2,928**	$ 3,475	(16)					
Effective tax rate	Effective tax rate	**25.0 %**	24.5 %		**25.0 %**	24.5 %						
Effective tax rate												
Effective tax rate												
Effective tax rate												
Effective tax rate												
Effective tax rate												
Net interest yield												
Net interest yield												
Net interest yield	Net interest yield	**2.16**	2.12		**2.19**	1.84						
Return on average allocated capital	Return on average allocated capital	**22**	27		**21**	27						
Return on average allocated capital												
Return on average allocated capital												
Efficiency ratio												
Efficiency ratio												
Efficiency ratio	Efficiency ratio	**74.28**	70.28		**75.21**	71.65						
Balance Sheet	**Balance Sheet**											
		Three Months Ended September 30			**Nine Months Ended September 30**							
Balance Sheet												
Balance Sheet												

Three Months Ended
March 31

Three Months Ended
March 31

Three Months Ended
March 31

Average

Average

Average	Average	2023	2022	% Change	2023	2022	% Change		2024		2023		% Change	
Total loans and leases	Total loans and leases	$218,569	$223,734	(2)%	$219,530	$218,030	1 %	Total loans and leases	$ 218,616	$	$ 221,448	(1)	(1)	%
Total earning assets	Total earning assets	322,032	370,733	(13)	331,738	395,023	(16)							
Total assets	Total assets	335,124	383,468	(13)	344,709	407,819	(15)							
Total deposits	Total deposits	291,770	339,487	(14)	300,308	362,611	(17)							
Allocated capital	Allocated capital	18,500	17,500	6	18,500	17,500	6							

Period end	Period end	September 30 2023	December 31 2022	% Change		March 31 2024		December 31 2023		% Change	
Total loans and leases	Total loans and leases	$218,913	$223,910	(2) %	$ 219,844	$	$ 219,657	—	—	%	
Total earning assets	Total earning assets	320,196	355,461	(10)							
Total assets	Total assets	333,779	368,893	(10)							
Total deposits	Total deposits	290,732	323,899	(10)							

Period end

Period end

Period end

Period end

Total loans and leases

Total loans and leases

n/m = not meaningful

GWIM consists of two primary businesses: Merrill Wealth Management and Bank of America Private Bank. For more information about *GWIM*, see Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K. 10-K

***Three-Month Comparison*.**

Net income for *GWIM* decreased $157 million increased $88 million to $1.0 billion for the three months ended March 31, 2024 compared to the same period in 2023 primarily due to higher revenue, partially offset by higher noninterest expense and lower revenue. expense. The operating margin was 26 24 percent compared to 29 23 percent a year ago.

Net interest income decreased $226 million $62 million to $1.8 billion primarily driven by an increase in the deposit rate paid and lower average deposit balances and a mix shift to higher yielding deposit products. balances.

Noninterest income, which primarily includes investment and brokerage services income, increased $118 million $338 million to $3.6 billion $3.8 billion. The increase was primarily driven by higher asset management fees due to higher average equity market levels valuations and the impact of positive AUM flows, partially offset by the impact of lower brokerage fees. AUM pricing.

Noninterest expense increased $134 million $197 million to $4.0 billion $4.3 billion primarily due to continued investments in the business, including strategic hiring, as well as higher FDIC expense. revenue-related incentives.

The return on average allocated capital was 22 percent, down up from 27 20 percent, due to lower higher net income and, income. For more information on capital allocated to a lesser extent, a small increase in allocated capital. the business segments, see Business Segment Operations on page 8.

Average loans of $218.6 billion remained relatively unchanged compared to the same period in 2023. Average deposits decreased $5.2 billion $16.6 billion to $218.6 billion $297.4 billion primarily driven by securities-based lending and custom lending, partially offset by residential mortgage. Average deposits decreased $47.7 billion to $291.8 billion primarily driven by

clients moving deposits to higher yielding investment cash alternatives, including offerings on our investment and brokerage platforms.

Merrill Wealth Management revenue of $4.4 billion decreased $4.6 billion increased six percent primarily driven by higher asset management fees due to higher average equity market valuations and positive AUM flows, partially offset by the impact of lower AUM pricing.

Bank of America Private Bank revenue of $944 million increased three percent primarily driven by lower net interest income from lower deposit balances and a mix shift to higher yielding deposit products, as well as lower brokerage fees, partially offset by higher asset management fees from due to higher average market levels valuations and the impact of positive AUM flows.

Bank of America Private Bank revenue of $923 million increased two percent primarily driven by higher asset management fees from higher market levels and the impact of positive AUM flows.

Nine-Month Comparison

Net income for *GWIM* decreased $547 million to $2.9 billion primarily due to lower revenue and higher noninterest expense. The operating margin was 25 percent compared to 28 percent a year ago.

Net interest income was $5.4 billion, relatively unchanged from the same period a year ago.

Noninterest income, which primarily includes investment and brokerage services income, decreased $445 million to $10.4 billion primarily driven by lower asset management fees and brokerage fees due to lower average equity and fixed income market levels and transactional volumes, partially offset by the impact of positive AUM flows.

Noninterest expense increased $236 million to $11.9 billion due to continued investments in the business, including

strategic hiring, as well as higher FDIC expense, partially offset by lower revenue-related incentives.

The return on average allocated capital was 21 percent, down from 27 percent, due to lower net income and, to a lesser extent, a small increase in allocated capital.

Average loans increased $1.5 billion to $219.5 billion primarily driven by residential mortgage and custom lending, mostly offset by securities-based lending. Average deposits decreased $62.3 billion to $300.3 billion due to the same factors as described in the three-month discussion.

Merrill Wealth Management revenue of $13.1 billion decreased four percent primarily driven by lower asset management fees and brokerage fees due to lower average equity and fixed income market levels and transactional volumes, partially offset by the impact of positive AUM flows.

Bank of America Private Bank revenue of $2.7 billion increased two percent primarily driven by the same factors as described in the three-month discussion, as well as higher net interest income due to higher interest rates.

Key Indicators and Metrics

Key Indicators and Metrics

Key Indicators and Metrics

Key Indicators and Metrics

(Dollars in millions)	Three Months Ended September 30		Nine Months Ended September 30	
	2023	2022	**2023**	2022
Revenue by Business				
Merrill Wealth Management	**$ 4,398**	$ 4,524	**$ 13,135**	$ 13,649
Bank of America Private Bank	**923**	905	**2,743**	2,689
Total revenue, net of interest expense	**$ 5,321**	$ 5,429	**$ 15,878**	$ 16,338
Client Balances by Business, at period end				
Merrill Wealth Management			**$ 2,978,229**	$ 2,710,985
Bank of America Private Bank			**572,624**	537,771
Total client balances			**$ 3,550,853**	$ 3,248,756
Client Balances by Type, at period end				

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions) (Dollars in millions) **2024** 2023

Revenue by Business

Merrill Wealth Management

Merrill Wealth Management

Total revenue, net of interest expense

Total revenue, net of interest expense

Client Balances by Business, at period end

Client Balances by Business, at period end

Merrill Wealth Management

Merrill Wealth Management

Total client balances

Total client balances

Client Balances by Type, at period end

Client Balances by Type, at period end

Assets under management

Assets under management

Assets under management	Assets under management			**$ 1,496,601**	$ 1,329,557
Brokerage and other assets	Brokerage and other assets			**1,578,123**	1,413,946
Deposits	Deposits			**290,732**	324,859
Deposits					
Deposits					
Loans and leases (1)	Loans and leases (1)			**221,684**	228,129
Less: Managed deposits in assets under management	Less: Managed deposits in assets under management			**(36,287)**	(47,735)
Total client balances	**Total client balances**			**$ 3,550,853**	$ 3,248,756
Assets Under Management Rollforward	**Assets Under Management Rollforward**				
Assets Under Management Rollforward					
Assets Under Management Rollforward					
Assets under management, beginning of period					
Assets under management, beginning of period					
Assets under management, beginning of period	Assets under management, beginning of period	**$ 1,531,042**	$ 1,411,344	**$ 1,401,474**	$ 1,638,782
Net client flows	Net client flows	**14,226**	4,110	**43,784**	20,680
Net client flows					
Net client flows					
Market valuation/other	Market valuation/other	**(48,667)**	(85,897)	**51,343**	(329,905)
Total assets under management, end of period	**Total assets under management, end of period**	**$ 1,496,601**	$ 1,329,557	**$ 1,496,601**	$ 1,329,557
Total wealth advisors, at period end (2)				**19,130**	18,841

(1) Includes margin receivables which are classified in customer and other receivables on the Consolidated Balance Sheet.

(2) Includes advisors across all wealth management businesses in *GWIM* and *Consumer Banking.*

Client Balances

Client balances increased $302.1 billion $451.8 billion, or nine 13 percent, to $3.6 trillion $4.0 trillion at September 30, 2023 March 31, 2024 compared to September 30, 2022 March 31, 2023. The increase in client balances was primarily due to the impact of higher end-of-period market valuations and positive net client flows.

Global Banking

Three Months Ended
March 31

Three Months Ended
March 31

Three Months Ended
March 31

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Three Months Ended September 30			Nine Months Ended September 30		
		2023	2022	% Change	2023	2022	% Change
Net interest income	Net interest income	$ 3,613	$ 3,326	9 %	$ 11,210	$ 8,304	35 %

Net interest income

Net interest income

Noninterest income:

Noninterest income:

Noninterest income:	Noninterest income:						
Service charges	Service charges	754	771	(2)	2,203	2,590	(15)

Service charges

Service charges

Investment banking fees

Investment banking fees

Investment banking fees	Investment banking fees	743	726	2	2,129	2,298	(7)
All other income	All other income	1,093	768	42	3,326	2,599	28

All other income

All other income

Total noninterest income	Total noninterest income	2,590	2,265	14	7,658	7,487	2

Total noninterest income

Total noninterest income

Total revenue, net of interest expense

Total revenue, net of interest expense

Total revenue, net of interest expense	Total revenue, net of interest expense	6,203	5,591	11	18,868	15,791	19
Provision for credit losses	Provision for credit losses	(119)	170	n/m	(347)	492	n/m

Provision for credit losses

Provision for credit losses

Noninterest expense

Noninterest expense

Noninterest expense	Noninterest expense	2,804		2,651	6	8,563	8,133	5
Income before income taxes	Income before income taxes	3,518		2,770	27	10,652	7,166	49
Income before income taxes								
Income before income taxes								
Income tax expense	Income tax expense	950		734	29	2,876	1,899	51
Income tax expense								
Income tax expense								
Net income								
Net income								
Net income	**Net income**	$	**2,568**	$ 2,036	26	$ **7,776**	$ 5,267	48
Effective tax rate	Effective tax rate	**27.0 %**		26.5 %		**27.0 %**	26.5 %	
Effective tax rate								
Effective tax rate								
Net interest yield								
Net interest yield								
Net interest yield	Net interest yield	**2.68**		2.53		**2.84**	2.05	
Return on average allocated capital	Return on average allocated capital	**21**		18		**21**	16	
Return on average allocated capital								
Return on average allocated capital								
Efficiency ratio								
Efficiency ratio								
Efficiency ratio	Efficiency ratio	**45.22**		47.41		**45.38**	51.50	
Balance Sheet	**Balance Sheet**							
Balance Sheet								
		Three Months Ended September 30				**Nine Months Ended September 30**		
Balance Sheet								
		Three Months Ended March 31						
		Three Months Ended March 31						

		Three Months Ended March 31					
Average	**Average**	**2023**	2022	% Change	**2023**	2022	% Change
Average							
Average							
Total loans and leases							
Total loans and leases							
Total loans and leases	Total loans and leases	**$376,214**	$384,305	(2) %	**$380,076**	$373,547	2 %
Total earning assets	Total earning assets	**534,153**	521,555	2	**528,205**	541,670	(2)
Total earning assets							
Total earning assets							
Total assets							
Total assets							
Total assets	Total assets	**601,378**	585,683	3	**595,329**	605,884	(2)
Total deposits	Total deposits	**504,432**	495,154	2	**498,224**	514,612	(3)
Total deposits							
Total deposits							
Allocated capital							
Allocated capital							
Allocated capital	Allocated capital	**49,250**	44,500	11	**49,250**	44,500	11
Period end	**Period end**				**September 30 2023**	December 31 2022	% Change
Period end							
Period end							
Total loans and leases							
Total loans and leases							
Total loans and leases	Total loans and leases				**$373,351**	$379,107	(2) %
Total earning assets	Total earning assets				**521,423**	522,539	—
Total earning assets							
Total earning assets							
Total assets	Total assets				**588,578**	588,466	—
Total assets							
Total assets							
Total deposits							
Total deposits							
Total deposits	Total deposits				**494,938**	498,661	(1)

n/m = not meaningful

Global Banking, which includes Global Corporate Banking, Global Commercial Banking, Business Banking and Global Investment Banking, provides a wide range of lending-related products and services, integrated working capital management and treasury solutions, and underwriting and advisory services through our network of global offices and client relationship teams. For more information about *Global Banking, s*ee Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Three-Month Comparison

Net income for *Global Bankin Banking*g increased $532 million decreased $569 million to $2.6 billion $2.0 billion for the three months ended March 31, 2024 compared to the same period in 2023 driven by higher revenue and lower provision for credit losses, partially offset by lower revenue and higher noninterest expense.

Net interest income increased $287 million decreased $447 million to $3.6 billion predominantly $3.5 billion primarily due to the impact of interest rates, partially offset by the benefit of higher interest rates. average deposit balances.

Noninterest income increased $325 million $224 million to $2.6 billion $2.5 billion driven by higher revenue from ESG investment activities banking fees and negative valuation adjustments on leveraged loans in the prior-year period. higher treasury service charges.

The return on average allocated capital was 21 16 percent, up down from 18 21 percent, due to higher lower net income, partially offset by higher allocated capital. income. For more information on capital allocated to the business segments, see Business Segment Operations on page 11. 8.

Nine-Month Comparison

Net income for *Global Banking* increased $2.5 billion to $7.8 billion driven by higher revenue and lower provision for credit losses, partially offset by higher noninterest expense.

Net interest income increased $2.9 billion to $11.2 billion due to the same factor as described in the three-month discussion.

Noninterest income increased $171 million to $7.7 billion driven by higher revenue from ESG investment activities and negative valuation adjustments on leveraged loans in the prior-year period, partially offset by lower treasury service charges and lower investment banking fees.

The provision for credit losses improved $839 million to a benefit of $347 million primarily due to the same factors as described in the three-month discussion. In addition, the prior-year period was impacted by a reserve build related to Russian exposure.

Noninterest expense increased $430 million to $8.6 billion, primarily due to continued investments in the business,

The provision for credit losses improved $289 million increased $466 million to a benefit of $119 million $229 million primarily driven by a reserve release due to net loan paydowns and an improved macroeconomic outlook commercial real estate office exposure in the current-year period compared to a reserve build benefit in the prior-year period due to a dampened certain improved macroeconomic outlook. conditions.

Noninterest expense increased $153 million $72 million to $2.8 billion, $3.0 billion primarily due to continued investments in the business, including people, and higher FDIC expense. technology.

including technology and strategic hiring in 2022, and higher FDIC expense, partially offset by expenses recognized for certain regulatory matters in the prior-year period.

The return on average allocated capital was 21 percent, up from 16 percent, due to higher net income, partially offset by higher allocated capital.

Global Corporate, Global Commercial and Business Banking

The following table and discussion present a summary of the results, which exclude certain investment banking and Paycheck Protection Program (PPP) other activities in *Global Banking*.

Global Corporate, Global Commercial and Business Banking

	Global Corporate Banking		Global Commercial Banking		Business Banking		Total	
	Three Months Ended September 30							
(Dollars in millions)	**2023**	2022	**2023**	2022	**2023**	2022	**2023**	2022
Revenue								
Business Lending	**$ 1,300**	$ 902	**$ 1,262**	$ 1,111	**$ 61**	$ 66	**$ 2,623**	$ 2,079
Global Transaction Services	**1,392**	1,369	**998**	1,112	**379**	322	**2,769**	2,803
Total revenue, net of interest expense	**$ 2,692**	$ 2,271	**$ 2,260**	$ 2,223	**$ 440**	$ 388	**$ 5,392**	$ 4,882

Global Corporate, Global Commercial and Business Banking

	Global Corporate Banking		Global Commercial Banking		Business Banking		Total	
Balance Sheet	Three Months Ended March 31							
Average (Dollars in millions)	**2024**	2023	**2024**	2023	**2024**	2023	**2024**	2023
Total loans and leases	**$ 169,384**	$ 177,166	**$ 194,604**	$ 193,828	**$ 12,071**	$ 12,697	**$ 376,059**	$ 383,691
Revenue								
Total deposits	**272,007**	241,289	**182,040**	198,479	**50,381**	55,386	**504,428**	495,154
Business Lending	**$ 1,065**	$ 1,034	**$ 1,280**	$ 1,233	**$ 59**	$ 67	**$ 2,404**	$ 2,334
Global Transaction Services	**1,335**	1,549	**970**	1,129	**361**	387	**2,666**	3,065
	~~Global Corporate Banking~~		~~Global Commercial Banking~~		~~Business Banking~~		~~Total~~	
Total revenue, net of interest expense	**$ 2,400**	$ 2,583	**$ 2,250**	$ 2,362	**$ 420**	$ 454	**$ 5,070**	$ 5,399

Balance Sheet	Nine Months Ended September 30							
(Dollars in millions)	2023	2022	2023	2022	2023	2022	2023	2022
Average / **Revenue**								
Total loans and leases / Business Lending	$ 165,040 / $ 3,693	$ 175,293 / $ 2,908	$ 196,276 / $ 3,765	$ 192,796 / $ 3,128	$ 12,132 / $ 191	$ 12,618 / $ 186	$ 373,448 / $ 7,649	$ 380,707 / $ 6,222
Total deposits / Global Transaction Services	290,392 / 4,424	259,177 / 3,456	185,727 / 3,172	182,614 / 2,981	49,578 / 1,161	50,795 / 835	525,697 / 8,757	492,586 / 7,272
Period end / **Total revenue, net of interest expense**	$ 8,117	$ 6,364	$ 6,937	$ 6,109	$ 1,352	$ 1,021	$ 16,406	$ 13,494
Total loans and leases	$ 164,161	$ 175,777	$ 196,850	$ 194,889	$ 12,262	$ 12,580	$ 373,273	$ 383,246
Balance Sheet								
Total deposits	291,066	263,131	186,051	181,315	49,992	51,511	527,109	495,957

Average

Business Lending revenue increased $544 million $70 million for the three months ended September 30, 2023 March 31, 2024 compared to the same period in 2022 2023 primarily driven by higher interest rates tax credit activity in affordable housing and higher revenue from ESG investment activities. Business Lending revenue increased $1.4 billion for the nine months ended September 30, 2023 compared to the same period in 2022 primarily driven by higher interest rates, higher revenue from ESG investment activities and the impact of higher average loan balances. renewable energy.

Global Transaction Services revenue decreased $34 million to $2.8 billion $399 million for the three months ended September 30, 2023, relatively unchanged from the same period a year ago. Global Transaction Services revenue increased $1.5 billion for the nine months ended September 30, 2023 March 31, 2024 primarily driven by higher the impact of interest rates, partially offset by lower the benefit of higher average deposit balances and higher treasury service charges and the impact of lower average deposit balances. charges.

Average loans and leases decreased two percent for the three months ended September 30, 2023 March 31, 2024 due to paydowns and increased two percent for the nine months ended September 30, 2023 due to lower client demand. Average deposits increased two seven percent for the three months ended September 30, 2023 due to growth in both domestic and international growth and decreased three percent for the nine months ended September 30, 2023 due to declines in domestic balances.

Global Investment Banking

Client teams and product specialists underwrite and distribute debt, equity and loan products, and provide advisory services and tailored risk management solutions. The economics of certain investment banking and underwriting activities are shared primarily between *Global Banking* and *Global Markets* under an internal revenue-sharing arrangement. *Global Banking* originates certain deal-related transactions with our corporate and commercial clients that are executed and distributed by *Global Markets*. To provide a complete discussion of our consolidated investment banking fees, the following table below presents total Corporation investment banking fees and the portion attributable to *Global Banking.*

Investment Banking Fees

	Global Banking		Total Corporation	
	Three Months Ended March 31			
(Dollars in millions)	2024	2023	2024	2023
Products				
Advisory	$ 317	$ 313	$ 373	$ 363
Debt issuance	383	290	885	644
Equity issuance	150	65	363	168
Gross investment banking fees	850	668	1,621	1,175
Self-led deals	(13)	(4)	(53)	(12)
Total investment banking fees	$ 837	$ 664	$ 1,568	$ 1,163

Gross investment banking fees	743	726	1,250	1,204	2,129	2,298	3,687	3,926
Self-led deals	(19)	(17)	(62)	(37)	(39)	(74)	(124)	(174)
Total investment banking fees	$ 724	$ 709	$ 1,188	$ 1,167	$ 2,090	$ 2,224	$ 3,563	$ 3,752

Total Corporation investment banking fees of $1.6 billion, which exclude self-led deals and are primarily included within *Global Banking* and *Global Markets*, were $1.2 billion and $3.6 billion increased 35 percent for the three and nine months ended September 30, 2023. The three-month period increased two percent March 31, 2024 compared to the same period in 2022 2023. The increase was primarily due to higher equity issuance debt and advisory fees, partially offset by lower debt issuance fees. The nine-month period decreased five percent compared to the same period in 2022 primarily due to lower debt issuance and advisory fees, partially offset by higher equity issuance fees.

Global Markets

	Three Months Ended September 30	Nine Months Ended September 30

(Dollars in millions)	2023	2022	% Change	2023	2022	% Change
Net interest income	**$ 674**	$ 743	(9)%	**$ 1,080**	$ 2,717	(60)%
Noninterest income:						
Investment and brokerage services	**475**	457	4	**1,507**	1,520	(1)
Investment banking fees	**463**	430	8	**1,435**	1,473	(3)
Market making and similar activities	**3,195**	2,874	11	**11,002**	8,721	26
All other income	**135**	(21)	n/m	**415**	(154)	n/m
Total noninterest income	**4,268**	3,740	14	**14,359**	11,560	24
Total revenue, net of interest expense	**4,942**	4,483	10	**15,439**	14,277	8
Provision for credit losses	**(14)**	11	n/m	**(71)**	24	n/m
Noninterest expense	**3,235**	3,023	7	**9,935**	9,249	7
Income before income taxes	**1,721**	1,449	19	**5,575**	5,004	11
Income tax expense	**473**	384	23	**1,533**	1,326	16
Net income	**$ 1,248**	$ 1,065	17	**$ 4,042**	$ 3,678	10
Effective tax rate	**27.5 %**	26.5 %		**27.5 %**	26.5 %	
Return on average allocated capital	**11**	10		**12**	12	
Efficiency ratio	**65.47**	67.42		**64.35**	64.78	

Balance Sheet

	Three Months Ended September 30			Nine Months Ended September 30		
	2023	2022	% Change	**2023**	2022	% Change
Average						
Trading-related assets:						
Trading account securities	**$ 307,990**	$ 308,514	— %	**$ 321,607**	$ 301,690	7 %
Reverse repurchases	**135,401**	112,828	20	**133,912**	127,527	5
Securities borrowed	**119,936**	114,032	5	**118,912**	115,898	3
Derivative assets	**46,417**	57,017	(19)	**44,477**	53,098	(16)
Total trading-related assets	**609,744**	592,391	3	**618,908**	598,213	3
Total loans and leases	**131,298**	120,435	9	**128,317**	114,505	12
Total earning assets	**655,971**	591,883	11	**647,386**	600,477	8
Total assets	**863,653**	847,899	2	**870,366**	857,747	1
Total deposits	**31,890**	38,820	(18)	**33,725**	41,448	(19)
Allocated capital	**45,500**	42,500	7	**45,500**	42,500	7

		September 30		
Period end	% Change	**2023**	December 31 2022	% Change
Total trading-related assets	6 %	**$ 613,009**	$ 564,769	9 %
Total loans and leases	3	**134,386**	127,735	5
Total earning assets	9	**660,172**	587,772	12
Total assets	5	**864,792**	812,489	6
Total deposits	(15)	**31,041**	39,077	(21)

n/m = not meaningful

(Dollars in millions)	Three Months Ended March 31 2024	2023	% Change
Net interest income	$ 681	$ 109	n/m
Noninterest income:			
Investment and brokerage services	495	533	(7)%
Investment banking fees	708	469	51
Market making and similar activities	3,830	4,398	(13)
All other income	169	117	44
Total noninterest income	5,202	5,517	(6)
Total revenue, net of interest expense	5,883	5,626	5
Provision for credit losses	(36)	(53)	n/m
Noninterest expense	3,492	3,351	4
Income before income taxes	2,427	2,328	4
Income tax expense	704	640	10
Net income	$ 1,723	$ 1,688	2
Effective tax rate	29.0 %	27.5 %	
Return on average allocated capital	15	15	
Efficiency ratio	59.38	59.56	

Balance Sheet	Three Months Ended March 31		
Average	2024	2023	% Change
Trading-related assets:			
Trading account securities	$ 323,210	$ 339,248	(5)%
Reverse repurchases	134,081	126,760	6
Securities borrowed	134,852	116,280	16
Derivative assets	37,683	43,747	(14)
Total trading-related assets	629,826	626,035	1
Total loans and leases	133,756	125,046	7
Total earning assets	692,851	627,935	10
Total assets	895,382	870,038	3
Total deposits	32,585	36,109	(10)
Allocated capital	45,500	45,500	—

Period end	March 31 2024	December 31 2023	% Change
Total trading-related assets	$ 629,082	$ 542,544	16 %
Total loans and leases	135,267	136,223	(1)
Total earning assets	698,279	637,955	9
Total assets	902,741	817,588	10
Total deposits	34,847	34,833	—

n/m = not meaningful

Global Markets offers sales and trading services and research services to institutional clients across fixed-income, credit, currency, commodity and equity businesses. *Global Markets* product coverage includes securities and derivative products in both the primary and secondary markets. For more information about *Global Markets*, see Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

The following explanations for current period-over-period changes in results for *Global Markets*, including those disclosed under Sales and Trading Revenue, are the same for amounts including and excluding net DVA. Amounts excluding net DVA are a non-GAAP financial measure. For more information on net DVA, see Supplemental Financial Data on page 7. 5

Three-Month Comparison.

Net income for *Global Markets*increased $183 million $35 million to $1.2 billion. $1.7 billion for the three months ended March 31, 2024 compared to the same period in 2023. Net DVA losses were $16 million in the current-year period $85 million compared to losses gains of $14 million in the prior-year period. 2023. Excluding net DVA, net income increased $184 million $111 million to $1.3 billion $1.8 billion. These increases were primarily driven by higher revenue, partially offset by higher noninterest expense.

Revenue increased $459 million $257 million to $4.9 billion $5.9 billion primarily due to higher investment banking fees and sales and trading revenue in the current-year period and negative valuation adjustments on leveraged loans in the prior-year period. revenue. Sales and trading revenue increased $313 million $25 million, and

Nine-Month Comparison

Net income for *Global Markets* increased $364 million to $4.0 billion. Net DVA losses were $104 million compared to gains of $213 million in the prior-year period. Excluding net DVA, net income increased $605 million to $4.1 billion. These increases were primarily driven by higher revenue, partially offset by higher noninterest expense.

Revenue increased $1.2 billion to $15.4 billion primarily due to the same factors as described in the three-month discussion. Sales and trading revenue increased $793 million, and excluding net DVA, sales and trading revenue increased $1.1 billion. These increases were driven by higher revenue in FICC, partially offset by lower revenue in Equities.

Noninterest expense increased $686 million to $9.9 billion primarily driven by the same factors as described in the three-month discussion, partially offset by expenses recognized for certain regulatory matters in the prior-year period.

Average total assets increased $12.6 billion to $870.4 billion due to the same factors as described in the three-month discussion. Period-end total assets increased $52.3 billion from December 31, 2022 to $864.8 billion driven by higher levels of inventory, increased secured financing activity and loan growth in FICC, partially offset by lower levels of inventory in Equities.

The return on average allocated capital was 12 percent, unchanged from the same period a year ago. 8.

excluding net DVA, sales and trading revenue increased $315 million $124 million. These increases were primarily driven by a strong performance higher revenue in FICC and Equities. Equities, partially offset by lower revenue in FICC.

Noninterest expense increased $212 million $141 million to $3.2 billion $3.5 billion, primarily driven by continued investments in the business, including people and technology.

Average total assets increased $15.8 billion $25.3 billion to $863.7 billion $895.4 billion for the three months ended March 31, 2024 compared to the same period in 2023 driven by higher levels of inventory, increased secured financing activity and loan growth in FICC, partially offset by lower levels of inventory in Equities. Period-end total assets increased $85.2 billion from December 31, 2023 to $902.7 billion driven by seasonally higher levels of client activity across both Equities and FICC.

The return on average allocated capital was 11 15 percent, up unchanged from 10 percent, reflecting higher net income partially offset by an increase in allocated capital. the same period a year ago. For more information on capital allocated to the business segments, see Business Segment Operations on page 11.

Sales and Trading Revenue

For a description of sales and trading revenue, see Business Segment Operations in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K. The following table and related

discussion present sales and trading revenue, substantially all of which is in *Global Markets*, with the remainder in *Global Banking*. In addition, the following table and related discussion also present sales and trading revenue, excluding net DVA, which is a non-GAAP financial measure. For more information on net DVA, see *Supplemental Financial Data* on page 7. 5.

Sales and Trading Revenue *(1, 2, 3)*

Sales and Trading Revenue *(1, 2, 3)*

	Three Months Ended September 30	Nine Months Ended September 30

Sales and Trading Revenue *(1, 2, 3)*

	Three Months Ended March 31

		Three Months Ended March 31		Three Months Ended March 31	
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022
Sales and trading revenue					
Fixed income, currencies and commodities		**$2,710**	$2,552	**$ 8,817**	$ 7,760
(Dollars in millions)					
(Dollars in millions)					
Sales and trading revenue (2)					
Sales and trading revenue (2)					
Sales and trading revenue (2)					
Fixed-income, currencies and commodities					
Fixed-income, currencies and commodities					
Fixed-income, currencies and commodities					
Equities	Equities	**1,695**	1,540	**4,940**	5,204
Equities					
Equities					
Total sales and trading revenue					
Total sales and trading revenue					
Total sales and trading revenue	**Total sales and trading revenue**	**$4,405**	$4,092	**$13,757**	$12,964
Sales and trading revenue, excluding net DVA (4)	**Sales and trading revenue, excluding net DVA** (4)				
Fixed income, currencies and commodities		**$2,723**	$2,567	**$ 8,916**	$ 7,555
Sales and trading revenue, excluding net DVA (4)					
Sales and trading revenue, excluding net DVA (4)					
Fixed-income, currencies and commodities					
Fixed-income, currencies and commodities					
Fixed-income, currencies and commodities					
Equities					
Equities					
Equities	Equities	**1,698**	1,539	**4,945**	5,196
Total sales and trading revenue, excluding net DVA	**Total sales and trading revenue, excluding net DVA**	**$4,421**	$4,106	**$13,861**	$12,751
Total sales and trading revenue, excluding net DVA					
Total sales and trading revenue, excluding net DVA					

(1) For more information on sales and trading revenue, see *Note 3 – Derivatives* to the Consolidated Financial Statements.

(2) Includes FTE adjustments of $109 million $149 million and $285 million $90 million for the three and nine months ended September 30, 2023 compared to $58 million March 31, 2024 and $253 million for the same periods in 2022. 2023.

(3) Includes *Global Banking* sales and trading revenue of $133 million $144 million and $464 million $177 million for the three and nine months ended September 30, 2023 compared to $287 million March 31, 2024 and $785 million for the same periods in 2022. 2023.

(4) FICC and Equities sales and trading revenue, excluding net DVA, is a non-GAAP financial measure. FICC net DVA gains (losses) were $(13) $(76) million and $(99) million $11 million for the three and nine months ended September 30, 2023 compared to $(15) million March 31, 2024 and $205 million for the same periods in 2022. 2023. Equities net DVA gains (losses) were $(3) $(9) million and $(5) million $3 million for the three and nine months ended September 30, 2023 compared to $1 million March 31, 2024 and $8 million for the same periods in 2022. 2023.

Three-Month Comparison

Including and excluding net DVA, FICC revenue increased $158 million decreased $209 million and $156 million primarily $122 million for the three months ended March 31, 2024 compared to the same period in 2023 driven by an improved a weaker trading environment for credit and mortgage macro products, partially offset by weaker improved trading in currency and interest rate products. mortgages. Including and excluding net DVA, Equities revenue increased $155 million $234 million and $159 million $246 million driven by an increase in client financing activities.

Nine-Month Comparison

Including and excluding net DVA, FICC revenue increased $1.1 billion and $1.4 billion primarily driven by an improved trading environment for credit and mortgage products and an increase in secured financing activity. Including and excluding net DVA, Equities revenue decreased $264 million and $251 million driven by weaker a strong trading performance in derivatives, partially offset by an increase in client financing activities. derivatives.

All Other

Three Months Ended March 31

(Dollars in millions)	Three Months Ended September 30			Nine Months Ended September 30		
	2023	2022	% Change	2023	2022	% Change
Net interest income	$ 99	$ 37	n/m	$ 260	$ 73	n/m
Noninterest income (loss)	(1,717)	(836)	105 %	(5,103)	(3,599)	42 %
Total revenue, net of interest expense	(1,618)	(799)	103	(4,843)	(3,526)	37

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	2024		2023	% Change
Net interest income	$ 38	$	$ 97	(61) (61) %

Noninterest income (loss)

Noninterest income (loss)

Provision for credit losses

Provision for credit losses

Provision for credit losses

Provision for credit losses

Provision for credit losses

Provision for credit losses	Provision for credit losses	**(24)**	(58)	(59)	**(77)**	(130)	(41)						
Noninterest expense	Noninterest expense	**593**	716	(17)	**1,492**	1,830	(18)						
Noninterest expense													
Noninterest expense													
Loss before income taxes	Loss before income taxes	**(2,187)**	(1,457)	50	**(6,258)**	(5,226)	20						
Income tax benefit	Income tax benefit	**(2,276)**	(1,176)	94	**(6,058)**	(4,263)	42						
Net income (loss)		**$ 89**	$ (281)	(132)	**$ (200)**	$ (963)	(79)						
Net loss								**Net loss**	**$ (696)**		$ (107)		n/m
Balance Sheet	**Balance Sheet**												
Balance Sheet													
Balance Sheet													
		Three Months Ended March 31											
		Three Months Ended September 30			**Nine Months Ended September 30**								
		Three Months Ended March 31											
		Three Months Ended March 31											
Average													
Average													
Average	**Average**	**2023**	2022	% Change	**2023**	2022	% Change	**2024**		2023		% Change	
Total loans and leases	Total loans and leases	**$ 9,412**	$ 10,629	(11) %	**$ 9,742**	$ 13,457	(28) %	Total loans and leases	**$ 8,872**	$	$ 10,077	(12)	(12) %
Total assets (1)	Total assets (1)	**269,159**	142,650	89	**239,891**	140,620	71						
Total deposits	Total deposits	**68,010**	20,221	n/m	**45,357**	20,128	125	Total deposits	**99,339**	24,702	24,702	n/m	n/m
Period end	**Period end**				**September 30 2023**	December 31 2022	% Change						
Period end													
Period end									**March 31 2024**		December 31 2023	% Change	
Total loans and leases	Total loans and leases				**$ 9,283**	$ 10,234	(9) %	Total loans and leases	**$ 8,917**	$	$ 8,842	1	1 %
Total assets (1)	Total assets (1)				**303,903**	155,074	96						
Total deposits	Total deposits				**85,588**	19,905	n/m						

(1) In segments where the total of liabilities and equity exceeds assets, which are generally deposit-taking segments, we allocate assets from *All Other* to those segments to match liabilities (i.e., deposits) and allocated shareholders' equity. Average allocated assets were $955.7 billion $958.0 billion and $981.8 billion $1.0 trillion for the three and nine months ended September 30, 2023 compared to $1.1 trillion March 31, 2024 and $1.1 trillion for the same periods in 2022, 2023, and period-end allocated assets were $945.7 billion $987.1 billion and $1.0 trillion $972.9 billion at September 30, 2023 March 31, 2024 and December 31 2022. December 31, 2023.

n/m = not meaningful

All Other primarily consists of asset and liability management (ALM) ALM activities, liquidating businesses and certain expenses not otherwise allocated to a business segment. ALM activities encompass interest rate and foreign currency risk management activities for which substantially all of the results are allocated to our business segments. For more information on our ALM activities, see *Note 17 – Business Segment Information* to the Consolidated Financial Statements.

Three-Month Comparison

Results for The net loss in *All Other* improved $370 million increased $589 million to net income of $89 million from a net loss in the prior-year period, reflecting a higher income tax benefit and lower noninterest expense, mostly offset by lower noninterest income.

Noninterest income decreased $881 million$696 million primarily due to higher partnership losses for ESG investments. noninterest expense.

credits related to ESG tax credit investment activity. Both periods included income tax benefit adjustments to eliminate the FTE treatment of certain tax credits recorded in *Global Banking* and *Global Markets*.

Nine-Month Comparison

The net loss in *All Other*decreased $763 million to $200 million primarily due to a higher income tax benefit and lower noninterest expense, partially offset by lower noninterest income.

Noninterest income decreased $1.5 billion primarily due to higher partnership losses for ESG investments and losses on sales of AFS debt securities, partially offset by derivative gains related to risk management activities.

Noninterest expense decreased $338 million primarily due to the same factors as described in the three-month discussion and expenses recognized for certain regulatory matters in the prior-year period.

The income tax benefit increased $1.8 billion primarily due to the same factor as described in the three-month discussion. Both periods included income tax benefit adjustments to eliminate the FTE treatment of certain tax credits recorded in *Global Banking* and *Global Markets*. Markets.

Noninterest expense decreased $123 million increased $587 million primarily driven by higher litigation expense in the prior-year period due to a legacy monoline insurance litigation settlement, $700 million accrual for the increase in the Corporation’s estimated share of the FDIC special assessment, partially offset by higher costs lower expenses related to a liquidating business activity in the current-year period. activity.

The income tax benefit increased $1.1 billion, reflecting an increase in$66 million to $1.9 billion due to higher tax preference benefits primarily due to income tax

Managing Risk

Risk is inherent in all our business activities. The seven key types of risk faced by the Corporation are strategic, credit, market, liquidity, compliance, operational and reputational. Sound risk management enables us to serve our customers and deliver for our shareholders. If not managed well, risk can result in financial loss, regulatory sanctions and penalties, and damage to our reputation, each of which may adversely impact our ability to execute our business strategies. We take a comprehensive approach to risk management with a defined Risk Framework and an articulated Risk Appetite Statement, which are approved annually by the Enterprise Risk Committee and the Board.

Our Risk Framework serves as the foundation for the consistent and effective management of risks facing the Corporation. The Risk Framework sets forth roles and responsibilities for the management of risk and provides a blueprint for how the Board, through delegation of authority to committees and executive officers, establishes risk appetite and associated limits for our activities.

Our risk appetite provides a common framework that includes a set of measures to assist senior management and the Board in assessing the Corporation's risk profile against our risk appetite and risk capacity. Our risk appetite is formally articulated in the Risk Appetite Statement, which includes both qualitative statements and quantitative limits.

For more information on the Corporation's risks, see Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K. These risks are being managed within our Risk Framework and supporting risk management programs. For more information on our Risk Framework, risk management activities and the key types of risk faced by the Corporation, see the Managing Risk section in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Capital Management

The Corporation manages its capital position so that its capital is more than adequate to support its business activities and aligns with risk, risk appetite and strategic planning. For more information, including related regulatory requirements, see Capital Management in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

CCAR and Capital Planning

The Federal Reserve requires BHCs to submit a capital plan and planned capital actions on an annual basis, consistent with the rules governing the CCAR Comprehensive Capital Analysis and Review (CCAR) capital plan. plan, which includes supervisory stress testing by the Federal Reserve. Based on 2023 stress test results, our SCB stress capital buffer (SCB) is 2.5 percent effective October 1, 2023 through September 30, 2024. For more information, see Executive Summary – Recent Developments – Capital Management on page 3. In April 2024, we submitted our 2024 CCAR capital plan and related supervisory stress tests. The Federal Reserve has indicated that it will disclose CCAR capital plan supervisory stress test results by June 30, 2024.

In October 2021, the The Board has authorized the Corporation's repurchase of up to $25 billion of common stock repurchase program (October 2021 Authorization). Additionally, the Board authorized over time, which includes common stock repurchases to offset shares awarded under the Corporation's equity-based compensation plans. Pursuant to the Board's authorizations, Board authorization, during the third quarter of 2023, three months ended March 31, 2024, we repurchased $1.0 billion $2.5 billion of common stock, including repurchases to offset shares awarded under equity-based compensation plans. In September stock. For more information, see Part II, Item 2. Unregistered Sales of Equity securities and Use of Proceeds on page 93 and Capital Management – CCAR and Capital Planning in the MD&A of the Corporation's 2023 the Board modified the October 2021 Authorization, effective October 1, 2023, to include repurchases to offset shares awarded under equity-based compensation plans when determining the remaining repurchase authority. As of October 1, 2023, the remaining repurchase authority was approximately $13.6 billion (including repurchases to offset shares awarded under equity-based compensation plans). Annual Report on Form 10-K.

The timing and amount of common stock repurchases are subject to various factors, including the Corporation's capital position, liquidity, financial performance and alternative uses of capital, stock trading price, regulatory requirements and general market conditions, and may be suspended at any time. Such repurchases may be effected through open market purchases or privately negotiated transactions, including repurchase plans that satisfy the conditions of Rule 10b5-1 of the Securities Exchange Act of 1934, as amended (Exchange Act).

Regulatory Capital

As a BHC, we are subject to regulatory capital rules, including Basel 3, issued by U.S. banking regulators. The Corporation's depository institution subsidiaries are also subject to the Prompt Corrective Action (PCA) framework. The Corporation and its primary affiliated banking entity, BANA, are Advanced approaches institutions under Basel 3 and are required to report regulatory risk-based capital ratios and RWA risk-weighted assets (RWA) under both the Standardized and Advanced approaches. The lower of the capital ratios under Standardized or Advanced approaches compared to their respective regulatory capital ratio requirements is used to assess capital adequacy, including under the PCA framework. As of September 30, 2023 March 31, 2024, the CET1 Common equity tier 1 (CET1) capital, Tier 1 capital and Total capital ratios under the Standardized approach were the binding ratios.

Minimum Capital Requirements

In order to avoid restrictions on capital distributions and discretionary bonus payments to executive officers, the Corporation must meet risk-based capital ratio requirements that include a capital conservation buffer of 2.5 percent (under the Advanced approaches only), an SCB (under the Standardized approach only), plus any applicable countercyclical capital buffer and a G-SIB global systemically important bank (G-SIB) surcharge. The buffers and surcharge must be comprised solely of CET1 capital. For the period from October 1, 2022 through September 30, 2023 Effective January 1, 2024, the Corporation's minimum CET1 capital ratio requirements were 10.4 percent under the Standardized approach and 9.5 percent under the Advanced approaches. Effective October 1, 2023, our CET1 minimum requirement is 9.5 10.0 percent under both the Standardized approach and the Advanced approaches.

The Corporation is required to calculate its G-SIB surcharge on an annual basis under two methods and is subject to the higher of the resulting two surcharges. Method 1 is consistent with the approach prescribed by the Basel Committee's assessment methodology and is calculated using specified indicators of systemic importance. Method 2 modifies the Method 1 approach by, among other factors, including a measure of the Corporation's reliance on short-term wholesale funding. The Effective January 1, 2024, the Corporation's G-SIB surcharge, which is higher under Method 2, is expected to increase increased 50 bps, on January 1, 2024, which would resulting in an increase in our minimum CET1 capital ratio requirement. requirement under the Standardized approach to 10.0 percent from 9.5 percent. At September 30, 2023 March 31, 2024, the Corporation's CET1 capital ratio of 11.9 percent under the Standardized approach exceeded its current CET1 capital ratio requirement as well as the minimum requirement expected to be in place as of January 1, 2024 due to the anticipated increase in our G-SIB surcharge. requirement.

The Corporation is also required to maintain a minimum supplementary leverage ratio (SLR) of 3.0 percent plus a leverage buffer of 2.0 percent in order to avoid certain restrictions on capital distributions and discretionary bonus payments. Our payments to executive officers. At March 31, 2024, our insured depository institution subsidiaries are required exceeded their requirement to maintain a minimum 6.0 percent SLR to be considered well capitalized under the PCA framework.

Capital Composition and Ratios

Table 8 7 presents Bank of America Corporation's capital ratios and related information in accordance with Basel 3 Standardized and Advanced approaches as measured at September 30, 2023andDecember March 31, 2022. 2024 and December 31, 2023. For the periods presented herein, the Corporation met the definition of well capitalized under current regulatory requirements.

Table 8	Bank of America Corporation Regulatory Capital under Basel 3
Table 7	
Table 7	

Table 7

Standardized Approach (1)

	(Dollars in millions, except as noted)	Standardized Approach (1)	Advanced Approaches (1)	Regulatory Minimum (2)
(Dollars in millions, except as noted)	(Dollars in millions, except as noted)	September 30, 2023		
Risk-based capital metrics:	**Risk-based capital metrics:**			
Common equity tier 1 capital	Common equity tier 1 capital	**$ 194,230**	**$ 194,230**	
Tier 1 capital	Tier 1 capital	**222,623**	**222,623**	
Total capital (3)	Total capital (3)	**251,137**	**241,712**	
Risk-weighted assets (in billions)	Risk-weighted assets (in billions)	**1,632**	**1,441**	
Common equity tier 1 capital ratio	Common equity tier 1 capital ratio	**11.9 %**	**13.5 %**	**10.4 %**
Tier 1 capital ratio	Tier 1 capital ratio	**13.6**	**15.4**	**11.9**
Total capital ratio	Total capital ratio	**15.4**	**16.8**	**13.9**
Leverage-based metrics:	**Leverage-based metrics:**			

Standardized Approach (1)
Standardized Approach (1)
(Dollars in millions, except as noted)
(Dollars in millions, except as noted)
Risk-based capital metrics:
Risk-based capital metrics:
Common equity tier 1 capital
Common equity tier 1 capital
Tier 1 capital
Tier 1 capital
Total capital (3)
Total capital (3)
Risk-weighted assets (in billions)
Risk-weighted assets (in billions)
Common equity tier 1 capital ratio
Common equity tier 1 capital ratio
Tier 1 capital ratio
Tier 1 capital ratio
Total capital ratio
Total capital ratio
Leverage-based metrics:
Leverage-based metrics:

Adjusted quarterly average assets (in billions) (4)	**$ 3,051**	**$ 3,051**	
Tier 1 leverage ratio	**7.3 %**	**7.3 %**	**4.0**
Supplementary leverage exposure (in billions)		**$ 3,597**	
Supplementary leverage ratio		**6.2 %**	**5.0**

Adjusted quarterly average assets (in billions) (4)
Adjusted quarterly average assets (in billions) (4)
Tier 1 leverage ratio
Tier 1 leverage ratio
Supplementary leverage exposure (in billions)
Supplementary leverage exposure (in billions)
Supplementary leverage ratio
Supplementary leverage ratio

	December 31, 2023	December 31, 2022	
Risk-based capital metrics:			
Common equity tier 1 capital	$ 180,060	$ 180,060	
Tier 1 capital	208,446	208,446	
Total capital (3)	238,773	230,916	
Risk-weighted assets (in billions)	1,605	1,411	
Common equity tier 1 capital ratio	11.2 %	12.8 %	10.4 %

December 31, 2023
December 31, 2023
Risk-based capital metrics:
Risk-based capital metrics:
Common equity tier 1 capital
Common equity tier 1 capital
Tier 1 capital
Tier 1 capital
Total capital (3)
Total capital (3)
Risk-weighted assets (in billions)
Risk-weighted assets (in billions)
Common equity tier 1 capital ratio

Common equity tier 1 capital ratio				
Tier 1 capital ratio	Tier 1 capital ratio	13.0	14.8	11.9
Tier 1 capital ratio				
Tier 1 capital ratio				
Total capital ratio				
Total capital ratio				
Total capital ratio	Total capital ratio	14.9	16.4	13.9
Leverage-based metrics:	**Leverage-based metrics:**			
Leverage-based metrics:				
Leverage-based metrics:				
Adjusted quarterly average assets (in billions) (4)	Adjusted quarterly average assets (in billions) (4)	$ 2,997	$ 2,997	
Adjusted quarterly average assets (in billions) (4)				
Adjusted quarterly average assets (in billions) (4)				
Tier 1 leverage ratio				
Tier 1 leverage ratio				
Tier 1 leverage ratio	Tier 1 leverage ratio	7.0 %	7.0 %	4.0
Supplementary leverage exposure (in billions)	Supplementary leverage exposure (in billions)		$ 3,523	
Supplementary leverage exposure (in billions)				
Supplementary leverage exposure (in billions)				
Supplementary leverage ratio				
Supplementary leverage ratio				
Supplementary leverage ratio	Supplementary leverage ratio		5.9 %	5.0

(1) Capital ratios as of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 are calculated using the regulatory capital rule that allows a five-year transition period related to the adoption of the current expected credit losses (CECL) accounting standard on January 1, 2020.

(2) The CET1 capital regulatory minimum is the sum of the CET1 capital ratio minimum of 4.5 percent, our G-SIB surcharge of 3.0 percent at March 31, 2024 and 2.5 percent at December 31, 2023, and our capital conservation buffer of 2.5 percent (under the Advanced approaches) or the SCB of 3.4 percent (under the Standardized approach), of 2.5 percent, as applicable, at both September 30, 2023 and December 31, 2022. applicable. The countercyclical capital buffer was zero for both periods. The SLR regulatory minimum includes a leverage buffer of 2.0 percent.

(3) Total capital under the Advanced approaches differs from the Standardized approach due to differences in the amount permitted in Tier 2 capital related to the qualifying allowance for credit losses.

(4) Reflects total average assets adjusted for certain Tier 1 capital deductions.

At September 30, 2023 March 31, 2024, CET1 capital was $194.2 billion $196.6 billion, an increase of $14.2 billion $1.7 billion from December 31, 2022 December 31, 2023, primarily due to earnings, partially offset by dividends and common stock repurchases. capital distributions. Tier 1 capital increased $14.2 billion $1.7 billion primarily driven by the same factors as CET1 capital. Total capital under the Standardized approach increased $12.4 billion $1.0 billion primarily due to the same factors driving the increase in Tier 1 capital and an increase in the adjusted allowance for credit losses included in Tier 2 capital, partially offset by a decrease in subordinated debt. RWA under the Standardized approach, which yielded the lower CET1 capital ratio at September 30, 2023 March 31, 2024, increased $27.5 billion $6.4 billion during the nine months ended September 30, 2023 2024 to $1,632 billion $1,658 billion primarily due to higher counterparty exposures driven by client activity in *Global Markets* and loan growth. . Supplementary leverage exposure at September 30, 2023 March 31, 2024 increased $73.9 billion $47.5 billion primarily due to higher cash held at central banks, partially offset driven by lower debt securities balances. increased activity in

Global Markets.

Table 9 8 shows the capital composition at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 9 **Capital Composition under Basel 3**

Table 8

Table 8

Table 8

(Dollars in millions)

Total common shareholders' equity

Total common shareholders' equity

(Dollars in millions)	(Dollars in millions)	**September 30 2023**	December 31 2022	**March 31 2024**	December 31 2023
Total common shareholders' equity	Total common shareholders' equity	**$ 258,667**	$ 244,800		
CECL transitional amount (1)	CECL transitional amount (1)	**1,254**	1,881		
Goodwill, net of related deferred tax liabilities	Goodwill, net of related deferred tax liabilities	**(68,644)**	(68,644)		
Deferred tax assets arising from net operating loss and tax credit carryforwards	Deferred tax assets arising from net operating loss and tax credit carryforwards	**(7,778)**	(7,776)		

Intangibles, other than mortgage servicing rights, net of related deferred tax liabilities	Intangibles, other than mortgage servicing rights, net of related deferred tax liabilities	**(1,508)**	(1,554)
Defined benefit pension plan net assets	Defined benefit pension plan net assets	**(911)**	(867)
Cumulative unrealized net (gain) loss related to changes in fair value of financial liabilities attributable to own creditworthiness, net-of-tax	Cumulative unrealized net (gain) loss related to changes in fair value of financial liabilities attributable to own creditworthiness, net-of-tax	**967**	496
Accumulated net (gain) loss on certain cash flow hedges (2)	Accumulated net (gain) loss on certain cash flow hedges (2)	**12,251**	11,925
Other	Other	**(68)**	(201)
Common equity tier 1 capital	**Common equity tier 1 capital**	**194,230**	180,060
Qualifying preferred stock, net of issuance cost	Qualifying preferred stock, net of issuance cost	**28,396**	28,396
Other	Other	**(3)**	(10)
Tier 1 capital	**Tier 1 capital**	**222,623**	208,446
Tier 2 capital instruments	Tier 2 capital instruments	**15,981**	18,751
Qualifying allowance for credit losses (3)	Qualifying allowance for credit losses (3)	**13,007**	11,739
Other	Other	**(474)**	(163)
Total capital under the Standardized approach	**Total capital under the Standardized approach**	**251,137**	238,773
Adjustment in qualifying allowance for credit losses under the Advanced approaches (3)	Adjustment in qualifying allowance for credit losses under the Advanced approaches (3)	**(9,425)**	(7,857)
Total capital under the Advanced approaches	**Total capital under the Advanced approaches**	**$ 241,712**	$ 230,916

(1) September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 include 50 25 percent and 75 50 percent of the CECL transition provision's impact as of December 31, 2021.

(2) Includes amounts in accumulated other comprehensive income (OCI) related to the hedging of items that are not recognized at fair value on the Consolidated Balance Sheet.

(3) Includes the impact of transition provisions related to the CECL accounting standard.

Table 10 9 shows the components of RWA as measured under Basel 3 at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 10 Risk-weighted Assets under Basel 3

Table 9

Table 9

Table 9

(Dollars in billions)	Standardized Approach September 30, 2023	Advanced Approaches September 30, 2023	Standardized Approach December 31, 2022	Advanced Approaches December 31, 2022
Credit risk	$ 1,564	$ 966	$ 1,538	$ 939
Market risk	68	67	67	67
Operational risk	n/a	364	n/a	364
Risks related to credit valuation adjustments	n/a	44	n/a	41
Total risk-weighted assets	$ 1,632	$ 1,441	$ 1,605	$ 1,411

Standardized Approach | Advanced Approaches | Standardized Approach | Advanced Approaches

March 31, 2024 | December 31, 2023

n/a = not applicable

Bank of America, N.A. Regulatory Capital

Table 11 10 presents regulatory capital information for BANA in accordance with Basel 3 Standardized and Advanced approaches as measured at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. BANA met the definition of well capitalized under the PCA framework for both periods.

Table 11 **Bank of America, N.A. Regulatory Capital under Basel 3**

Table 10
Table 10

Table 10

Standardized Approach (1)

Standardized Approach (1)

Standardized Approach (1)

(Dollars in millions, except as noted)	Standardized Approach (1)	Advanced Approaches (1)	Regulatory Minimum (2)
	September 30, 2023		
Risk-based capital metrics:			
Common equity tier 1 capital	$ 184,779	$ 184,779	
Tier 1 capital	184,779	184,779	
Total capital (3)	199,115	189,897	
Risk-weighted assets (in billions)	1,387	1,105	
Common equity tier 1 capital ratio	13.3 %	16.7 %	7.0 %
Tier 1 capital ratio	13.3	16.7	8.5
Total capital ratio	14.4	17.2	10.5
Leverage-based metrics:			

(Dollars in millions, except as noted)	Standardized Approach (1)	Advanced Approaches (1)	Regulatory Minimum (2)
	March 31, 2024		
Common equity tier 1 capital ratio	13.5 %	16.9 %	7.0 %

Common equity tier 1 capital

Common equity tier 1 capital

Tier 1 capital

Tier 1 capital

Total capital (3)

Total capital (3)

Risk-weighted assets (in billions)

Risk-weighted assets (in billions)

Common equity tier 1 capital ratio

Common equity tier 1 capital ratio

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Adjusted quarterly average assets (in billions) (4)	$ 2,390	$ 2,390	
Tier 1 leverage ratio	7.7 %	7.7 %	5.0
Supplementary leverage exposure (in billions)		$ 2,831	
Supplementary leverage ratio		6.5 %	6.0

Adjusted quarterly average assets (in billions) (4)
Adjusted quarterly average assets (in billions) (4)
Tier 1 leverage ratio
Tier 1 leverage ratio
Supplementary leverage exposure (in billions)
Supplementary leverage exposure (in billions)
Supplementary leverage exposure (in billions)
Supplementary leverage exposure (in billions)
Supplementary leverage exposure (in billions)
Supplementary leverage ratio
Supplementary leverage ratio

	December 31, 2022		December 31, 2023
Risk-based capital metrics:			
Common equity tier 1 capital	$ 181,089	$ 181,089	
Tier 1 capital	181,089	181,089	
Total capital (3)	194,254	186,648	
Risk-weighted assets (in billions)	1,386	1,087	

Common equity tier 1 capital
Common equity tier 1 capital
Tier 1 capital
Tier 1 capital
Total capital (3)
Total capital (3)
Risk-weighted assets (in billions)
Risk-weighted assets (in billions)

Common equity tier 1 capital ratio

Common equity tier 1 capital ratio

Common equity tier 1 capital ratio	Common equity tier 1 capital ratio	13.1 %	16.7 %	7.0 %	13.5 %	16.8 %	7.0 %
Tier 1 capital ratio	Tier 1 capital ratio	13.1	16.7	8.5			
Total capital ratio	Total capital ratio	14.0	17.2	10.5			
Leverage-based metrics:	**Leverage-based metrics:**						

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Leverage-based metrics:

Adjusted quarterly average assets (in billions) (4)	Adjusted quarterly average assets (in billions) (4)	$ 2,358	$ 2,358	

Adjusted quarterly average assets (in billions) (4)

Adjusted quarterly average assets (in billions) (4)

Tier 1 leverage ratio

Tier 1 leverage ratio

Tier 1 leverage ratio	Tier 1 leverage ratio	7.7 %	7.7 %	5.0
Supplementary leverage exposure (in billions)	Supplementary leverage exposure (in billions)		$ 2,785	

Supplementary leverage exposure (in billions)

Supplementary leverage exposure (in billions)

Supplementary leverage exposure (in billions)

Supplementary leverage exposure (in billions)

Supplementary leverage exposure (in billions)

Supplementary leverage ratio	Supplementary leverage ratio		6.5 %	6.0

Supplementary leverage ratio

Supplementary leverage ratio

(1) Capital ratios as of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 are calculated using the regulatory capital rule that allows a five-year transition period related to the adoption of the CECL accounting standard on January 1, 2020.

(2) Risk-based capital regulatory minimums at both September 30, 2023 March 31, 2024 and December 31, 2022December 31, 2023 are the minimum ratios under Basel 3 including a capital conservation buffer of 2.5 percent. The regulatory minimums for the leverage ratios as of both period ends are the percent required to be considered well capitalized under the PCA framework.

(3) Total capital under the Advanced approaches differs from the Standardized approach due to differences in the amount permitted in Tier 2 capital related to the qualifying allowance for credit losses.

(4) Reflects total average assets adjusted for certain Tier 1 capital deductions.

Total Loss-Absorbing Capacity Requirements

TLAC Total loss-absorbing capacity (TLAC) consists of the Corporation's Tier 1 capital and eligible long-term debt issued directly by the Corporation. Eligible long-term debt for TLAC ratios is comprised of unsecured debt that has a remaining maturity of at least one year and satisfies additional requirements as prescribed in the TLAC final rule. As with the risk-based capital ratios and SLR, the Corporation is required to maintain TLAC ratios in excess of minimum requirements plus applicable buffers to avoid restrictions on capital distributions and discretionary bonus payments. payments to executive officers. Table 12 11 presents the Corporation's TLAC and long-term debt ratios and related information as of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 12 Bank of America Corporation Total Loss-Absorbing Capacity and Long-Term Debt

Table 11

Table 11

(Dollars in millions)	(Dollars in millions)	TLAC (1)	Regulatory Minimum (2)	Long-term Debt	Regulatory Minimum (3)
		September 30, 2023			
Total eligible balance	Total eligible balance	$478,360		$241,717	
Percentage of risk-weighted assets (4)	Percentage of risk-weighted assets (4)	29.3 %	22.0 %	14.8 %	8.5 %
Percentage of supplementary leverage exposure	Percentage of supplementary leverage exposure	13.3	9.5	6.7	4.5
		December 31, 2022			

Table 11 Bank of America Corporation Total Loss-Absorbing Capacity and Long-Term Debt

(Dollars in millions)	TLAC (1) / TLAC (1) / TLAC (1)	Regulatory Minimum (2)	Long-term Debt	Regulatory Minimum (3)
	March 31, 2024			
Percentage of risk-weighted assets (4)				
Percentage of risk-weighted assets (4)	28.7 %	22.0 %	14.2 %	9.0 %
	December 31, 2023			
	December 31, 2023			
	December 31, 2023			
	December 31, 2023			
	December 31, 2023			
	December 31, 2023			

Total eligible balance	Total eligible balance	$465,451		$243,833	
Percentage of risk-weighted assets (4)	Percentage of risk-weighted assets (4)	29.0 %	22.0 %	15.2 %	8.5 %
Percentage of risk-weighted assets (4)					
Percentage of risk-weighted assets (4)		29.0 %	22.0 %	14.5 %	8.5 %
Percentage of supplementary leverage exposure	Percentage of supplementary leverage exposure	13.2	9.5	6.9	4.5

(1) As of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, TLAC ratios are calculated using the regulatory capital rule that allows a five-year transition period related to the adoption of the CECL accounting standard on January 1, 2020.

(2) The TLAC RWA regulatory minimum consists of 18.0 percent plus a TLAC RWA buffer comprised of 2.5 percent plus the Method 1 G-SIB surcharge of 1.5 percent. The countercyclical buffer is zero for both periods. The TLAC supplementary leverage exposure regulatory minimum consists of 7.5 percent plus a 2.0 percent TLAC leverage buffer. The TLAC RWA and leverage buffers must be comprised solely of CET1 capital and Tier 1 capital, respectively.

(3) The long-term debt RWA regulatory minimum is comprised of 6.0 percent plus an additional the Corporation's G-SIB surcharge of 3.0 percent at March 31, 2024 and 2.5 percent requirement based on the Corporation's Method 2 G-SIB surcharge. at December 31, 2023. The long-term debt leverage exposure regulatory minimum is 4.5 percent. Effective January 1, 2024, the Corporation's G-SIB surcharge, which is higher under Method 2, increased 50 bps, resulting in an increase in our long-term debt RWA regulatory minimum requirement to 9.0 percent from 8.5 percent.

(4) The approach that yields the higher RWA is used to calculate TLAC and long-term debt ratios, which was the Standardized approach as of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Regulatory Developments

On July 27, 2023, U.S. banking regulators issued proposed rules that would update future U.S. For information on regulatory capital requirements. Under the capital proposal, the Advanced approaches would be replaced with a new standardized approach, referred to as the expanded risk-based approach, which would be phased in over a three-year period beginning July 1, 2025. U.S. banking regulators also issued proposed rules to revise the risk-based capital surcharge for G-SIBs, which would be effective two calendar quarters after finalization. On August 29, 2023, U.S. banking regulators issued proposed rules that would change the criteria for debt instruments included developments, see Capital Management – Regulatory Developments in the Corporation's eligible long-term debt and TLAC. Any final rules issued are subject to change from the current proposals. The Corporation is evaluating the potential impact MD&A of the proposed rules Corporation's 2023 Annual Report on its regulatory capital, eligible long-term debt and TLAC requirements. Form 10-K.

Regulatory Capital and Securities Regulation

The Corporation's principal U.S. broker-dealer subsidiaries are BofA Securities, Inc. (BofAS) and Merrill Lynch, Pierce, Fenner & Smith Incorporated (MLPF&S). On August 13, 2023, Merrill Lynch Professional Clearing Corp. (MLPCC) merged into its immediate parent, BofAS. Prior to that date, MLPCC was a fully-guaranteed subsidiary of BofAS and provided clearing and settlement services as well as prime brokerage and arranged financing services for institutional clients. Following the merger, client services previously provided by MLPCC are now being provided by or through BofAS.

The Corporation's principal European subsidiaries undertaking broker-dealer subsidiaries activities are Merrill Lynch International (MLI) and BofA Securities Europe SA (BofASE).

The U.S. broker-dealer subsidiaries are subject to the net capital requirements of Rule 15c3-1 under the Exchange Act. BofAS computes its minimum capital requirements as an alternative net capital broker-dealer under Rule 15c3-1e, and MLPF&S computes its minimum capital requirements in accordance with the alternative standard under Rule 15c3-1. BofAS is registered as a futures commission merchant and is subject to Commodity Futures Trading Commission (CFTC) Regulation 1.17. The U.S. broker-dealer subsidiaries are also registered with the Financial Industry Regulatory Authority, Inc. (FINRA). Pursuant to FINRA Rule 4110, FINRA may impose higher net capital requirements than Rule 15c3-1 under the Exchange Act with respect to each of the broker-dealers.

BofAS provides institutional services, and in accordance with the alternative net capital requirements, is required to maintain tentative net capital in excess of $5.0 billion and net capital in excess of the greater of $1.0 billion or a certain percentage of its reserve requirement in addition to a certain percentage of securities-based swap risk margin. BofAS must also notify the SEC in the event its tentative net capital is less than $6.0 billion. BofAS is also required to hold a certain percentage of its customers' and affiliates' risk-based margin in order to meet its CFTC minimum net capital requirement. At September 30, 2023 March 31, 2024, BofAS had tentative net capital of $25.1 billion $22.6 billion. BofAS also had regulatory net capital of $23.0 billion $20.3 billion, which exceeded the minimum requirement of $4.3 billion.

MLPF&S provides retail services. At September 30, 2023 March 31, 2024, MLPF&S' regulatory net capital was $6.2 billion $6.4 billion, which exceeded the minimum requirement of $136 million $148 million.

Our European broker-dealers are subject to requirements from U.S. and non-U.S. regulators. MLI, a U.K. investment firm, is regulated by the Prudential Regulation Authority and the Financial Conduct Authority and is subject to certain regulatory

capital requirements. At September 30, 2023 March 31, 2024, MLI's capital resources were $33.7 billion $33.8 billion, which exceeded the minimum Pillar 1 requirement of $10.8 billion $12.8 billion.

BofASE, an authorized credit institution with its head office located in France, is regulated by the Autorité de Contrôle Prudentiel et de Résolution and the Autorité des Marchés Financiers, and supervised under the Single Supervisory Mechanism by the European Central Bank. At September 30, 2023 March 31, 2024, BofASE's capital resources were $9.2 billion $9.9 billion, which exceeded the minimum Pillar 1 requirement of $3.5 billion $3.8 billion.

In addition, MLI and BofASE became remained conditionally registered with the SEC as security-based swap dealers, in the fourth quarter of 2021, and maintained net liquid assets at September 30, 2023 March 31, 2024 that exceeded the applicable minimum requirements under the Exchange Act.

Liquidity Risk

Funding and Liquidity Risk Management

Our primary liquidity risk management objective is to meet expected or unexpected cash flow and collateral requirements, including payments under long-term debt agreements, commitments to extend credit and customer deposit withdrawals, while continuing to support our businesses and customers under a range of economic conditions. To achieve that objective, we analyze and monitor our liquidity risk under expected and stressed conditions, maintain liquidity and access to diverse funding sources, including our stable deposit base, and seek to align liquidity-related incentives and risks. These liquidity risk management practices have allowed us to effectively manage the market stress from increased volatility due to the failure of certain financial institutions in the first half of 2023. Our practices have also allowed us to effectively manage market fluctuations from the rising interest rate environment, inflationary pressures and changes in the macroeconomic environment.

We define liquidity as readily available assets, limited to cash and high-quality, liquid, unencumbered securities that we can use to meet our contractual and contingent financial obligations as they arise. We manage our liquidity position through line-of-business and ALM activities, as well as through our legal entity funding strategy, on both a forward and current (including intraday) basis under both expected and stressed conditions. We believe that a centralized approach to funding and liquidity management enhances our ability to monitor liquidity requirements, maximizes access to funding sources, minimizes borrowing costs and facilitates timely responses to liquidity events. For more information on the Corporation's

liquidity risks, see the Liquidity section within Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K. For more information regarding global funding and liquidity risk management, as well as liquidity sources, liquidity arrangements, contingency planning and credit ratings discussed below, see Liquidity Risk in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

NB Holdings Corporation

Bank of America Corporation, as the parent company (the Parent), which is a separate and distinct legal entity from our bank and nonbank subsidiaries, has an intercompany arrangement with our wholly-owned holding company subsidiary, NB Holdings Corporation (NB Holdings). We have transferred, and agreed to transfer, additional Parent assets not required to satisfy anticipated near-term expenditures to NB Holdings. The Parent is expected to continue to have access to the same flow of dividends, interest and other amounts of cash necessary to service its debt, pay dividends and perform other obligations as it would have had it not entered into these arrangements and transferred any assets. These arrangements support our preferred single point of entry resolution strategy, under which only the Parent would be resolved under the U.S. Bankruptcy Code.

Global Liquidity Sources and Other Unencumbered Assets

We maintain liquidity available to the Corporation, including the Parent and selected subsidiaries, in the form of cash and high-quality, high quality, liquid, unencumbered securities. Our liquidity buffer, referred to as Global Liquidity Sources (GLS), is comprised of assets that are readily available to the Parent and selected subsidiaries, including holding company, bank and broker-dealer subsidiaries, even during stressed market conditions. Our cash is primarily on deposit with the Federal Reserve Bank and, to a lesser extent, central banks outside of the U.S. We limit the composition of high-quality, liquid, unencumbered securities to U.S. government securities, U.S. agency securities, U.S. agency mortgage-backed securities and other investment-grade securities, and a select group of non-U.S. government securities. We can obtain cash for these securities, even in stressed conditions, through repurchase agreements or outright sales. We hold our GLS in legal entities that allow us to meet the liquidity requirements of our global businesses, and we consider the impact of potential regulatory, tax, legal and other restrictions that could limit the transferability of funds among entities.

Table 13 12 presents average GLS for the three months ended September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 13 Average Global Liquidity Sources

Table 12

Table 12

Table 12 Average Global Liquidity Sources

Three Months Ended

Three Months Ended

Three Months Ended

Three Months Ended

(Dollars in billions)	(Dollars in billions)	**September 30 2023**	December 31 2022	(Dollars in billions)	**March 31 2024**	December 31 2023
Bank entities	Bank entities	**$ 693**	$ 694			
Bank entities						
Bank entities						
Nonbank and other entities (1)	Nonbank and other entities (1)	**166**	174			
Total Average Global Liquidity Sources	**Total Average Global Liquidity Sources**	**$ 859**	$ 868			

(1) Nonbank includes Parent, NB Holdings and other regulated entities.

Our bank subsidiaries' liquidity is primarily driven by deposit and lending activity, as well as securities valuation and net debt activity. Bank subsidiaries can also generate incremental liquidity by pledging a range of unencumbered loans and securities to certain Federal Home Loan Banks (FHLBs) and the Federal Reserve Discount Window. The cash we could have obtained by borrowing against this pool of specifically-identified eligible assets was $327 billion $326 billion and $348 billion $312 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. We have established operational procedures to enable us to borrow against these assets, including regularly monitoring our total pool of eligible loans and securities collateral. Eligibility is defined in guidelines from the FHLBs and the Federal Reserve and is subject to change at their discretion. Due to regulatory restrictions, liquidity generated by the bank subsidiaries can generally be used only to fund obligations within the bank subsidiaries, and transfers to the Parent or nonbank subsidiaries may be subject to prior regulatory approval.

Liquidity is also held in nonbank entities, including the Parent, NB Holdings and other regulated entities. The Parent and NB Holdings liquidity is typically in the form of cash deposited at BANA, which is excluded from the liquidity at bank subsidiaries, and high-quality, liquid, unencumbered securities. Liquidity held in other regulated entities, comprised primarily of broker-dealer subsidiaries, is primarily available to meet the obligations of that entity, and transfers to the Parent or to any other subsidiary may be subject to prior regulatory approval due to regulatory restrictions and minimum requirements. Our other regulated entities also hold unencumbered investment-grade securities and equities that we believe could be used to generate additional liquidity.

Table 14 13 presents the composition of average GLS for the three months ended September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 14 **Average Global Liquidity Sources Composition**

Table 13

Table 13

Table 13 **Average Global Liquidity Sources Composition**

Three Months Ended

Three Months Ended

Three Months Ended

Three Months Ended

(Dollars in billions)

(Dollars in billions)

(Dollars in billions)	(Dollars in billions)	**September 30 2023**	December 31 2022	**March 31 2024**	December 31 2023
Cash on deposit	Cash on deposit	**$ 350**	$ 174		
U.S. Treasury securities	U.S. Treasury securities	**136**	252		
U.S. agency securities, mortgage-backed securities, and other investment-grade securities	U.S. agency securities, mortgage-backed securities, and other investment-grade securities	**357**	427		
Non-U.S. government securities	Non-U.S. government securities	**16**	15		
Total Average Global Liquidity Sources	**Total Average Global Liquidity Sources**	**$ 859**	$ 868		

Our GLS are substantially the same in composition to what qualifies as High Quality Liquid Assets (HQLA) under the final U.S. Liquidity Coverage Ratio (LCR) rules. However, HQLA for purposes of calculating LCR is not reported at market value, but at a lower value that incorporates regulatory deductions and the exclusion of excess liquidity held at certain subsidiaries. The LCR is calculated as the amount of a financial institution's unencumbered HQLA relative to the estimated net cash outflows the institution could encounter over a 30-day period of significant liquidity stress, expressed as a percentage. Our average consolidated HQLA, on a net basis, was $582 billion $586 billion and $605 billion $590 billion for the three months ended September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. For the same periods, the average consolidated LCR was 116 113 percent and 120 115 percent. Our LCR fluctuates due to normal business flows from customer activity.

Liquidity Stress Analysis

We utilize liquidity stress analysis to assist us in determining the appropriate amounts of liquidity to maintain at the Parent and our subsidiaries to meet contractual and contingent cash outflows under a range of scenarios. For more information on liquidity stress analysis, see Liquidity Risk – Liquidity Stress Analysis in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Net Stable Funding Ratio

The Net Stable Funding Ratio (NSFR) is a liquidity requirement for large banks to maintain a minimum level of stable funding over a one-year period. The requirement is intended to support the ability of banks to lend to households and businesses in both normal and adverse economic conditions and is complementary to the LCR, which focuses on short-term liquidity risks. The U.S. NSFR applies to the Corporation on a consolidated basis and to our insured depository institutions. At September 30, 2023 March 31, 2024, the Corporation and its insured depository institutions were in compliance with the U.S. NSFR.

Diversified Funding Sources

We fund our assets primarily with a mix of deposits, and secured and unsecured liabilities through a centralized, globally coordinated funding approach diversified across products, programs, markets, currencies and investor groups. We fund a substantial portion of our lending activities through our deposits, which were $1.88 trillion $1.95 trillion and $1.93 trillion $1.92 trillion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Our trading activities in other regulated entities are primarily funded on a secured basis through securities lending and repurchase agreements, and these amounts will vary based on customer activity and market conditions.

Deposits

Our deposit base is well-diversified by clients, geography and product type across our business segments. At September 30, 2023 March 31, 2024, 52 50 percent of our deposits were in *Consumer Banking*, 15 percent in *GWIM* and 26 27 percent in *Global Banking*. We consider a substantial portion of our deposit base to be a stable, low-cost and consistent source of liquidity. At September 30, 2023, March 31, 2024 approximately 67 68 percent of consumer and small business deposits and 79 81 percent of U.S. deposits in *Global Banking* were held by clients who have had accounts with us for 10 or more years. In addition, at September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023, 30 percent and 34 28 percent of our deposits were noninterest-bearing noninterest bearing and included operating accounts of our consumer and commercial clients. Deposits at September 30, 2023 decreased $45.7 billion, or two percent, March 31, 2024 increased $22.7 billion from December 31, 2022 December 31, 2023 primarily due to an increase in customer spending and debt payments, customers' movement of balances to higher yielding investment alternatives time deposit growth and seasonal outflows. deposit inflows.

During the three months ended March 31, 2024 and 2023, rates paid on deposits were 55 bps and 12 bps in *Consumer Banking*, 289 bps and 197 bps in *GWIM*, and 312 bps and 170 bps in *Global Banking*. For information on rates paid on consolidated deposit balances, see Table 6 on page 7.

Long-term Debt

During the nine three months ended September 30, 2023, March 31, 2024 we issued $54.0 billion $15.4 billion of long-term debt consisting of $23.0 billion $6.5 billion of notes issued by Bank of America Corporation, substantially all of which were TLAC compliant, $18.7 billion $3.5 billion of notes issued by Bank of America, N.A. and $12.3 billion $5.4 billion of other debt.

During the nine three months ended September 30, 2023 March 31, 2024, we had total long-term debt maturities and redemptions in the aggregate of $33.0 billion $15.0 billion consisting of $22.5 billion $9.4 billion for Bank of America Corporation, $4.6 billion $2.5 billion for Bank of America, N.A. and $5.9 billion $3.1 billion of other debt. Table 15 14 presents the carrying value of aggregate annual contractual maturities of long-term debt at September 30, 2023 March 31, 2024.

Table 15 Long-term Debt by Maturity

Table 14

Table 14

Table 14 Long-term Debt by Maturity

(Dollars in millions)	(Dollars in millions)	Remainder of 2023	2024	2025	2026	2027	Thereafter	Total
(Dollars in millions)								
(Dollars in millions)	Remainder of 2024	2025	2026	2027	2028	Thereafter	Total	
Bank of America Corporation	**Bank of America Corporation**							

Senior notes (1)								
Senior notes (1)								
Senior notes (1)	Senior notes (1)	$ —	$ 10,018	$ 24,938	$ 24,026	$ 20,847	$ 121,225	**$ 201,054**
Senior structured notes	Senior structured notes	281	695	677	1,116	614	9,437	**12,820**
Subordinated notes	Subordinated notes	—	3,141	5,089	4,831	2,108	9,938	**25,107**
Junior subordinated notes	Junior subordinated notes	—	—	—	—	200	557	**757**
Total Bank of America Corporation	**Total Bank of America Corporation**	281	13,854	30,704	29,973	23,769	141,157	**239,738**
Bank of America, N.A.	**Bank of America, N.A.**							
Senior notes								
Senior notes								
Senior notes	Senior notes	—	5,470	2,393	2,586	—	—	**10,449**
Subordinated notes	Subordinated notes	—	—	—	21	—	1,397	**1,418**
Advances from Federal Home Loan Banks	Advances from Federal Home Loan Banks	100	4,750	13	9	4	51	**4,927**
Securitizations and other Bank VIEs (2)	Securitizations and other Bank VIEs (2)	1,000	1,000	2,244	1,423	—	552	**6,219**
Other	Other	32	532	152	35	42	4	**797**
Total Bank of America, N.A.	**Total Bank of America, N.A.**	1,132	11,752	4,802	4,074	46	2,004	**23,810**
Other debt	**Other debt**							
Structured Liabilities	Structured Liabilities	1,857	5,390	2,468	3,582	1,932	11,211	**26,440**
Structured Liabilities								
Structured Liabilities								
Nonbank VIEs (2)	Nonbank VIEs (2)	—	5	24	7	—	335	**371**
Total other debt	**Total other debt**	1,857	5,395	2,492	3,589	1,932	11,546	**26,811**
Total other debt								
Total other debt								
Total long-term debt	**Total long-term debt**	**$ 3,270**	**$ 31,001**	**$ 37,998**	**$ 37,636**	**$ 25,747**	**$ 154,707**	**$ 290,359**

(1) Total includes $181.2 billion $183.0 billion of outstanding notes that are both TLAC eligible and callable one year before their stated maturities, including $2.5 billion $15.6 billion during the remainder of 2023, 2024, and $21.6 billion $21.8 billion, $21.4 billion $21.3 billion, $20.8 billion $24.6 billion and $24.0 billion $19.5 billion during each year of 2024 2025 through 2027, 2028, respectively, and $90.8 billion $80.2 billion thereafter. For more information on our TLAC eligible and callable outstanding notes, see Liquidity Risk – Diversified Funding Sources in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

(2) Represents liabilities of consolidated variable interest entities (VIEs) included in total long-term debt on the Consolidated Balance Sheet.

Total long-term debt increased $14.4 billion decreased $5.9 billion to $290.4 billion $296.3 billion during the ninethree months ended September 30, 2023 March 31, 2024 primarily due to debt issuances, maturities and valuation adjustments, partially offset by debt maturities, redemptions, repurchases and valuation adjustments. issuances. We may, from time to time, purchase outstanding debt instruments in various transactions, depending on market conditions, liquidity and other factors. Our other regulated entities may also make markets in our debt instruments to provide liquidity for investors.

During the ninethree months ended September 30, 2023 March 31, 2024, we issued $11.3 billion$6.8 billion of structured notes, which are debt obligations that pay investors returns linked to other debt or equity securities, indices, currencies or commodities. These structured notes are typically issued to meet client demand, and notes with certain attributes may also be TLAC eligible. We typically hedge the returns we are obligated to pay on these liabilities with derivatives and/or investments in the underlying instruments, so that from a funding perspective, the cost is similar to our

other unsecured long-term debt. We could be required to settle certain structured note obligations for cash or other securities prior to maturity under certain circumstances, which we consider for liquidity planning purposes. We believe, however, that a portion of such borrowings will remain outstanding beyond the earliest put or redemption date.

Substantially all of our senior and subordinated debt obligations contain no provisions that could trigger a requirement for an early repayment, require additional collateral support, result in changes to terms, accelerate maturity or create additional financial obligations upon an adverse change in our credit ratings, financial ratios, earnings, cash flows or stock price. For more information on long-term debt funding, including issuances and maturities and redemptions, see *Note* *11 – Long-term Debt* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

We use derivative transactions to manage the duration, interest rate and currency risks of our borrowings, considering the characteristics of the assets they are funding. For more information on our ALM activities, see Interest Rate Risk Management for the Banking Book on page 46. 39.

Credit Ratings

Credit ratings and outlooks are opinions expressed by rating agencies on our creditworthiness and that of our obligations or securities, including long-term debt, short-term borrowings, preferred stock and other securities, including asset securitizations. Table 16 15 presents the Corporation's current long-term/short-term senior debt ratings and outlooks expressed by the rating agencies.

The ratings and outlooks from Moody's Investors Service, Standard & Poor's Global Ratings and Fitch Ratings for the Corporation and its subsidiaries have not changed from those disclosed in the Corporation's 2022 2023 Annual Report on Form 10-K. The ratings and outlooks from Moody's Investors Service (Moody's) and Standard and Poor's Global Ratings (S&P) for the Corporation and its subsidiaries have not changed from those disclosed in the Corporation's Quarterly Report on Form 10-Q for the quarter ended June 30, 2023.

For more information on additional collateral and termination payments that could be required in connection with certain over-the-counter derivative contracts and other trading agreements in the event of a credit rating downgrade, see *Note 3 – Derivatives*to the Consolidated Financial Statements herein and Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K.

Table 16 15 Senior Debt Ratings

	Moody's Investors Service			Standard & Poor's Global Ratings			Fitch Ratings					
	Long-term	Short-term	Outlook	Long-term	Short-term	Outlook	Long-term	Short-term	Outlook			
Bank of America Corporation	A1	P-1	Stable	A-	A-2	Stable	AA-	F1+	Stable			
Bank of America, N.A.	Aa1	P-1	Negative	A+	A-1	Stable	A+	A-1	Stable	AA	F1+	Stable
Bank of America Europe Designated Activity Company	NR	NR	NR	A+	A-1	Stable	AA	F1+	Stable			
Merrill Lynch, Pierce, Fenner & Smith Incorporated	NR	NR	NR	A+	A-1	Stable	AA	F1+	Stable			
BofA Securities, Inc.	NR	NR	NR	A+	A-1	Stable	AA	F1+	Stable			
Merrill Lynch International	NR	NR	NR	A+	A-1	Stable	AA	F1+	Stable			
BofA Securities Europe SA	NR	NR	NR	A+	A-1	Stable	AA	F1+	Stable			

NR = not rated

Finance Subsidiary Issuers and Parent Guarantor

BofA Finance LLC, a Delaware limited liability company (BofA Finance), is a consolidated finance subsidiary of the Corporation that has issued and sold, and is expected to continue to issue and sell, its senior unsecured debt securities (Guaranteed Notes) that are fully and unconditionally guaranteed by the Corporation. The Corporation guarantees the due and punctual payment, on demand, of amounts payable on the Guaranteed Notes if not paid by BofA Finance. In addition, each of BAC Capital Trust XIII, BAC Capital Trust XIV and BAC Capital Trust XV, Delaware statutory trusts (collectively, the Trusts) is a 100 percent owned finance subsidiary of the Corporation that has issued and sold trust preferred securities (the Trust Preferred Securities) or capital securities (the Capital Securities and, together with the Guaranteed Notes and the Trust Preferred Securities, the Guaranteed Securities), as applicable, that remained outstanding at September 30, 2023 March 31, 2024. The Corporation has fully and unconditionally guaranteed (or effectively provided for the full and unconditional guarantee of) all such securities issued by such finance subsidiaries. For more information regarding such guarantees by the Corporation, see Liquidity Risk – Finance Subsidiary Issuers and Parent Guarantor in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Representations and Warranties Obligations

For information on representations and warranties obligations in connection with the sale of mortgage loans, see *Note 12 – Commitments and Contingencies* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Credit Risk Management

For information on our credit risk management activities, see the following: Consumer Portfolio Credit Risk Management on page 30, 24, Commercial Portfolio Credit Risk Management on page 35, 28, Non-U.S. Portfolio on page 41, 34, Allowance for Credit Losses on page 42, and 35, *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* to the Consolidated Financial Statements. Statements, and Credit Risk Management in the MD&A of the Corporation's 2023 Annual Report on Form 10-K. For information on the Corporation's loan modification programs, see *Note 1 – Summary of Significant Accounting Principles* and *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* to the Consolidated Financial Statements. For more information on the Corporation's credit risks, see the Credit section within Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K.

During the ninethree months ended September 30, 2023 March 31, 2024, our asset quality remained relatively healthy. Our net charge-off ratio increased primarily driven by credit card loans as delinquency trends continue to slowly increase off of historic lows; however,

they remain below and the same period in 2019. Nonperforming commercial real estate office portfolio. In addition, nonperforming loans increased modestly compared to December 31, 2022 December 31, 2023 driven by the commercial real estate office property type, while commercial reservable criticized exposure increased driven by both office as well as other an increase across a broad range of industries that have been impacted by the current environment. in commercial excluding commercial real estate. Uncertainty remains regarding broader economic impacts as a result of inflationary pressures, rising elevated rates and the current geopolitical environment and could lead to adverse impacts to credit quality metrics in future periods.

Consumer Portfolio Credit Risk Management

Credit risk management for the consumer portfolio begins with initial underwriting and continues throughout a borrower's credit cycle. Statistical techniques in conjunction with experiential judgment are used in all aspects of portfolio management including underwriting, product pricing, risk appetite, setting credit limits, and establishing operating processes and metrics to quantify and balance risks and returns. Statistical models are built using detailed behavioral information from external sources, such as credit bureaus, and/or internal historical experience and are a component of our consumer credit risk management process. These models are used in part to assist in making both new and ongoing credit decisions as well as portfolio management strategies, including authorizations and line management, collection practices and strategies, and determination of the allowance for loan and lease losses and allocated capital for credit risk.

Consumer Credit Portfolio

During the nine three months ended September 30, 2023 March 31, 2024, the U.S. unemployment rate remained relatively stable and home prices have increased slightly in recent months. slightly. During the three and nine months ended September 30, 2023 March 31, 2024, net charge-offs increased $345 million and $853 million $375 million to $804 million and $2.2 billion $1.0 billion compared to the same periods period in 2022 2023, primarily due to late-stage delinquent higher credit card loans that were charged off. loan charge-offs.

The consumer allowance for loan and lease losses increased $930 million decreased $44 million during the nine three months ended September 30, 2023 March 31, 2024 to $8.2 billion $8.5 billion. For more information, see Allowance for Credit Losses on page 42. 35.

For more information on our accounting policies regarding delinquencies, nonperforming status, charge-offs and loan modifications for the consumer portfolio, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-Kand *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* to the Consolidated Financial Statements.

Table 17 16 presents our outstanding consumer loans and leases, consumer nonperforming loans and accruing consumer loans past due 90 days or more.

Table 17 Consumer Credit Quality

Table 16

Table 16

Table 16

(Dollars in millions)	Outstandings		Nonperforming		Accruing Past Due 90 Days or More	
	September 30 2023	December 31 2022	**September 30 2023**	December 31 2022	**September 30 2023**	December 31 2022
Residential mortgage (1)	**$ 229,166**	$229,670	**$ 2,185**	$ 2,167	**$ 265**	$ 368
Home equity	**25,492**	26,563	**479**	510	**—**	—
Credit card	**99,687**	93,421	**n/a**	n/a	**1,016**	717
Direct/Indirect consumer (2)	**104,059**	106,236	**128**	77	**1**	2
Other consumer	**122**	156	**—**	—	**—**	—
Consumer loans excluding loans accounted for under the fair value option	**$ 458,526**	$456,046	**$ 2,792**	$ 2,754	**$ 1,282**	$ 1,087
Loans accounted for under the fair value option (3)	**253**	339				

(Dollars in millions)	Outstandings		Nonperforming		Accruing Past Due 90 Days or More	
	March 31 2024	December 31 2023	**March 31 2024**	December 31 2023	**March 31 2024**	December 31 2023

Total consumer loans and leases	**Total consumer loans and leases**	**$ 458,779**	$ 456,385																
Total consumer loans and leases																			
Total consumer loans and leases																			
Percentage of outstanding consumer loans and leases (4)																			
Percentage of outstanding consumer loans and leases (4)																			
Percentage of outstanding consumer loans and leases (4)	Percentage of outstanding consumer loans and leases (4)	**n/a**	n/a	**0.61** %	0.60 %	**0.28** %	0.24 %	**n/a**		n/a	**0.59**	**%**		0.59	%	**0.34**	**%**	0.32	%
Percentage of outstanding consumer loans and leases, excluding fully-insured loan portfolios (4)	Percentage of outstanding consumer loans and leases, excluding fully-insured loan portfolios (4)	**n/a**	n/a	**0.62**	0.62	**0.23**	0.16												

(1) Residential mortgage loans accruing past due 90 days or more are fully-insured loans. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, residential mortgage included $180 million $140 million and $260 million $156 million of loans on which interest had been curtailed by the Federal Housing Administration (FHA), and therefore were no longer accruing interest, although principal was still insured, and $85 million $90 million and $108 million $96 million of loans on which interest was still accruing.

(2) Outstandings primarily includes auto and specialty lending loans and leases of $54.0 billion $54.1 billion and $51.8 billion $53.9 billion, U.S. securities-based lending loans of $46.5 billion $45.3 billion and $50.4 billion $46.0 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, and non-U.S. consumer loans of $2.7 billion and $2.8 billion at March 31, 2024 and $3.0 billion at September 30, 2023 and December 31, 2022 December 31, 2023.

(3) For more information on the fair value option, see *Note 15 – Fair Value Option* to the Consolidated Financial Statements.

(4) Excludes consumer loans accounted for under the fair value option. At September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023, $4 million and $7 million of loans accounted for under the fair value option were past due 90 days or more and not accruing interest.

n/a = a= not applicable

Table 18 17 presents net charge-offs and related ratios for consumer loans and leases.

Table 18 Consumer Net Charge-offs and Related Ratios

Table 17

Table 17

	Net Charge-offs		Net Charge-off Ratios (1)	
Table 17				
	Three Months Ended September 30	Nine Months Ended September 30	Three Months Ended September 30	Nine Months Ended September 30
	Net Charge-offs			
	Net Charge-offs			
	Net Charge-offs		Net Charge-off Ratios (1)	
	Three Months Ended March 31		Three Months Ended March 31	
(Dollars in millions)				
(Dollars in millions)				

(Dollars in millions)	(Dollars in millions)	2023	2022	2023	2022	2023	2022	2023	2022
Residential mortgage	Residential mortgage	**$ 2**	$ (3)	**$ 5**	$ 73	**— %**	(0.01)%	**— %**	0.04 %
Home equity	Home equity	**(14)**	(18)	**(42)**	(72)	**(0.22)**	(0.25)	**(0.22)**	(0.35)
Credit card	Credit card	**673**	328	**1,784**	948	**2.72**	1.53	**2.52**	1.55
Direct/Indirect consumer	Direct/Indirect consumer	**25**	9	**43**	17	**0.10**	0.03	**0.05**	0.02
Direct/Indirect consumer									
Direct/Indirect consumer									
Other consumer	Other consumer	**118**	143	**387**	358	**n/m**	n/m	n/m	n/m
Total	**Total**	**$804**	$459	**$2,177**	$1,324	**0.70**	0.41	**0.64**	0.40

	2024	2023		2024		2023
Residential mortgage	**$ 3**	$	$ 1	**0.01**	**0.01 %**	— %
Other consumer	**74**	162	162	**n/m**	**n/m**	n/m

(1) Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans and leases, excluding loans accounted for under the fair value option.

n/m = not meaningful

We believe that the presentation of information adjusted to exclude the impact of the fully-insured loan portfolio and loans accounted for under the fair value option is more representative of the ongoing operations and credit quality of the business. As a result, in the following tables and discussions of the residential mortgage and home equity portfolios, we exclude

loans accounted for under the fair value option and provide information that excludes the impact of the fully-insured loan portfolio in certain credit quality statistics.

Residential Mortgage

The residential mortgage portfolio made up the largest percentage of our consumer loan portfolio at 50 percent of consumer loans and leases at September 30, 2023 March 31, 2024. Approximately 51 percent of the residential mortgage portfolio was in *Consumer Banking,* 46 percent was in *GWIM* and the remaining portion was in *All Other*.

Outstanding balances in the residential mortgage portfolio decreased $504 million $968 million during the nine three months ended September 30, 2023, March 31, 2024, as paydowns and payoffs outpaced new originations.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the residential mortgage portfolio included $11.0 billion $10.6 billion and $11.7 billion $11.0 billion of outstanding fully-insured loans, of which $2.1 billion and $2.2 billion had FHA insurance, with the remainder protected by Fannie Mae long-term standby agreements.

Table 19 18 presents certain residential mortgage key credit statistics on both a reported basis and excluding the fully-insured loan portfolio. The following discussion presents the residential mortgage portfolio excluding the fully-insured loan portfolio.

Table 19 Residential Mortgage – Key Credit Statistics

Table 18

Table 18

Table 18

(Dollars in millions)	Reported Basis (1)	Excluding Fully-insured Loans (1)
	Reported Basis (1)	
	Reported Basis (1)	
	Reported Basis (1)	Excluding Fully-insured Loans (1)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	September 30 2023	December 31 2022	September 30 2023	December 31 2022		March 31 2024	December 31 2023	March 31 2024	December 31 2023
Outstandings	Outstandings	**$229,166**	$229,670	**$218,124**	$217,976					
Accruing past due 30 days or more	Accruing past due 30 days or more	**1,447**	1,471	**925**	844					
Accruing past due 90 days or more	Accruing past due 90 days or more	**265**	368	**—**	—					
Nonperforming loans (2)	Nonperforming loans (2)	**2,185**	2,167	**2,185**	2,167					
Percent of portfolio	**Percent of portfolio**					**Percent of portfolio**				
Refreshed LTV greater than 90 but less than or equal to 100	Refreshed LTV greater than 90 but less than or equal to 100	**1 %**	1 %	**1 %**	1 %	Refreshed LTV greater than 90 but less than or equal to 100	**1 %**	1 %	**1 %**	1 %
Refreshed LTV greater than 100	Refreshed LTV greater than 100	**—**	—	**—**	—					
Refreshed FICO below 620	Refreshed FICO below 620	**1**	1	**1**	1					

(1) Outstandings, accruing past due, nonperforming loans and percentages of portfolio exclude loans accounted for under the fair value option.

(2) Includes loans that are contractually current that have not yet demonstrated a sustained period of payment performance following a modification.

Nonperforming outstanding balances in the residential mortgage portfolio of $2.2 billion remained relatively unchanged during the nine three months ended September 30, 2023 March 31, 2024. Of the nonperforming residential mortgage loans at September 30, 2023 March 31, 2024, $1.3 billion, or 61 64 percent, were current on contractual payments. Loans accruing past due 30 days or more increased $81 million decreased $154 million.

Of the $218.1 billion $216.8 billion in total residential mortgage loans outstanding at September 30, 2023 March 31, 2024, $62.8 billion $62.9 billion, or 29 percent, of loans were originated as interest-only. The outstanding balance of interest-only residential mortgage loans that had entered the amortization period was $3.5 billion $3.6 billion, or six percent, at September 30, 2023 March 31, 2024. Residential mortgage loans that have entered the amortization period generally experience a higher rate of early stage delinquencies and nonperforming status compared to the residential mortgage portfolio as a whole. At September 30, 2023 March 31, 2024, $66 million $51 million, or two one percent, of outstanding interest-only residential mortgages that had entered the amortization period were accruing past due 30 days or more compared to $925 million $832 million, or less than one percent, for the entire residential mortgage portfolio. In addition, at September 30, 2023 March 31, 2024, $199 million, $188

million, or six five percent, of outstanding interest-only residential mortgage loans that had entered the amortization period were nonperforming, of which $63 million $62 million were contractually current. Loans that have yet to enter the amortization period in our interest-only residential mortgage portfolio are primarily well-collateralized loans to our wealth management clients and have an interest-only period of 3 three years to 10 years. Substantially all of these loans that have yet to enter the amortization period will not be required to make a fully-amortizing payment until 2025 or later.

Table 20 19 presents outstandings, nonperforming loans and net charge-offs by certain state concentrations for the residential mortgage portfolio. The Los Angeles-Long Beach-Santa Ana Metropolitan Statistical Area (MSA) within California represented 14 percent of outstandings at both September 30, 2023 and December 31, 2022. In the New York area, the New York-Northern New Jersey-Long Island MSA Metropolitan Statistical Area (MSA) made up 15 percent of outstandings at both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The Los Angeles-Long Beach-Santa Ana MSA within California represented 14 percent of outstandings at both March 31, 2024 and December 31, 2023.

Table 20 Residential Mortgage State Concentrations

Table 19

Table 19

Table 19

Outstandings (1)

Outstandings (1)

Outstandings (1)

March 31 2024

March 31 2024

March 31 2024

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)

	Outstandings (1)		Nonperforming (1)		Net Charge-offs			
					Three Months Ended September 30		Nine Months Ended September 30	
(Dollars in millions)	September 30 2023	December 31 2022	September 30 2023	December 31 2022	2023	2022	2023	2022
California	**$ 81,168**	$ 80,878	**$ 671**	$ 656	**$ 1**	$ (2)	**$ —**	$ 38
New York	**26,031**	26,228	**331**	328	**—**	(1)	**3**	4
Florida	**15,445**	15,225	**135**	145	**—**	—	**(2)**	(1)
Texas	**9,404**	9,399	**93**	88	**—**	—	**1**	1
New Jersey	**8,724**	8,810	**99**	96	**—**	(1)	**(1)**	2
Other	**77,352**	77,436	**856**	854	**1**	1	**4**	29
Residential mortgage loans	**$ 218,124**	$ 217,976	**$ 2,185**	$ 2,167	**$ 2**	$ (3)	**$ 5**	$ 73
Fully-insured loan portfolio	**11,042**	11,694						
Total residential mortgage loan portfolio	**$ 229,166**	$ 229,670						

California
California
New York
New York
Florida
Florida
Texas
Texas
New Jersey
New Jersey
Other
Other
Residential mortgage loans
Residential mortgage loans
Fully-insured loan portfolio
Fully-insured loan portfolio
Total residential mortgage loan portfolio
Total residential mortgage loan portfolio

(1) Outstandings and nonperforming loans exclude loans accounted for under the fair value option.

Home Equity

At September 30, 2023 March 31, 2024, the home equity portfolio made up six percent of the consumer portfolio and was comprised of home equity lines of credit (HELOCs), home equity loans and reverse mortgages. HELOCs generally have an initial draw period of 10 years, and after the initial draw period ends, the loans generally convert to 15- or 20-year amortizing loans. We no longer originate home equity loans or reverse mortgages.

At September 30, 2023 March 31, 2024, 83 84 percent of the home equity portfolio was in *Consumer Banking*, seven ten percent was in *All Other GWIM* and the remainder of the portfolio was primarily in *GWIM All Other.*. Outstanding balances in the home equity portfolio decreased $1.1 billion $342 million during the nine three months ended September 30, 2023 March 31, 2024 primarily due to paydowns outpacing draws on existing lines and new new originations. Of the total home equity portfolio at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, $10.2 billion $9.8 billion and $11.1 billion $10.1 billion, or 40 39 percent and 42 percent, as of both periods, were in first-lien positions. At September 30, 2023 March 31, 2024, outstanding balances in the home equity portfolio that were in a second-lien or more junior-lien position and where we also held the first-lien loan totaled $4.4 billion, or 17 percent, of our total home equity portfolio.

Unused HELOCs totaled $45.0 billion $45.5 billion and $42.4 billion $45.1 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The HELOC utilization rate was 35 percent at both March 31, 2024 and 38 percent at September 30, 2023 and December 31, 2022 December 31, 2023.

Table 21 20 presents certain home equity portfolio key credit statistics.

Table 21 **Home Equity – Key Credit Statistics** (1)

Table 20

Table 20

Table 20 **Home Equity – Key Credit Statistics** (1)

(Dollars in millions)	(Dollars in millions)	September 30 2023	December 31 2022
(Dollars in millions)			
(Dollars in millions)			
Outstandings			
Outstandings			
Outstandings	Outstandings	**$ 25,492**	$ 26,563
Accruing past due 30 days or more	Accruing past due 30 days or more	**94**	96
Accruing past due 30 days or more			
Accruing past due 30 days or more			
Nonperforming loans (2)			
Nonperforming loans (2)			
Nonperforming loans (2)	Nonperforming loans (2)	**479**	510
Percent of portfolio	**Percent of portfolio**		
Percent of portfolio			
Percent of portfolio			
Refreshed CLTV greater than 90 but less than or equal to 100			

Refreshed CLTV greater than 90 but less than or equal to 100			
Refreshed CLTV greater than 90 but less than or equal to 100	Refreshed CLTV greater than 90 but less than or equal to 100	**— %**	— %
Refreshed CLTV greater than 100	Refreshed CLTV greater than 100	**—**	—
Refreshed CLTV greater than 100			
Refreshed CLTV greater than 100			
Refreshed FICO below 620			
Refreshed FICO below 620			
Refreshed FICO below 620	Refreshed FICO below 620	**3**	2

(1) Outstandings, accruing past due, nonperforming loans and percentages of the portfolio exclude loans accounted for under the fair value option.

(2) Includes loans that are contractually current that have not yet demonstrated a sustained period of payment performance following a modification.

Nonperforming outstanding balances in the home equity portfolio decreased $31 million $12 million to $479 million $438 million at September 30, 2023 March 31, 2024, primarily driven by paydowns and payoffs and returns to performing status and paydowns outpacing new additions. Of the nonperforming home equity loans at September 30, 2023 March 31, 2024, $273 million $255 million, or 57 58 percent, were current on contractual payments. In addition, $118 million $101 million, or 25 23 percent, were 180 days or more past due and had been written down to the estimated fair value of the collateral, less costs to sell. Accruing loans that were 30 days or more past due remained relatively unchanged during the nine three months ended September 30, 2023 March 31, 2024.

Of the $25.5 billion $25.2 billion in total home equity portfolio outstandings at September 30, 2023 March 31, 2024, as shown in Table 21, 11 20, 10 percent require interest-only payments. The outstanding balance of HELOCs that had reached the end of their draw period and entered the amortization period was $4.3 billion $3.8 billion at September 30, 2023. March 31, 2024. The HELOCs that have entered the amortization period have experienced a higher percentage of early stage delinquencies and nonperforming status when compared to the HELOC portfolio as a whole. At September 30, 2023 March 31, 2024, $45 million $33 million, or one percent, of outstanding HELOCs that had entered the amortization period were accruing past due 30 days or more. In addition, at September 30, 2023 March 31, 2024, $310 million $274 million, or seven percent, were nonperforming.

For our interest-only HELOC portfolio, we do not actively track how many of our home equity customers pay only the minimum amount due on their home equity loans and lines; however, we can infer some of this information through a review of our HELOC portfolio that we service and is still in its revolving period. During the three months ended September 30, 2023 March 31, 2024, 29 28 percent of these customers with an outstanding balance did not pay any principal on their HELOCs.

Table 22 21 presents outstandings, nonperforming balances and net recoveries by certain state concentrations for the home equity portfolio. In the New York area, the New York-Northern New Jersey-Long Island MSA made up 12 11 percent of the outstanding home equity portfolio at both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The Los Angeles-Long Beach-Santa Ana MSA within California made up 10 11 percent and 11 10 percent of the outstanding home equity portfolio at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 22 Home Equity State Concentrations

Table 21

Table 21

Table 21

	Outstandings (1)

Outstandings (1)

	Outstandings (1)		Nonperforming (1)		Net Charge-Offs			
	March 31 2024							
	March 31 2024				Three Months Ended September 30		Nine Months Ended September 30	
	September 30 2023	December 31 2022	September 30 2023	December 31 2022				
(Dollars in millions)	March 31 2024	December 31 2023	March 31 2024	December 31 2023	Three Months Ended March 31 2024	2023		
(Dollars in millions)	September 30	December 31	September 30	December 31	2023	2022	2023	2022
California	2023	2022	2023	$ (3) 2022	$ (4)	$ (5)	$(17)	
Florida	2,599	2,743	57	63	(3)	(5)	(8)	(18)
New Jersey	1,898	2,047	48	53	—	(1)	(3)	(1)
New York	1,637	1,806	75	80	(2)	(1)	(6)	(4)
Texas	1,358	1,284	15	14	—	—	—	—
Other	11,052	11,277	168	181	(6)	(7)	(20)	(32)
Total home equity loan portfolio	$ 25,492	$ 26,563	$ 479	$ 510	$(14)	$(18)	$(42)	$(72)

(1) Outstandings and nonperforming loans exclude loans accounted for under the fair value option.

Credit Card

At September 30, 2023 March 31, 2024, 97 percent of the credit card portfolio was managed in *Consumer Banking* with the remainder in *GWIM*. Outstandings in the credit card portfolio increased $6.3 billion decreased $3.7 billion during the nine three months ended September 30, 2023 March 31, 2024 to $99.7 billion as $98.5 billion primarily driven by a seasonal decline in purchase volume and card transfers more than offset payments. volume. Net charge-offs increased $345 million $398 million to $673 $899 million and $836 million to $1.8 billion during the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022, 2023 primarily due to late-stage delinquent credit card credit card loans that were charged off. Credit card loans 30 days or more past due and still accruing interest increased $592 million $27 million, and 90 days or more past due and still accruing interest increased $299 million $75 million at September 30, 2023 March 31, 2024.

Unused lines of credit for credit card increased to $391.3 billion $395.5 billion at September 30, 2023 March 31, 2024 from $370.1 billion $390.2 billion at December 31, 2022 December 31, 2023.

Table 23 22 presents certain state concentrations for the credit card portfolio.

Table 23 Credit Card State Concentrations

Table 22

Table 22

Table 22

	Outstandings	Accruing Past Due 90 Days or More	Net Charge-offs
	Outstandings		
	Outstandings		
	Outstandings		
	March 31		

(Dollars in millions)	March 31 2024 / September 30 2023	December 31 2022	September 30 2023	December 31 2022	Three Months Ended September 30 2023	2022	Nine Months Ended September 30 2023	2022
California			$ 120		$ 58	$ 317	$ 164	
Florida	10,205	9,512	139	100	89	44	238	130
Texas	8,767	8,125	104	72	64	30	169	87
New York	5,702	5,381	72	56	52	25	142	71
Washington	5,217	4,844	33	21	21	9	53	25
Other	53,378	50,196	490	342	327	162	865	471
Total credit card portfolio	$ 99,687	$ 93,421	$ 1,016	$ 717	$ 673	$ 328	$ 1,784	$ 948

Direct/Indirect Consumer

At September 30, 2023 March 31, 2024, 52 53 percent of the direct/indirect portfolio was included in *Consumer Banking* (consumer auto and recreational vehicle lending) and 48 47 percent was included in *GWIM* (principally securities-based lending loans). Outstandings in the direct/indirect portfolio decreased $2.2 billion $619 million during the nine three months ended September 30, 2023 March 31, 2024 to $104.1 billion $102.8 billion driven by declines in securities-based lending stemming from higher paydown activity due to higher interest rates, partially offset by growth in our auto portfolio.

rates.

Table 24 23 presents certain state concentrations for the direct/indirect consumer loan portfolio.

Table 24 Direct/Indirect State Concentrations

Table 23

Table 23

Table 23

(Dollars in millions)	Outstandings		Nonperforming		Net Charge-offs			
	March 31 2024				Three Months Ended September 30		Nine Months Ended September 30	
	September 30 2023	December 31 2022	September 30 2023	December 31 2022	2023	2022	2023	2022
California	$ 15,193	$ 15,516	$ 23	$ 12	$ 5	$ 1	$ 11	$ 4
Florida	13,606	13,783	15	10	3	2	6	2
Texas	9,743	9,837	13	9	2	2	5	3
New York	7,491	7,891	9	5	2	1	4	2
New Jersey	4,341	4,456	4	3	1	1	2	1
Other	53,685	54,753	64	38	12	2	15	5
Total direct/indirect loan portfolio	$ 104,059	$ 106,236	$ 128	$ 77	$ 25	$ 9	$ 43	$ 17

Other Consumer

Other consumer primarily consists of deposit overdraft balances. Net charge-offs increased $29 million decreased $88 million to $387 million $74 million during the nine three months ended September 30, 2023 March 31, 2024 compared to the same period in 2022, 2023, primarily driven by higher lower overdraft losses due to industry-wide increases in check from fraud activity.

Nonperforming Consumer Loans, Leases and Foreclosed Properties Activity

Table 25 24 presents nonperforming consumer loans, leases and foreclosed properties activity for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. Nonperforming 2023. During the three months ended March 31, 2024, nonperforming consumer loans of $2.8 billion $2.7 billion remained relatively unchanged during the nine months ended September 30, 2023. unchanged.

At September 30, 2023 March 31, 2024, $502 million $487 million, or 18 percent, of nonperforming loans were 180 days or more past due and had been written down to their estimated property value less costs to sell. In addition, at September 30, 2023 March 31, 2024, $1.6 billion $1.7 billion, or 59 61 percent, of nonperforming consumer loans were current and classified as nonperforming loans in accordance with applicable policies.

Foreclosed properties decreased increased $9 million during the nine three months ended September 30, 2023 March 31, 2024 to $112 million.

Table 25 Nonperforming Consumer Loans, Leases and Foreclosed Properties Activity

27Bank of America

(Dollars in millions)	Three Months Ended September 30 2023	Three Months Ended September 30 2022	Nine Months Ended September 30 2023	Nine Months Ended September 30 2022
Nonperforming loans and leases, beginning of period	**$ 2,729**	$ 2,866	**$ 2,754**	$ 2,989
Additions	**297**	236	**808**	1,245
Reductions:				
Paydowns and payoffs	**(117)**	(124)	**(351)**	(446)
Sales	**(2)**	(1)	**(6)**	(401)
Returns to performing status (1)	**(91)**	(193)	**(353)**	(552)
Charge-offs	**(13)**	(12)	**(38)**	(50)
Transfers to foreclosed properties	**(11)**	(12)	**(22)**	(25)
Total net additions/(reductions) to nonperforming loans and leases	**63**	(106)	**38**	(229)
Total nonperforming loans and leases, September 30	**2,792**	2,760	**2,792**	2,760
Foreclosed properties, September 30	**112**	125	**112**	125
Nonperforming consumer loans, leases and foreclosed properties, September 30 (2)	**$ 2,904**	$ 2,885	**$ 2,904**	$ 2,885
Nonperforming consumer loans and leases as a percentage of outstanding consumer loans and leases (3)	**0.61 %**	0.61 %		
Nonperforming consumer loans, leases and foreclosed properties as a percentage of outstanding consumer loans, leases and foreclosed properties (3)	**0.63**	0.64		

Table 24 Nonperforming Consumer Loans, Leases and Foreclosed Properties Activity

(Dollars in millions)	Three Months Ended March 31 2024	Three Months Ended March 31 2023
Nonperforming loans and leases, January 1	**$ 2,712**	$ 2,754
Additions	**254**	253
Reductions:		
Paydowns and payoffs	**(131)**	(103)
Sales	**(1)**	(2)
Returns to performing status (1)	**(113)**	(170)
Charge-offs	**(10)**	(12)
Transfers to foreclosed properties	**(14)**	(6)
Total net reductions to nonperforming loans and leases	**(15)**	(40)
Total nonperforming loans and leases, March 31	**2,697**	2,714
Foreclosed properties, March 31	**112**	117
Nonperforming consumer loans, leases and foreclosed properties, March 31 (2)	**$ 2,809**	$ 2,831
Nonperforming consumer loans and leases as a percentage of outstanding consumer loans and leases (3)	**0.59 %**	0.60 %
Nonperforming consumer loans, leases and foreclosed properties as a percentage of outstanding consumer loans, leases and foreclosed properties (3)	**0.62**	0.63

(1) Consumer loans may be returned to performing status when all principal and interest is current and full repayment of the remaining contractual principal and interest is expected, or when the loan otherwise becomes well-secured and is in the process of collection.

(2) Includes repossessed non-real estate assets of $19 million for both the three $22 million and nine months ended September 30, 2023 $0 at March 31, 2024 and $0 million for both the three and nine months ended September 30, 2022. 2023.

(3) Outstanding consumer loans and leases exclude loans accounted for under the fair value option.

Commercial Portfolio Credit Risk Management

Commercial credit risk is evaluated and managed with the goal that concentrations of credit exposure continue to be aligned with our risk appetite. We review, measure and manage concentrations of credit exposure by industry, product, geography, customer relationship and loan size. We also review, measure and manage commercial real estate loans by geographic location and property type. In addition, within our non-U.S. portfolio, we evaluate exposures by region and by country. Tables 30, 32 29, 31 and 35 34 summarize our concentrations. We also utilize syndications of exposure to third parties, loan sales, hedging and other risk mitigation techniques to manage the size and risk profile of the commercial credit portfolio. For more information on our industry concentrations, see Table 32 31 and Commercial Portfolio Credit Risk Management – Industry Concentrations on page 39. 32.

For more information on our accounting policies regarding delinquencies, nonperforming status, net charge-offs and loan modifications for the commercial portfolio, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K and *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* to the Consolidated Financial Statements. *Statements.*

35Bank of America

Commercial Credit Portfolio

Outstanding commercial loans and leases increased $1.0 billion $1.1 billion during the nine three months ended September 30, 2023 March 31, 2024 due to growth in U.S. commercial real estate, primarily in *Global Banking* and U.S. small business commercial. *GWIM*. During the nine three months ended September 30, 2023 March 31, 2024, commercial credit quality deteriorated as nonperforming commercial loans and reservable criticized utilized exposure increased primarily driven by the commercial real estate office property type; however, type, and reservable criticized utilized exposure increased primarily driven by U.S. commercial increases across a broad range of industries. Commercial net charge-offs increased $316 million to $470 million during the three months ended March 31, 2024 compared to the same period in 2023 primarily due to higher losses in the commercial net charge-off ratio of 0.10 percent for the nine months ended September 30, 2023 remained low. real estate office portfolio.

With the exception of the office property type, which is further discussed in the Commercial Real Estate section herein, credit quality of commercial real estate borrowers has remained relatively stable since December 31, 2022 December 31, 2023; however, we are closely monitoring emerging trends and borrower performance in the increased higher interest rate environment and emerging trends. Many commercial real estate markets are still experiencing disruptions in demand, supply chain challenges, tenant difficulties and challenging capital markets. environment. Recent demand for office space has been stagnant, and future demand for office space continues to be uncertain as companies evaluate space needs with employment models that utilize a mix of remote and conventional office use.

The commercial allowance for loan and lease losses decreased $325 million $85 million during the nine three months ended September 30, 2023 March 31, 2024 to $5.1 billion, primarily driven by certain improved macroeconomic conditions. $4.7 billion. For more information, see Allowance for Credit Losses on page 42. 35.

Total commercial utilized credit exposure decreased $4.0 billion $546 million during the nine three months ended September 30, 2023 March 31, 2024 to $700.9 billion $695.8 billion primarily driven by lower standby letters of credit (SBLCs) and financial guarantees and debt securities and other investments. derivative assets. The utilization rate for loans and leases, SBLCs standby letters of credit (SBLCs) and financial guarantees, and commercial letters of credit, in the aggregate, was 55 percent at both March 31, 2024 and 56 percent at September 30, 2023 and December 31, 2022 December 31, 2023.

Table 26 25 presents commercial credit exposure by type for utilized, unfunded and total binding committed credit exposure. Commercial utilized credit exposure includes SBLCs and financial guarantees and commercial letters of credit that have been issued and for which we are legally bound to advance funds under prescribed conditions during a specified time period, and excludes exposure related to trading account assets. Although funds have not yet been advanced, these exposure types are considered utilized for credit risk management purposes.

Table 26 Commercial Credit Exposure by Type

	Commercial Utilized (1)		Commercial Unfunded (2, 3, 4)		Total Commercial Committed	
	September 30		September 30		September 30	
(Dollars in millions)	2023	December 31 2022	2023	December 31 2022	2023	December 31 2022
Loans and leases	$ 590,370	$ 589,362	$ 507,139	$ 487,772	$ 1,097,509	$ 1,077,134
Derivative assets (5)	47,464	48,642	—	—	47,464	48,642
~~Standby letters of credit and financial guarantees~~	~~31,601~~	~~33,376~~	~~1,833~~	~~1,266~~	~~33,434~~	~~34,642~~
Debt securities and other investments	17,922	20,195	3,705	2,551	21,627	22,746
Loans held-for-sale	6,377	6,112	2,332	3,729	8,709	9,841
Operating leases	5,368	5,509	—	—	5,368	5,509
Commercial letters of credit	947	973	254	28	1,201	1,001
Other	856	698	—	—	856	698
Total	$ 700,905	$ 704,867	$ 515,263	$ 495,346	$ 1,216,168	$ 1,200,213

Table 25 Commercial Credit Exposure by Type

	Commercial Utilized (1)		Commercial Unfunded (2, 3, 4)		Total Commercial Committed	
(Dollars in millions)	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024	December 31 2023
Loans and leases	$ 594,884	$ 593,767	$ 510,338	$ 507,641	$ 1,105,222	$ 1,101,408
Derivative assets (5)	36,236	39,323	—	—	36,236	39,323
Standby letters of credit and financial guarantees	31,396	31,348	1,861	1,953	33,257	33,301
Debt securities and other investments	18,247	20,422	4,299	3,083	22,546	23,505
Loans held-for-sale	7,821	4,338	4,673	4,904	12,494	9,242
Operating leases	5,281	5,312	—	—	5,281	5,312
Commercial letters of credit	1,042	943	248	232	1,290	1,175
Other	846	846	—	—	846	846
Total	$ 695,753	$ 696,299	$ 521,419	$ 517,813	$ 1,217,172	$ 1,214,112

(1) Commercial utilized exposure includes loans of $4.0 billion $2.7 billion and $5.4 billion $3.3 billion accounted for under the fair value option at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(2) Commercial unfunded exposure includes commitments accounted for under the fair value option with a notional amount of $1.8 billion $3.1 billion and $3.0 billion $2.6 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(3) Excludes unused business card lines, which are not legally binding.

(4) Includes the notional amount of unfunded legally binding lending commitments, net of amounts distributed (i.e., syndicated or participated) to other financial institutions. The distributed amounts were $10.6 billion $9.9 billion and $10.4 billion $10.3 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(5) Derivative assets are carried at fair value, reflect the effects of legally enforceable master netting agreements and have been reduced by cash collateral of $32.9 billion $27.9 billion and $33.8 billion $29.4 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Not reflected in utilized and committed exposure is additional non-cash derivative collateral held of $53.9 billion $57.9 billion and $51.6 billion $56.1 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, which consists primarily of other marketable securities.

Nonperforming commercial loans increased $987 million $413 million during the nine three months ended September 30, 2023 March 31, 2024 primarily in commercial real estate, partially offset by non-U.S. commercial. estate. Table 27 26 presents our commercial loans and leases portfolio and related credit quality information at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 27 Commercial Credit Quality

Table 26

Table 26

Table 26 Commercial Credit Quality

Outstandings

Outstandings

Outstandings | Nonperforming | Accruing Past Due 90 Days or More

(Dollars in millions)

(Dollars in millions) | March 31 2024 | December 31 2023 | March 31 2024 | December 31 2023 | March 31 2024 | December 31 2023

(Dollars in millions)	Outstandings		Nonperforming		Accruing Past Due 90 Days or More	
	September 30 2023	December 31 2022	**September 30 2023**	December 31 2022	**September 30 2023**	December 31 2022
Commercial and industrial:						
U.S. commercial						
U.S. commercial	**$ 356,330**	$ 358,481	**$ 561**	$ 553	**$ 85**	$ 190
Non-U.S. commercial	**123,713**	124,479	**102**	212	**4**	25
Total commercial and industrial	**480,043**	482,960	**663**	765	**89**	215
Commercial real estate	**73,193**	69,766	**1,343**	271	**6**	46
Commercial lease financing	**13,904**	13,644	**18**	4	**5**	8
	567,140	566,370	**2,024**	1,040	**100**	269
572,250						
U.S. small business commercial (1)	**19,233**	17,560	**17**	14	**185**	355
Commercial loans excluding loans accounted for under the fair value option	**$ 586,373**	$ 583,930	**$ 2,041**	$ 1,054	**$ 285**	$ 624
Loans accounted for under the fair value option (2)	**3,997**	5,432				
Total commercial loans and leases	**$ 590,370**	$ 589,362				
Total commercial loans and leases						

Total commercial loans and leases

(1) Includes card-related products.

(2) Commercial loans accounted for under the fair value option includes U.S. commercial of $2.5 billion $1.7 billion and $2.9 billion $2.2 billion and non-U.S. commercial of $1.5 billion $965 million and $2.5 billion $1.2 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. For more information on the fair value option, see *Note 15 – Fair Value Option* to the Consolidated Financial Statements.

Table 28 27 presents net charge-offs and related ratios for our commercial loans and leases for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023.

Table 28 **Commercial Net Charge-offs and Related Ratios**

Table 27

Table 27

Table 27 **Commercial Net Charge-offs and Related Ratios**

	Net Charge-offs				Net Charge-off Ratios (1)			
	Three Months Ended September 30		Nine Months Ended September 30		Three Months Ended September 30		Nine Months Ended September 30	
(Dollars in millions)	**2023**	2022	**2023**	2022	**2023**	2022	**2023**	2022
Commercial and industrial:								
U.S. commercial	**$ 5**	$ 23	**$ 57**	$ 24	**0.01 %**	0.03 %	**0.02 %**	0.01 %
Non-U.S. commercial	**(2)**	(6)	**18**	(10)	**(0.01)**	(0.02)	**0.02**	(0.01)
Total commercial and industrial	**3**	17	**75**	14	**—**	0.01	**0.02**	—
Commercial real estate	**39**	13	**130**	32	**0.21**	0.08	**0.24**	0.07
Commercial lease financing	**3**	(1)	**3**	3	**0.08**	(0.05)	**0.02**	0.03
	45	29	**208**	49	**0.03**	0.02	**0.05**	0.01
	362							
U.S. small business commercial	**82**	32	**222**	110	**1.74**	0.72	**1.62**	0.82
Total commercial	**$ 127**	$ 61	**$ 430**	$ 159	**0.09**	0.04	**0.10**	0.04

Net Charge-offs

Net Charge-offs

Net Charge-offs

Three Months Ended March 31

(Dollars in millions)	Net Charge-offs: Three Months Ended March 31 **2024**	2023	Net Charge-off Ratios (1): Three Months Ended March 31 **2024**	2023
U.S. commercial				
U.S. commercial	**$ 66**	$ 47	**0.07 %**	0.05 %

(1) Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans and leases, excluding loans accounted for under the fair value option.

Table 29 28 presents commercial reservable criticized utilized exposure by loan type. Criticized exposure corresponds to the Special Mention, Substandard and Doubtful asset categories as defined by regulatory authorities. Total commercial reservable criticized utilized exposure increased $4.4 billion $1.2 billion during the nine three months ended September 30, 2023 March 31, 2024 primarily driven by the commercial real estate office property type and U.S. commercial, partially offset by non-U.S. commercial. At both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, 88 89 percent of commercial reservable criticized utilized exposure was secured.

Table 29 Commercial Reservable Criticized Utilized Exposure (1, 2)

Table 28

Table 28

Table 28

Table 28

Table 28

Table 28

Table 28

Table 28

Table 28 Commercial Reservable Criticized Utilized Exposure (1, 2)

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	September 30, 2023		December 31, 2022		March 31 2024			December 31 2023		
Commercial and industrial:										
U.S. commercial	$ 12,738	3.33 %	$ 10,724	2.78 %	U.S. commercial $ 12,972	3.34	3.34 %	$ 12,006	3.12	3.12 %
Non-U.S. commercial	2,067	1.60	2,665	2.04						
Total commercial and industrial	14,805	2.89	13,389	2.59						
Commercial real estate	8,164	10.95	5,201	7.30						
Commercial lease financing	201	1.44	240	1.76						
	23,170	3.86	18,830	3.13						
	23,916									
U.S. small business commercial	552	2.87	444	2.53						
Total commercial reservable criticized utilized exposure	$ 23,722	3.83	$ 19,274	3.12						

(1) Total commercial reservable criticized utilized exposure includes loans and leases of $22.8 billion $23.7 billion and $18.5 billion $22.5 billion and commercial letters of credit of $920 million $847 million and $817 million $795 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(2) Percentages are calculated as commercial reservable criticized utilized exposure divided by total commercial reservable utilized exposure for each exposure category.

Commercial and Industrial

Commercial and industrial loans include U.S. commercial and non-U.S. commercial portfolios.

U.S. Commercial

At September 30, 2023 March 31, 2024, 62 percent of the U.S. commercial loan portfolio, excluding small business, was managed in *Global Banking,* 22 percent in *Global Markets*, 14 percent in *GWIM* (loans that provide financing for asset purchases, business investments and other liquidity needs for high net worth clients) and the remainder primarily in *Consumer Banking*. U.S. commercial loans decreased $2.2 billion increased $3.8 billion, or one percent, during the nine three months ended September 30, 2023 March 31, 2024 primarily driven by *Global Banking. Banking* and *GWIM.* Reservable criticized utilized exposure increased $2.0 billion $1.0 billion, or 19 eight percent, driven by increases across a broad range of industries.

Non-U.S. Commercial

At September 30, 2023 March 31, 2024, 63 61 percent of the non-U.S. commercial loan portfolio was managed in *Global Banking,* 36 38 percent in *Global Markets* and the remainder primarily in *GWIM GWIM.*. Non-U.S. commercial loans decreased $766 million $1.5 billion, or one percent, during the nine three months ended September 30, 2023 March 31, 2024 primarily driven by *Global Banking*. Reservable criticized utilized exposure decreased $598 million increased $155 million, or 22 percent, due to upgrades and sales of Russian exposure. nine percent. For information on the non-U.S. commercial portfolio, see Non-U.S. Portfolio on page 41. 34.

Commercial Real Estate

Commercial real estate primarily includes commercial loans secured by non-owner-occupied real estate and is dependent on the sale or lease of the real estate as the primary source of repayment. Outstanding loans increased $3.4 billion decreased $1.2 billion, or five two percent, during the nine three months ended September 30, 2023 March 31, 2024 to $73.2 71.7 billion with increases decreases across multiple property types. The commercial real estate portfolio is primarily managed in *Global Banking* and consists of loans made primarily to public and private developers, and commercial real estate firms. The portfolio remains diversified across property types and geographic regions. California represented the largest state concentration at 20 percent and 19 percent of commercial real estate at September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023.

Reservable criticized utilized exposure increased $3.0 billion $75 million, or 57 one percent, during the nine three months ended September 30, 2023, primarily driven by office loans. March 31, 2024. Office loans represented the largest property type concentration at 25 24 percent of the commercial real estate portfolio at September 30, 2023 March 31, 2024, but only represented and approximately two percent of total loans for the Corporation. This property type is roughly 75 percent Class A and has had an origination loan-to-value of approximately 55 percent. Reservable criticized exposure for the office property type was $5.1 billion $5.6 billion at September 30, 2023 March 31, 2024, and approximately $8.7 billion $7.0 billion of office loans are scheduled to mature by the end of 2024. Although we have seen collateral value declines in this property type, the majority of these loans remain adequately secured as of September 30, 2023.

For During the three and nine months ended September 30, 2023 and 2022, we continued March 31, 2024, net charge-offs increased by $282 million to see low default rates. $304 million compared to the same period in 2023 driven by office loans. We use a number of proactive risk mitigation initiatives to reduce adversely rated exposure in the commercial real estate portfolio, including transfers of deteriorating exposures for management by independent special asset officers and the pursuit of loan restructurings or asset sales to achieve the best results for our customers and the Corporation.

Table 30 29 presents outstanding commercial real estate loans by geographic region, based on the geographic location of the collateral, and by property type.

Table 30 Outstanding Commercial Real Estate Loans

(Dollars in millions)	September 30 2023	December 31 2022
By Geographic Region		
Northeast	$ 15,964	$ 15,601
California	14,387	[illegible]
Southwest	9,401	8,723
Southeast	8,336	7,713
Florida	5,119	5,374
Midwest	3,445	3,419
Illinois	3,425	3,327
Midsouth	2,719	2,716
Northwest	2,030	1,959
Non-U.S.	5,933	5,518
Other	2,434	2,056
Total outstanding commercial real estate loans	$ 73,193	$ 69,766
By Property Type		
Non-residential		
Office	$ 18,122	$ 18,230
Industrial / Warehouse	14,430	13,775
Multi-family rental	11,232	10,412
Shopping centers / Retail	5,806	5,830
Hotel / Motels	5,569	5,696
Multi-use	2,762	2,403
Other	14,115	12,241
Total non-residential	72,036	68,587

Table 29 Outstanding Commercial Real Estate Loans

(Dollars in millions)	March 31 2024	December 31 2023
By Geographic Region		
Northeast	$ 15,743	$ 15,920
California	13,988	14,551
Southwest	9,073	9,318
Southeast	8,212	8,368
Florida	4,968	4,986
Illinois	3,341	3,361
Midwest	2,972	3,149
Midsouth	2,858	2,785
Northwest	2,172	2,095
Non-U.S.	6,155	6,052
Other	2,170	2,293
Total outstanding commercial real estate loans	$ 71,652	$ 72,878

By Property Type / **Residential**	**1,157**	1,179
Total outstanding commercial real estate loans / **Non-residential**	**$ 73,193**	$ 69,766
Office	**$ 17,442**	$ 17,976
Industrial / Warehouse	**14,635**	14,746
Multi-family rental	**11,414**	10,606
Shopping centers / Retail	**5,682**	5,756
Hotel / Motels	**5,434**	5,665
Multi-use	**2,491**	2,681
Other	**13,835**	14,201
Total non-residential	**70,933**	71,631
Residential	**719**	1,247
Total outstanding commercial real estate loans	**$ 71,652**	$ 72,878

U.S. Small Business Commercial

The U.S. small business commercial loan portfolio is comprised of small business card loans and small business loans primarily managed in *Consumer Banking* and included $415 million and $1.0 billion of PPP loans outstanding at September 30, 2023 and December 31, 2022. PPP loans decreased $593 million during the nine months ended September 30, 2023 primarily due to repayment of the loans by the Small Business Administration (SBA) under the terms of the program. Excluding PPP, credit Credit card-related products were 55 percent and 53 54 percent of the U.S. small business commercial portfolio at September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023 and represented 100 98 percent and of net charge-offs compared to 99 percent of the net charge-offs for the three and nine months ended September 30, 2023 compared to 100 percent for both the three and nine months ended September 30, 2022 March 31, 2023. The decrease of $170 million in accruing Accruing past due 90 days or more for increased $15 million in the nine three months ended September 30, 2023 was March 31, 2024 driven by deteriorating asset quality in the repayment of PPP loans, which are fully guaranteed by the SBA. small business card portfolio.

Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity

Table 31 30 presents the nonperforming commercial loans, leases and foreclosed properties activity during the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. Nonperforming loans do not include loans accounted for under the fair value option. During the nine three months ended September 30, 2023 March 31, 2024, nonperforming commercial loans and leases increased $987 million $413 million to $2.0 billion $3.2 billion. At September 30, 2023 March 31, 2024, 99 97 percent of commercial nonperforming loans, leases and foreclosed properties were secured, and 63 46 percent were contractually current. Commercial nonperforming loans were carried at 89 84 percent of their unpaid principal balance, as the carrying value of these loans has been reduced to the estimated collateral value less costs to sell.

Table 31 Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity (1, 2)

31Bank of America

(Dollars in millions)	Three Months Ended September 30 2023	2022	Nine Months Ended September 30 2023	2022
Nonperforming loans and leases, beginning of period	**$ 1,397**	$ 1,298	**$ 1,054**	$ 1,578
Additions	**875**	307	**1,778**	811
Reductions:				
Paydowns	**(153)**	(180)	**(396)**	(681)
Sales	**—**	(12)	**(3)**	(53)
Returns to performing status (3)	**(2)**	(148)	**(61)**	(299)
Charge-offs	**(67)**	(42)	**(242)**	(94)
Transfers to foreclosed properties	**—**	—	**(23)**	—
Transfers to loans held-for-sale	**(9)**	—	**(66)**	(89)
Total net additions / (reductions) to nonperforming loans and leases	**644**	(75)	**987**	(355)
Total nonperforming loans and leases, September 30	**2,041**	1,223	**2,041**	1,223
Foreclosed properties, September 30	**48**	48	**48**	48
Nonperforming commercial loans, leases and foreclosed properties, September 30	**$ 2,089**	$ 1,271	**$ 2,089**	$ 1,271
Nonperforming commercial loans and leases as a percentage of outstanding commercial loans and leases (4)	**0.35 %**	0.21 %		
Nonperforming commercial loans, leases and foreclosed properties as a percentage of outstanding commercial loans, leases and foreclosed properties (4)	**0.36**	0.22		

Table 30 Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity (1, 2)

(Dollars in millions)	Three Months Ended March 31 2024	2023
Nonperforming loans and leases, January 1	**$ 2,773**	$ 1,054
Additions	**1,006**	418
Reductions:		
Paydowns	**(220)**	(72)
Sales	**(1)**	—
Returns to performing status (3)	**(4)**	(52)
Charge-offs	**(368)**	(88)
Transfers to loans held-for-sale	**—**	(57)
Total net additions to nonperforming loans and leases	**413**	150
Total nonperforming loans and leases, March 31	**3,186**	1,204
Foreclosed properties, March 31	**39**	48
Nonperforming commercial loans, leases and foreclosed properties, March 31	**$ 3,225**	$ 1,252
Nonperforming commercial loans and leases as a percentage of outstanding commercial loans and leases (4)	**0.54 %**	0.20 %
Nonperforming commercial loans, leases and foreclosed properties as a percentage of outstanding commercial loans, leases and foreclosed properties (4)	**0.54**	0.21

(1) Balances do not include nonperforming loans held-for-sale of $173 million $379 million and $222 million $250 million at September 30, 2023 March 31, 2024 and 2022. 2023.

(2) Includes U.S. small business commercial activity. Small business card loans are excluded as they are not classified as nonperforming.

(3) Commercial loans and leases may be returned to performing status when all principal and interest is current and full repayment of the remaining contractual principal and interest is expected, when the loan otherwise becomes well-secured and is in the process of collection, or when a modified loan demonstrates a sustained period of payment performance.

(4) Outstanding commercial loans exclude loans accounted for under the fair value option.

Industry Concentrations

Table 32 31 presents commercial committed and utilized credit exposure by industry. For information on net notional credit protection purchased to hedge funded and unfunded exposures for which we elected the fair value option, as well as certain other credit exposures, see Commercial Portfolio Credit Risk Management – Risk Mitigation.

Commercial credit exposure is diversified across a broad range of industries. Total commercial committed exposure increased $16.0 billion $3.1 billion during the nine three months ended September 30, 2023 March 31, 2024 to $1.2 trillion. The increase in commercial committed exposure was concentrated in Asset managers and funds, Capital goods, Software and Retailing. services and Consumer services.

For information on industry limits, see Commercial Portfolio Credit Risk Management – Industry Concentrations Risk Mitigation in the MD&Aof the Corporation's 2022 2023 Annual Report on Form 10-K.

Asset managers and funds, our largest industry concentration with committed exposure of $173.5 billion $172.3 billion, increased $8.4 billion $3.0 billion, or two percent, during the three months ended March 31, 2024, which was primarily driven by exposure to the Capital markets industry group during the nine months ended September 30, 2023. investment-grade exposures.

Real estate, our second largest industry concentration with committed exposure of $99.8 billion remained relatively unchanged $99.3 billion decreased $931 million or one percent during the nine three months ended September 30, 2023 March 31, 2024. For more information on the commercial real estate and related portfolios, see Commercial Portfolio Credit Risk Management – Commercial Real Estate on page 38. 30.

Capital goods, our third largest industry concentration with committed exposure of $93.3 billion $94.7 billion, increased $6.0 billion decreased $2.3 billion, or seven two percent, during the nine three months ended September 30, 2023 March 31, 2024. The increase decrease in committed exposure occurred primarily as a result of increases decreases in Trading companies Industrial conglomerates and distributors Aerospace and Machinery, defense, partially offset by a decrease an increase in Industrial conglomerates. Building products.

There is Various macroeconomic challenges, including geopolitical tensions, inflationary pressures and elevated interest rates, have led to uncertainty in the U.S. and global economies due and have adversely impacted, and may continue to various macroeconomic challenges including geopolitical, inflationary pressures and elevated interest rates, and adversely impact, a number of industries may continue to be adversely impacted due to these conditions. industries. We continue to monitor all industries, particularly higher risk industries that are experiencing or could experience a more significant impact to their financial condition.

Table 32 **Commercial Credit Exposure by Industry (1)**

Table 31

Table 31

Table 31

(Dollars in millions)	(Dollars in millions)	Commercial Utilized September 30 2023	December 31 2022	Total Commercial Committed (2) September 30 2023	December 31 2022	Commercial Utilized March 31 2024	December 31 2023	Total Commercial Committed (2) March 31 2024	December 31 2023
Asset managers and funds	Asset managers and funds	$ **106,525**	$106,842	$ **173,531**	$ 165,087				
Real estate (3)	Real estate (3)	**73,318**	72,180	**99,840**	99,722				
Capital goods	Capital goods	**48,858**	45,580	**93,327**	87,314				
Finance companies	Finance companies	**56,733**	55,248	**81,968**	79,546				
Healthcare equipment and services	Healthcare equipment and services	**34,986**	33,554	**61,151**	58,761				
Materials									

Retailing	Retailing	**26,261**	24,785	**57,664**	53,714
Materials		**25,132**	26,304	**55,496**	55,589
Consumer services					
Food, beverage and tobacco	Food, beverage and tobacco	**22,609**	23,232	**49,678**	47,486
Consumer services		**27,735**	26,980	**49,395**	47,372
Government and public education	Government and public education	**32,058**	34,861	**46,602**	48,134
Individuals and trusts	Individuals and trusts	**32,297**	34,897	**43,323**	45,572
Commercial services and supplies	Commercial services and supplies	**24,089**	23,628	**42,992**	41,596
Utilities	Utilities	**17,806**	20,292	**38,220**	40,164
Energy					
Transportation	Transportation	**24,004**	22,273	**36,607**	33,858
Energy		**13,855**	15,132	**36,312**	36,043
Technology hardware and equipment					
Global commercial banks	Global commercial banks	**27,544**	27,217	**30,313**	29,293
Technology hardware and equipment		**10,796**	11,441	**29,812**	29,825
Software and services					
Media	Media	**14,427**	14,781	**25,817**	28,216
Software and services		**10,160**	12,961	**24,839**	25,633
Insurance		**11,357**	10,224	**21,811**	19,444
Vehicle dealers	Vehicle dealers	**14,359**	12,909	**21,334**	20,638
Consumer durables and apparel	Consumer durables and apparel	**9,437**	10,009	**20,462**	21,389
Pharmaceuticals and biotechnology	Pharmaceuticals and biotechnology	**7,294**	7,547	**20,244**	26,208
Insurance					
Telecommunication services	Telecommunication services	**9,276**	9,679	**17,005**	17,349
Automobiles and components	Automobiles and components	**7,207**	8,774	**15,447**	16,911
Food and staples retailing	Food and staples retailing	**7,973**	7,157	**13,698**	11,908
Financial markets infrastructure (clearinghouses)	Financial markets infrastructure (clearinghouses)	**2,409**	3,913	**4,762**	8,752
Religious and social organizations	Religious and social organizations	**2,400**	2,467	**4,518**	4,689
Total commercial credit exposure by industry	**Total commercial credit exposure by industry**	**$ 700,905**	$704,867	**$1,216,168**	$1,200,213
Total commercial credit exposure by industry					
Total commercial credit exposure by industry					

(1) Includes U.S. small business commercial exposure.

(2) Includes the notional amount of unfunded legally binding lending commitments, net of amounts distributed (i.e., syndicated or participated) to other financial institutions. The distributed amounts were $10.6 billion $9.9 billion and $10.4 billion $10.3 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(3) Industries are viewed from a variety of perspectives to best isolate the perceived risks. For purposes of this table, the real estate industry is defined based on the primary business activity of the borrowers or counterparties using operating cash flows and primary source of repayment as key factors.

Risk Mitigation

We purchase credit protection to cover the funded portion as well as the unfunded portion of certain credit exposures. To lower the cost of obtaining our desired credit protection levels, we may add credit exposure within an industry, borrower or counterparty group by selling protection.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, net notional credit default protection purchased in our credit derivatives portfolio to hedge our funded and unfunded exposures for which we elected the fair value option, as well as certain other credit exposures, was $8.9 billion $12.8 billion and $9.0 billion $10.9 billion. We recorded net losses of $23 million and $134 million $25 million for the three and nine months ended September 30, 2023 March 31, 2024 compared to net losses of $56 million and $66 million $77 million for the three and nine months ended September 30, 2022 March 31, 2023. The gains and losses on these instruments were largely offset by gains and losses on the related exposures. The Value-at-Risk (VaR) results for these exposures are included in the fair value option portfolio information in Table 38. 37. For more information, see Trading Risk Management on page 44. 37.

Tables 33 32 and 34 33 present the maturity profiles and the credit exposure debt ratings of the net credit default protection portfolio at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 32 Net Credit Default Protection by Maturity

	March 31 2024	December 31 2023
Less than or equal to one year	**32 %**	36 %
Greater than one year and less than or equal to five years	**68**	64
Greater than five years	**—**	—
Total net credit default protection	**100 %**	100 %

Table 33 Net Credit Default Protection by Maturity

	September 30 2023	December 31 2022
Less than or equal to one year	**52 %**	14 %
Greater than one year and less than or equal to five years	**47**	85
Greater than five years	**1**	1
Total net credit default protection	**100 %**	100 %

Table 34 Net Credit Default Protection by Credit Exposure Debt Rating

(Dollars in millions)	**Net Notional (1)**	**Percent of Total**	Net Notional (1)	Percent of Total
	September 30, 2023		December 31, 2022	
Ratings (2, 3)				
AAA	**$ (479)**	**5.4 %**	$ (379)	4.0 %
AA	**(865)**	**9.7**	(867)	10.0
A	**(4,222)**	**47.5**	(3,257)	36.0
BBB	**(1,921)**	**21.6**	(2,476)	28.0
BB	**(736)**	**8.3**	(1,049)	12.0
B	**(597)**	**6.7**	(676)	7.0
CCC and below	**(73)**	**0.8**	(93)	1.0
NR (4)	**2**	**—**	(182)	2.0
Total net credit default protection	**$ (8,891)**	**100.0 %**	$ (8,979)	100.0 %

Table 33 Net Credit Default Protection by Credit Exposure Debt Rating

(Dollars in millions)	**Net Notional (1)**	**Percent of Total**	Net Notional (1)	Percent of Total
	March 31 2024		December 31 2023	
Ratings (2, 3)				
AAA	**$ (399)**	**3.1 %**	$ (479)	4.4 %
AA	**(1,672)**	**13.0**	(1,080)	9.9
A	**(6,038)**	**47.1**	(5,237)	48.2
BBB	**(3,660)**	**28.5**	(2,912)	26.8
BB	**(623)**	**4.9**	(698)	6.4
B	**(395)**	**3.1**	(419)	3.9
CCC and below	**(37)**	**0.3**	(52)	0.5
NR (4)	**1**	**—**	2	(0.1)
Total net credit default protection	**$ (12,823)**	**100.0 %**	$ (10,875)	100.0 %

(1) Represents net credit default protection purchased.

(2) Ratings are refreshed on a quarterly basis.

(3) Ratings of BBB- or higher are considered to meet the definition of investment grade.

(4) NR is comprised of index positions held and any names that have not been rated.

For more information on credit derivatives and counterparty credit risk valuation adjustments, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Non-U.S. Portfolio

Our non-U.S. credit and trading portfolios are subject to country risk. We define country risk as the risk of loss from unfavorable economic and political conditions, currency fluctuations, social instability and changes in government policies. A risk management framework is in place to measure, monitor and manage non-U.S. risk and exposures. In addition to the direct risk of doing business in a country, we also are exposed to indirect country risks (e.g., related to the collateral received on secured financing transactions or related to client clearing activities). These indirect exposures are managed in the normal course of business through credit, market and operational risk governance rather than through country risk governance. For more information on our non-U.S. credit and trading portfolios, see Non-U.S. Portfolio in the MD&Aof the Corporation's 2022 2023 Annual Report on Form 10-K. For more information on risks related to our non-U.S. portfolio, see the Geopolitical section within Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K.

Table 35 34 presents our 20 largest non-U.S. country exposures at September 30, 2023 March 31, 2024. These exposures accounted for 90 percent and 89 percent of our total non-U.S. exposure at both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Net country exposure for these 20 countries decreased $27.0 billion $3.0 billion in 2023 2024 primarily driven by decreases in Canada, Japan, Germany Japan and France. Australia, partially offset by an increase in the United Kingdom.

Table 35 **Top 20 Non-U.S. Countries Exposure**

Table 34

Table 34

Table 34 **Top 20 Non-U.S. Countries Exposure**

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Funded Loans and Loan Equivalents	Unfunded Loan Commitments	Net Counterparty Exposure	Securities/ Other Investments	Country Exposure at September 30 2023	Hedges and Credit Default Protection	**Net Country Exposure at September 30 2023**	Increase (Decrease) from December 31 2022
United Kingdom	United Kingdom	$ 26,274	$ 18,599	$ 7,991	$ 4,606	$ 57,470	$ (3,037)	**$ 54,433**	$ (912)
Germany	Germany	21,785	9,912	1,325	2,563	35,585	(2,224)	**33,361**	(12,365)
Canada	Canada	12,090	9,625	1,085	3,501	26,301	(416)	**25,885**	312
France	France	14,031	7,956	901	1,433	24,321	(2,312)	**22,009**	(4,584)
Australia	Australia	13,915	5,045	721	2,438	22,119	(286)	**21,833**	1,616
Brazil									
Japan	Japan	8,505	1,792	1,432	4,592	16,321	(800)	**15,521**	(7,566)
Brazil		9,072	1,265	607	3,983	14,927	(55)	**14,872**	2,372
India	India	7,017	221	626	3,491	11,355	(43)	**11,312**	543
Singapore									
Ireland	Ireland	8,073	1,347	148	240	9,808	(21)	**9,787**	697
Singapore		4,562	491	214	4,220	9,487	(19)	**9,468**	(139)
South Korea		6,002	897	619	1,743	9,261	(41)	**9,220**	94
China		5,040	317	841	3,102	9,300	(238)	**9,062**	(1,746)
Mexico	Mexico	4,894	1,635	530	1,477	8,536	(57)	**8,479**	1,087
Switzerland	Switzerland	4,808	3,328	370	283	8,789	(773)	**8,016**	(2,672)
China									
South Korea									
Netherlands	Netherlands	2,814	4,394	822	414	8,444	(1,689)	**6,755**	(2,528)
Italy									
Hong Kong	Hong Kong	4,170	618	382	1,096	6,266	(15)	**6,251**	(1,020)
Spain	Spain	2,779	1,851	155	945	5,730	(386)	**5,344**	(497)
Italy		3,676	1,371	235	672	5,954	(787)	**5,167**	(501)

Funded Loans and Loan Equivalents	Unfunded Loan Commitments	Net Counterparty Exposure	Securities/ Other Investments	Country Exposure at March 31 2024	Hedges and Credit Default Protection	**Net Country Exposure at March 31 2024**	Increase (Decrease) from December 31 2023

Belgium	Belgium	1,536	1,513	345	1,021	4,415	(214)	**4,201**	338
Sweden	Sweden	1,326	1,810	111	219	3,466	(406)	**3,060**	456
Total top 20 non-U.S. countries exposure	**Total top 20 non-U.S. countries exposure**	$ 162,369	$ 73,987	$ 19,460	$ 42,039	$ 297,855	$(13,819)	**$ 284,036**	$ (27,015)

Our largest non-U.S. country exposure at September 30, 2023 March 31, 2024 was the United Kingdom with net exposure of $54.4 billion $61.9 billion, which represents a decrease an increase of $912 million $6.0 billion from December 31, 2022 December 31, 2023. The decrease increase was primarily driven by lower exposure higher deposits with financial institutions. the central bank. Our second largest non-U.S. country exposure was Germany with net exposure of $33.4 billion $34.1 billion at September 30, 2023 March 31, 2024, a decrease of $12.4 billion $1.6 billion from December 31, 2022 December 31, 2023. The decrease was primarily driven by lower deposits exposure with the central bank.

financial institutions.

Allowance for Credit Losses

The allowance for credit losses increased $418 million decreased $180 million from December 31, 2022 December 31, 2023 to $14.6 billion $14.4 billion at September 30, 2023 March 31, 2024, which included a $921 million reserve increase related to the consumer portfolio and a $503 $111 million reserve decrease related to the commercial portfolio and a $69 million reserve decrease related to the consumer portfolio. The increase decrease in the allowance reflected a reserve build in our consumer portfolio primarily due to credit card loan growth and asset quality, partially offset by a reserve release in our commercial portfolio was primarily driven by certain the commercial portfolio due to an improved macroeconomic conditions. The allowance also includes the impact of the accounting change to remove the recognition and measurement guidance on troubled debt restructurings, which reduced the allowance for credit losses by $243 million on January 1, 2023. For more information on this change in accounting guidance, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements. outlook.

Table 36 35 presents an allocation of the allowance for credit losses by product type at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 36 Allocation of the Allowance for Credit Losses by Product Type

Table 35

Table 35

Table 35

(Dollars in millions)	September 30, 2023 Amount	Percent of Total	Percent of Loans and Leases Outstanding (1)	December 31, 2022 Amount	Percent of Total	Percent of Loans and Leases Outstanding (1)
Allowance for loan and lease losses						
Residential mortgage	$ 344	2.59 %	0.15 %	$ 328	2.59 %	0.14 %
Home equity	68	0.51	0.27	92	0.73	0.35
Credit card	6,987	52.59	7.01	6,136	48.38	6.57

(Dollars in millions)	March 31, 2024 Amount	Percent of Total	Percent of Loans and Leases Outstanding (1)	December 31, 2023 Amount	Percent of Total	Percent of Loans and Leases Outstanding (1)
Allowance for loan and lease losses						
Residential mortgage	$ 292	2.21 %	0.13 %	$ 339	2.54 %	0.15 %

Direct/Indirect consumer

Direct/Indirect consumer

Direct/Indirect consumer	Direct/Indirect consumer	**671**	**5.05**	**0.64**	585	4.61	0.55											
Other consumer	Other consumer	**97**	**0.73**	**n/m**	96	0.76	n/m	Other consumer	**74**	**0.56**	**0.56**	**n/m**	**n/m**	73	0.55	0.55	n/m	n/m
Total consumer	**Total consumer**	**8,167**	**61.47**	**1.78**	7,237	57.07	1.59											
U.S. commercial (2)	U.S. commercial (2)	**2,764**	**20.80**	**0.74**	3,007	23.71	0.80											
Non-U.S. commercial	Non-U.S. commercial	**918**	**6.91**	**0.74**	1,194	9.41	0.96											
Commercial real estate	Commercial real estate	**1,393**	**10.48**	**1.90**	1,192	9.40	1.71											
Commercial lease financing	Commercial lease financing	**45**	**0.34**	**0.33**	52	0.41	0.38											
Total commercial	**Total commercial**	**5,120**	**38.53**	**0.87**	5,445	42.93	0.93											
Allowance for loan and lease losses	**Allowance for loan and lease losses**	**13,287**	**100.00 %**	**1.27**	12,682	100.00 %	1.22											
Reserve for unfunded lending commitments																		
Reserve for unfunded lending commitments																		
Reserve for unfunded lending commitments	**Reserve for unfunded lending commitments**	**1,353**			1,540			**1,158**				1,209		1,209				
Allowance for credit losses	**Allowance for credit losses**	**$ 14,640**			$ 14,222													

(1) Ratios are calculated as allowance for loan and lease losses as a percentage of loans and leases outstanding excluding loans accounted for under the fair value option.

(2) Includes allowance for loan and lease losses for U.S. small business commercial loans of $983 million $1.1 billion and $844 million $1.0 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

n/m = not meaningful

Net charge-offs for the three and nine months ended September 30, 2023 March 31, 2024 were $931 million and $2.6 billion $1.5 billion compared to $520 million and $1.5 billion $807 million for the same periods period in 2022 2023 primarily due to late-stage delinquent credit card loans that were charged off. and the commercial real estate office portfolio. The provision for credit losses increased $336 million $388 million to $1.2 billion and $1.8 billion to $3.3 billion $1.3 billion for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. The provision for credit losses for the current-year periods was driven by our consumer portfolio primarily due to credit card loan growth and asset quality, partially offset by certain improved macroeconomic conditions that primarily benefited our commercial portfolio. In addition, provision for credit losses for the three months ended September 30, 2023 benefited from commercial net paydowns. For the three-month period in the prior year, the provision for credit losses March 31, 2024 was primarily driven by loan growth and a dampened macroeconomic outlook credit card loans and the nine-month period was driven by the same factors as well as a reserve build related to Russian exposure, partially offset by asset quality improvement and reduced COVID-19 pandemic uncertainties.

commercial real estate office portfolio. The provision for credit losses for the consumer portfolio, including unfunded lending commitments, increased $496 million $13 million to $1.2 billion and $2.1 billion to $3.3 billion $959 million for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. The provision for credit losses for the

commercial portfolio, including unfunded lending commitments, decreased $160 million increased $509 million to $16 million and decreased $278 million to $26 million $360 million for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023.

Table 37 36 presents a rollforward of the allowance for credit losses, including certain loan and allowance ratios for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. For more information on the Corporation's credit loss accounting policies and activity related to the allowance for credit losses, see *Note 1 – Summary of Significant Accounting Principles*to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K and *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* to the Consolidated Financial Statements.

Table 37 **Allowance for Credit Losses**

Table 36

Table 36

Table 36

		Three Months Ended September 30		Nine Months Ended September 30				
		Three Months Ended March 31						
		Three Months Ended March 31						
		Three Months Ended March 31						
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022	(Dollars in millions)	**2024**	2023
Allowance for loan and lease losses, December 31	**Allowance for loan and lease losses, December 31**	**n/a**	n/a	**$ 12,682**	$ 12,387			
January 1, 2023 adoption of credit loss standard	January 1, 2023 adoption of credit loss standard	**n/a**	n/a	**(243)**	n/a			
Allowance for loan and lease losses, beginning of period		**$ 12,950**	$ 11,973	**12,439**	12,387			
Allowance for loan and lease losses, January 1								
Loans and leases charged off	**Loans and leases charged off**							
Residential mortgage								
Residential mortgage								
Residential mortgage	Residential mortgage	**(8)**	(5)	**(26)**	(155)			
Home equity	Home equity	**(7)**	(8)	**(18)**	(41)			
Credit card	Credit card	**(814)**	(487)	**(2,220)**	(1,452)			
Direct/Indirect consumer	Direct/Indirect consumer	**(57)**	(63)	**(153)**	(184)			
Other consumer	Other consumer	**(123)**	(146)	**(406)**	(371)			
Total consumer charge-offs	**Total consumer charge-offs**	**(1,009)**	(709)	**(2,823)**	(2,203)			
U.S. commercial (1)	U.S. commercial (1)	**(131)**	(85)	**(371)**	(239)			

Non-U.S. commercial	Non-U.S. commercial	**—**	(1)	**(31)**	(3)
Commercial real estate	Commercial real estate	**(44)**	(14)	**(139)**	(37)
Commercial lease financing	Commercial lease financing	**(3)**	—	**(3)**	(5)
Total commercial charge-offs	**Total commercial charge-offs**	**(178)**	(100)	**(544)**	(284)
Total loans and leases charged off	**Total loans and leases charged off**	**(1,187)**	(809)	**(3,367)**	(2,487)
Recoveries of loans and leases previously charged off	**Recoveries of loans and leases previously charged off**				
Residential mortgage					
Residential mortgage					
Residential mortgage	Residential mortgage	**6**	8	**21**	82
Home equity	Home equity	**21**	26	**60**	113
Credit card	Credit card	**141**	159	**436**	504
Direct/Indirect consumer	Direct/Indirect consumer	**32**	54	**110**	167
Other consumer	Other consumer	**5**	3	**19**	13
Total consumer recoveries	**Total consumer recoveries**	**205**	250	**646**	879
U.S. commercial (2)	U.S. commercial (2)	**44**	30	**92**	105
Non-U.S. commercial	Non-U.S. commercial	**2**	7	**13**	13
Commercial real estate	Commercial real estate	**5**	1	**9**	5
Commercial lease financing	Commercial lease financing	**—**	1	**—**	2
Total commercial recoveries	**Total commercial recoveries**	**51**	39	**114**	125
Total recoveries of loans and leases previously charged off	**Total recoveries of loans and leases previously charged off**	**256**	289	**760**	1,004
Net charge-offs	**Net charge-offs**	**(931)**	(520)	**(2,607)**	(1,483)
Provision for loan and lease losses	Provision for loan and lease losses	**1,268**	845	**3,477**	1,394
Provision for loan and lease losses					
Provision for loan and lease losses					

Other	Other	—	4	**(22)**	4
Allowance for loan and lease losses, September 30		**13,287**	12,302	**13,287**	12,302
Allowance for loan and lease losses, March 31					
Reserve for unfunded lending commitments, beginning of period		**1,388**	1,461	**1,540**	1,456
Reserve for unfunded lending commitments, January 1					
Reserve for unfunded lending commitments, January 1					
Reserve for unfunded lending commitments, January 1					
Provision for unfunded lending commitments	Provision for unfunded lending commitments	**(34)**	53	**(187)**	57
Other		**(1)**	1	**—**	2
Reserve for unfunded lending commitments, September 30		**1,353**	1,515	**1,353**	1,515
Allowance for credit losses, September 30		**$ 14,640**	$ 13,817	**$ 14,640**	$ 13,817
Reserve for unfunded lending commitments, March 31					
Reserve for unfunded lending commitments, March 31					
Reserve for unfunded lending commitments, March 31					
Allowance for credit losses, March 31					
Loan and allowance ratios (3):	**Loan and allowance ratios (3):**				
Loans and leases outstanding at September 30		**$ 1,044,899**	$ 1,027,615	**$ 1,044,899**	$ 1,027,615
Allowance for loan and lease losses as a percentage of total loans and leases outstanding at September 30		**1.27 %**	1.20 %	**1.27 %**	1.20 %
Consumer allowance for loan and lease losses as a percentage of total consumer loans and leases outstanding at September 30		**1.78**	1.53	**1.78**	1.53
Commercial allowance for loan and lease losses as a percentage of total commercial loans and leases outstanding at September 30		**0.87**	0.94	**0.87**	0.94
Loan and allowance ratios (3):					
Loan and allowance ratios (3):					
Loans and leases outstanding at March 31					
Loans and leases outstanding at March 31					
Loans and leases outstanding at March 31					
Allowance for loan and lease losses as a percentage of total loans and leases outstanding at March 31	Allowance for loan and lease losses as a percentage of total loans and leases outstanding at March 31			**1.26 %**	1.20 %

Consumer allowance for loan and lease losses as a percentage of total consumer loans and leases outstanding at March 31				
Commercial allowance for loan and lease losses as a percentage of total commercial loans and leases outstanding at March 31				
Average loans and leases outstanding / Average loans and leases outstanding	**$ 1,041,972**	$ 1,029,084	**$ 1,040,116**	$ 1,003,014
Annualized net charge-offs as a percentage of average loans and leases outstanding	**0.35 %**	0.20 %	**0.34 %**	0.20 %
Net charge-offs as a percentage of average loans and leases outstanding / Net charge-offs as a percentage of average loans and leases outstanding	**0.58 %**	0.32 %		
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at September 30	**275**	309	**275**	309
Ratio of the allowance for loan and lease losses at September 30 to annualized net charge-offs	**3.60**	5.96	**3.81**	6.20
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at March 31				
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at March 31				
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at March 31				
Ratio of the allowance for loan and lease losses at March 31 to annualized net charge-offs				
Amounts included in allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at September 30 (4)	**$ 5,330**	$ 6,746	**$ 5,330**	$ 6,746
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases, excluding the allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at September 30 (4)	**165 %**	140 %	**165 %**	140 %

Amounts included in allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at March 31 (4)		
Amounts included in allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at March 31 (4)		
Amounts included in allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at March 31 (4)		
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases, excluding the allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at March 31 (4)	Allowance for loan and lease losses as a percentage of total nonperforming loans and leases, excluding the allowance for loan and lease losses for loans and leases that are excluded from nonperforming loans and leases at March 31 (4)	**83 %** 138 %

(1) Includes U.S. small business commercial charge-offs of $94 million $118 million and $254 million $75 million for the three and nine months ended September 30, 2023 compared to $43 million March 31, 2024 and $150 million for the same periods in 2022. 2023.

(2) Includes U.S. small business commercial recoveries of $12 million $10 million and $32 million $9 million for the three and nine months ended September 30, 2023 compared to $11 million March 31, 2024 and $40 million for the same periods in 2022. 2023.

(3) Ratios are calculated as allowance for loan and lease losses as a percentage of loans and leases outstanding excluding loans accounted for under the fair value option.

(4) Primarily includes amounts related to credit card and unsecured consumer lending portfolios in *Consumer Banking*.

n/a = not applicable

Market Risk Management

For more information on our market risk management process, see Market Risk Management in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K. For more information on market risks, see the Market section within Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K.

Market risk is the risk that changes in market conditions may adversely impact the value of assets or liabilities, or otherwise negatively impact earnings. This risk is inherent in the financial instruments associated with our operations, primarily within our *Global Markets* segment. We are also exposed to these risks in other areas of the Corporation (e.g., our ALM activities). In the event of market stress, these risks could have a material impact on our results.

Trading Risk Management

To evaluate risks in our trading activities, we focus on the actual and potential volatility of revenues generated by individual positions as well as portfolios of positions. VaR is a common statistic used to measure market risk. Our primary VaR statistic is equivalent to a 99 percent confidence level, which means that for a VaR with a one-day holding period, there should not be losses in excess of VaR, on average, 99 out of 100 trading days.

Table 38 37 presents the total market-based portfolio VaR, which is the combination of the total covered positions (and less liquid trading positions) portfolio and the fair value option portfolio. For more information on the market risk VaR for trading activities, see Trading Risk Management in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

The total market-based portfolio VaR results in Table 38 37 include market risk to which we are exposed from all business segments, excluding credit valuation adjustment (CVA), DVA and related hedges. The majority of this portfolio is within the *Global Markets* segment.

Table 38 37 presents period-end, average, high and low daily trading VaR for the three months ended September 30, 2023 March 31, 2024, June 30, 2023 December 31, 2023 and September 30, 2022 March 31, 2023 using a 99 percent confidence level as well as average daily trading VaR for the nine months ended September 30, 2023 and 2022.level. The amounts disclosed in Table 38 37 and Table 39 38 align to the view of covered positions used in the Basel 3 capital calculations. Foreign exchange and commodity positions are always considered covered positions, regardless of trading or banking treatment for the trade, except for structural foreign currency positions that are excluded with prior regulatory approval.

The average of total covered positions and less liquid trading positions portfolio VaR for the three months ended September 30, 2023 March 31, 2024 compared to the prior quarter remained stable.

Table 38 Market Risk VaR for Trading Activities

Table 37

Table 37

Three Months Ended | Nine Months Ended September 30

Table 37

Three Months Ended

Nine Months Ended September 30 | September 30, 2023 | June 30, 2023 | September 30, 2022 | Nine Months Ended September 30

Three Months Ended | September 30

Three Months Ended

March 31, 2024

March 31, 2024

March 31, 2024

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	**Period End**	**Average**	**High (1)**	**Low (1)**	Period End	Average	High (1)	Low (1)	Period End	Average	High (1)	Low (1)	**2023 Average**	2022 Average
Foreign exchange	Foreign exchange	**$ 25**	**$ 25**	**$ 33**	**$ 12**	$ 22	$ 29	$ 42	$ 16	$ 24	$ 19	$ 32	$ 12	**$ 29**	$ 18
Foreign exchange															
Foreign exchange															
Interest rate															
Interest rate															
Interest rate	Interest rate	**46**	**51**	**86**	**35**	42	50	74	36	35	34	55	25	**48**	36
Credit	Credit	**62**	**49**	**62**	**43**	50	50	54	47	90	68	95	54	**61**	68
Credit															
Credit															
Equity															
Equity															
Equity	Equity	**13**	**15**	**23**	**11**	24	24	56	13	22	16	23	12	**19**	20
Commodities	Commodities	**10**	**8**	**10**	**6**	8	9	12	7	12	13	18	9	**9**	13

Commodities

Commodities

Portfolio diversification

Portfolio diversification

Portfolio diversification	Portfolio diversification	**(90)**	**(92)**	n/a	n/a	(85)	(98)	n/a	n/a	(102)	(85)	n/a	n/a	**(104)**	(88)
Total covered positions portfolio	**Total covered positions portfolio**	**66**	**56**	**74**	**41**	61	64	85	53	81	65	95	42	**62**	67
Total covered positions portfolio															
Total covered positions portfolio															
Impact from less liquid exposures (2)															
Impact from less liquid exposures (2)															
Impact from less liquid exposures (2)	Impact from less liquid exposures (2)	**21**	**13**	n/a	n/a	8	12	n/a	n/a	82	52	n/a	n/a	**22**	38
Total covered positions and less liquid trading positions portfolio	**Total covered positions and less liquid trading positions portfolio**	**87**	**69**	**91**	**52**	69	76	105	63	163	117	173	84	**84**	105
Total covered positions and less liquid trading positions portfolio															
Total covered positions and less liquid trading positions portfolio															
Fair value option loans															
Fair value option loans															
Fair value option loans	Fair value option loans	**16**	**19**	**21**	**16**	19	20	26	15	59	50	60	37	**27**	52
Fair value option hedges	Fair value option hedges	**10**	**11**	**13**	**9**	12	16	20	12	17	16	18	13	**14**	17
Fair value option hedges															
Fair value option hedges															
Fair value option portfolio diversification															
Fair value option portfolio diversification															
Fair value option portfolio diversification	Fair value option portfolio diversification	**(14)**	**(17)**	n/a	n/a	(19)	(24)	n/a	n/a	(39)	(36)	n/a	n/a	**(24)**	(35)
Total fair value option portfolio	**Total fair value option portfolio**	**12**	**13**	**14**	**12**	12	12	14	11	37	30	37	23	**17**	34
Total fair value option portfolio															
Total fair value option portfolio															
Portfolio diversification															
Portfolio diversification															
Portfolio diversification	Portfolio diversification	**(2)**	**(5)**	n/a	n/a	(6)	(7)	n/a	n/a	(5)	(4)	n/a	n/a	**(7)**	(13)

Total market-based portfolio	Total market-based portfolio																
		$	97	$	77	103	58	$ 75	$ 81	113	66	$ 195	$ 143	203	103	$ 94	$ 126

Total market-based portfolio

Total market-based portfolio

(1) The high and low for each portfolio may have occurred on different trading days than the high and low for the components. Therefore the impact from less liquid exposures and the amount of portfolio diversification, which is the difference between the total portfolio and the sum of the individual components, is not relevant.

(2) Impact is net of diversification effects between the covered positions and less liquid trading positions portfolios.
n/a = not applicable

The following graph presents the daily covered positions and less liquid trading positions portfolio VaR for the previous five quarters, corresponding to the data in Table 38.

3Q23 VAR.jpg 37.

37 Bank of America 44

Histogram 1Q24.jpg

Additional VaR statistics produced within our single VaR model are provided in Table 39 38 at the same level of detail as in Table 38. 37. Evaluating VaR with additional statistics allows for an increased understanding of the risks in the portfolio, as the historical market data used in the VaR calculation does not necessarily follow a predefined statistical distribution. Table 39 38 presents average trading VaR statistics at 99 percent and 95 percent confidence levels for the three months ended September 30, 2023 March 31, 2024, June 30, 2023 December 31, 2023 and September 30, 2022 March 31, 2023.

Table 39 **Average Market Risk VaR for Trading Activities – 99 percent and 95 percent VaR Statistics**

Table 38

Table 38

Table 38 **Average Market Risk VaR for Trading Activities – 99 percent and 95 percent VaR Statistics**

		Three Months Ended					
		September 30, 2023		June 30, 2023		September 30, 2022	
(Dollars in millions)	(Dollars in millions)	99 percent	95 percent	99 percent	95 percent	99 percent	95 percent
Foreign exchange	Foreign exchange	$ 25	$ 16	$ 29	$ 19	$ 19	$ 11
Interest rate	Interest rate	51	28	50	27	34	18
Credit	Credit	49	29	50	29	68	26
Equity	Equity	15	7	24	12	16	8
Commodities	Commodities	8	5	9	5	13	7
Portfolio diversification	Portfolio diversification	(92)	(53)	(98)	(56)	(85)	(43)

	Three Months Ended					
	March 31, 2024		December 31, 2023		March 31, 2023	
(Dollars in millions)	99 percent	95 percent	99 percent	95 percent	99 percent	95 percent

Total covered positions portfolio	**Total covered positions portfolio**	**56**	**32**	64	36	65	27
Impact from less liquid exposures	Impact from less liquid exposures	**13**	**6**	12	7	52	7
Total covered positions and less liquid trading positions portfolio	**Total covered positions and less liquid trading positions portfolio**	**69**	**38**	76	43	117	34
Fair value option loans	Fair value option loans	**19**	**11**	20	13	50	14
Fair value option hedges	Fair value option hedges	**11**	**7**	16	10	16	10
Fair value option portfolio diversification	Fair value option portfolio diversification	**(17)**	**(11)**	(24)	(15)	(36)	(13)
Total fair value option portfolio	**Total fair value option portfolio**	**13**	**7**	12	8	30	11
Portfolio diversification	Portfolio diversification	**(5)**	**(4)**	(7)	(6)	(4)	(7)
Total market-based portfolio	**Total market-based portfolio**	**$ 77**	**$ 41**	$ 81	$ 45	$ 143	$ 38

Backtesting

The accuracy of the VaR methodology is evaluated by backtesting, which compares the daily VaR results, utilizing a one-day holding period, against a comparable subset of trading revenue. For more information on our backtesting process, see Trading Risk Management – Backtesting in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

During the three and nine months ended September 30, 2023 March 31, 2024, there were no days where this subset of trading revenue had losses that exceeded our total covered portfolio VaR, utilizing a one-day holding period.

Total Trading-related Revenue

Total trading-related revenue, excluding brokerage fees, and CVA, DVA and funding valuation adjustment gains (losses), represents the total amount earned from trading positions, including market-based net interest income, which are taken in a diverse range of financial instruments and markets. For more information, see Trading Risk Management – Total Trading-related Trading-related Revenue in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

The following histogram is a graphic depiction of trading volatility and illustrates the daily level of trading-related revenue for the three months ended September 30, 2023 March 31, 2024 compared to the three months ended June 30, 2023 and March 31, 2023 December 31, 2023. During the three months ended September 30, 2023 March 31, 2024, positive trading-related revenue was recorded for 100 percent of the trading days, of which 94 97 percent were daily trading gains of over $25 million. This compares to the three months ended June 30, 2023 December 31, 2023 where positive trading-related revenue was recorded for 100 percent of the trading days, of which 95 85 percent were daily trading gains of over $25 million. During the three months ended March 31, 2023, positive trading-related revenue was recorded for 100 percent of the trading days, of which 98 percent were daily trading gains of over $25 million.

1Q'24 Trading Related Revenue.jpg

Trading Portfolio Stress Testing

Because the very nature of a VaR model suggests results can exceed our estimates and it is dependent on a limited historical window, we also stress test our portfolio using scenario analysis. This analysis estimates the change in the value of our trading portfolio that may result from abnormal market movements. For more information, see Trading Risk Management – Trading Portfolio Stress Testing in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Interest Rate Risk Management for the Banking Book

The following discussion presents net interest income for banking book activities. For more information, see Interest Rate Risk Management for the Banking Book in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

Table 40 39 presents the spot and 12-month forward rates used in our baseline forecasts at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Table 40 Forward Rates

	September 30, 2023		
	Federal Funds	**SOFR (1)**	**10-Year SOFR (1)**
Spot rates	**5.50 %**	**5.31 %**	**4.27 %**
12-month forward rates	**5.14**	**5.01**	**4.13**
	December 31, 2022		
	Federal Funds	Three-month LIBOR	10-Year Swap
Spot rates	4.50 %	4.77 %	3.84 %
12-month forward rates	4.75	4.78	3.62

(1) The Corporation uses SOFR in its baseline forecast as one of the primary alternative reference rates used as a result of the cessation of LIBOR in 2023.

Table 39 Forward Rates

	Federal Funds	**SOFR**	**10-Year SOFR**
	March 31, 2024		
Spot rates	**5.50 %**	**5.34 %**	**3.84 %**
12-month forward rates	**4.50**	**4.43**	**3.68**
	December 31, 2023		
Spot rates	5.50 %	5.38 %	3.47 %
12-month forward rates	3.89	3.93	3.32

Table 41 40 shows the pretax impact to forecasted net interest income over the next 12 months from September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 resulting from instantaneous parallel and non-parallel shocks to the market-based forward curve. Periodically, we evaluate the scenarios presented so that they are meaningful in the context of the current rate environment. The interest rate scenarios also assume U.S. dollar interest rates are floored at zero.

During the nine three months ended September 30, 2023 March 31, 2024, the overall decrease in asset sensitivity of our balance sheet to higher and lower rate scenarios was primarily due to changes in deposit product mix. higher expenses on interest-bearing deposits as a result of higher forward rates. We continue to be asset sensitive to a parallel upward move in interest rates with the majority of that impact coming from the

short end of the yield curve. Additionally, higher interest rates negatively impact the fair value of our debt securities classified as available for sale and adversely affect accumulated OCI and thus capital levels under the Basel 3 capital rules. Under instantaneous upward parallel shifts, the near-term adverse impact to Basel 3 capital would be reduced over time by offsetting positive impacts to net interest income generated from the banking book activities. For more information on Basel 3, see Capital Management – Regulatory Capital on page 22. 16.

Table 41 Estimated Banking Book Net Interest Income Sensitivity to Curve Changes

Table 40

Table 40

Table 40 Estimated Banking Book Net Interest Income Sensitivity to Curve Changes

Short Rate	Short Rate

(Dollars in millions)		(bps) Short Rate (bps)	(bps) Short Rate (bps)	Long Rate (bps)			
(Dollars in millions)							
Short Rate (bps)	Long Rate (bps)	(Dollars in millions)	(Dollars in millions)	September 30 2023	December 31 2022	**March 31 2024**	December 31 2023
Parallel Shifts	Parallel Shifts						
Parallel Shifts							
Parallel Shifts							
+100 bps instantaneous shift							
+100 bps instantaneous shift							
+100 bps instantaneous shift	+100 bps instantaneous shift	+100	+100	**$ 3,057**	$ 3,829		
-100 bps instantaneous shift	-100 bps instantaneous shift	-100	-100	**(3,272)**	(4,591)		
-100 bps instantaneous shift							
-100 bps instantaneous shift							
Flatteners	Flatteners						
Short-end instantaneous change	Short-end instantaneous change	+100	—	**2,949**	3,698		
Short-end instantaneous change							
Short-end instantaneous change							
Long-end instantaneous change							
Long-end instantaneous change							
Long-end instantaneous change	Long-end instantaneous change	—	-100	**(126)**	(157)		
Steepeners	Steepeners						
Short-end instantaneous change	Short-end instantaneous change	-100	—	**(3,169)**	(4,420)		
Short-end instantaneous change							
Short-end instantaneous change							
Long-end instantaneous change	Long-end instantaneous change	—	+100	**108**	131		

The sensitivity analysis in Table 41 40 assumes that we take no action in response to these rate shocks and does not assume any change in other macroeconomic variables normally correlated with changes in interest rates. As part of our ALM activities, we use securities, certain residential mortgages, and interest rate and foreign exchange derivatives in managing interest rate sensitivity.

The behavior of our deposit portfolio in the baseline forecast and in alternate interest rate scenarios is a key assumption in our projected estimates of net interest income. The sensitivity analysis in Table 41 40 assumes no change in deposit portfolio size or mix from the baseline forecast in alternate rate environments. In higher rate scenarios, the increase in net interest income would be impacted by any customer activity resulting in the replacement of low-cost or noninterest-bearing deposits with higher yielding deposits or market-based funding,

as our benefit in those scenarios would be reduced. Conversely, in lower-rate scenarios, any customer activity that results in the replacement of higher yielding deposits or market-based funding with low-cost or noninterest-bearing deposits would reduce our exposure in those scenarios.

For interest rate scenarios larger than 100 bps shifts, it is expected that the interest rate sensitivity will illustrate non-linear behaviors as there are numerous estimates and assumptions, which require a high degree of judgment and are often interrelated, that could impact the outcome. Pertaining to the mortgage-backed securities and residential mortgage portfolio, if long-end interest rates were to significantly decrease over the next twelve months, for example over 200 bps, there would generally be an increase in customer prepayment behaviors with an incremental reduction to net interest income, noting that the extent of changes in customer prepayment activity can be impacted by multiple factors and is not necessarily limited to long-end interest rates. Conversely, if long-end interest rates were to significantly increase over the next twelve months, for example, over 200 bps, customer prepayments would likely modestly decrease and result in an incremental increase to net interest income. In addition, deposit pricing will have non-linear impacts to larger short-end rate movements. In decreasing interest rate scenarios, and particularly where interest rates have decreased to small amounts, the ability to further reduce rates paid is reduced as customer rates near zero. In higher short-end rate scenarios, deposit pricing will likely increase at a faster rate, leading to incremental interest expense and reducing asset sensitivity. While the impact related to the above assumptions used in the asset sensitivity analysis can provide directional analysis on how net interest income will be impacted in changing environments, the ultimate impact is dependent upon the interrelationship of the assumptions and factors, which vary in different macroeconomic scenarios.

Interest Rate and Foreign Exchange Derivative Contracts

We use interest rate and foreign exchange derivative contracts in our ALM activities to manage our interest rate and foreign exchange risks. Specifically, we use those derivatives to manage both the variability in cash flows and changes in fair value of various assets and liabilities arising from those risks. Our interest rate derivative contracts are generally non-leveraged swaps tied to various benchmark interest rates and foreign exchange basis swaps, options, futures and forwards, and our foreign exchange contracts include cross-currency interest rate swaps, foreign currency futures contracts, foreign currency forward contracts and options.

The derivatives used in our ALM activities can be split into two broad categories: designated accounting hedges and other risk management derivatives. Designated accounting hedges are primarily used to manage our exposure to interest rates as described in the Interest Rate Risk Management for the Banking Book section and are included in the sensitivities presented in Table 41. 40. The Corporation also uses foreign currency derivatives in accounting hedges to manage substantially all of the foreign exchange risk of our foreign operations. By hedging the foreign exchange risk of our foreign operations, the Corporation's market risk exposure in this area is not significant.

Risk management derivatives are predominantly used to hedge foreign exchange risks related to various foreign currency-denominated assets and liabilities and eliminate substantially all foreign currency exposures in the cash flows of the Corporation's non-trading foreign currency-denominated financial

instruments. These foreign exchange derivatives are sensitive to other market risk exposures such as cross-currency basis spreads and interest rate risk. However, as these features are not a significant component of these foreign exchange derivatives, the market risk related to this exposure is not significant. For more information on the accounting for derivatives, see *Note 3 – Derivatives* to the Consolidated Financial Statements.

Mortgage Banking Risk Management

We originate, fund and service mortgage loans, which subject us to credit, liquidity and interest rate risks, among others. We determine whether loans will be held for investment or held for sale at the time of commitment and manage credit and liquidity risks by selling or securitizing a portion of the loans we originate.

Changes in interest rates impact the value of interest rate lock commitments (IRLCs) and the related residential first mortgage loans held-for-sale (LHFS), as well as the value of the MSRs. Because the interest rate risks of these hedged items offset, we combine them into one overall hedged item with one combined economic hedge portfolio consisting of derivative contracts and securities. For more information on IRLCs and the related residential mortgage LHFS, see Mortgage Banking Risk Management in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K.

There were no significant gains or losses related to the change in fair value of MSRs, IRLCs and LHFS, net of gains and losses on the hedge portfolio, for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. For more information on MSRs, see *Note 14 – Fair Value Measurements* to the Consolidated Financial Statements.

Climate Risk

Climate Risk Management

Climate risk is the risk that climate change or actions taken to mitigate climate change expose the Corporation to economic, legal/regulatory, operational or reputational harm. Climate-related risks are divided into two major categories: categories, both of which span across the seven key risk types discussed in the Managing Risk section in the MD&A of the Corporation's 2023 Annual Report on Form 10-K: (1) Physical Risk: risks related to the physical impacts of climate change, driven by extreme weather events such as hurricanes and floods, as well as chronic longer-term shifts such as rising average global temperatures and sea levels, and (2) Transition Risk: risks related to the transition to a low-carbon economy, which may entail extensive policy, legal, technology and market changes. These changes

Physical risks of climate change, such as more frequent and severe extreme weather events, may have broad impacts on operations, supply chains, distribution networks, customers and markets and are otherwise referred to, respectively, as physical risk and transition risk. These can increase the Corporation's risks, may impact both financial and nonfinancial risk types. Physical climate events may lead to increased including credit risk by diminishing borrowers' repayment capacity or collateral value, or increased values, and operational risk by negatively impacting the Corporation's facilities, employees, customers or vendors. Climate-related transition Transition risks of climate change may amplify credit risks through the financial impacts of changes in policy, technology or the market may amplify credit risk through financial impacts to on the Corporation or its customers or counterparties or increase our counterparties. Unanticipated market risk, including through changes can lead to sudden price adjustments. In addition, reputational adjustments and give rise to heightened market risk. Reputational risk may can arise including from if we do not meet our climate-related practices, disclosures goals and/or targets, or are perceived to be inadequately responsive to climate change or otherwise.

Our approach to managing climate risk is consistent with our risk management governance structure, from senior management to our Board and commitments. its committees, including the

As Enterprise Risk Committee (ERC) and the Corporate Governance, ESG and Sustainability Committee (CGESC) of the Board, which regularly discuss climate-related topics. The ERC oversees climate risk spans all key risk types, we have developed and continue to enhance processes to embed climate risk considerations into as set forth in our Risk Framework and Risk Appetite Statement. The CGESC is responsible for overseeing the Corporation's environmental and sustainability-related activities and practices, and regularly reviews the Corporation's climate-related policies and practices. Our Climate Risk Council consists of leaders across risk, Front Line Unit and control functions, and meets routinely to discuss our approach to managing climate-related risks.

Our climate risk management programs established efforts are overseen by an officer who reports to the Chief Risk Officer. The Corporation has a Climate and Environmental Risk Management function that is responsible for each overseeing climate risk management. They are responsible for establishing the Climate Risk Framework (described below) and governance structure, and providing an independent assessment of enterprise-wide climate risks.

Based on the Corporation's Risk Framework, in 2023 we created our internal Climate Risk Framework, which addresses how the Corporation identifies, measures, monitors and controls climate risk by enhancing existing risk management processes and also includes examples of how climate risk manifests across the seven key types risk types. The framework details the roles and responsibilities for climate risk management across our three lines of risk. defense (i.e., Front Line Units, Global Risk Management and Corporate Audit).

We publicly For more information on our governance framework, see the Managing Risk section in the MD&A of the Corporation's 2023 Annual Report on Form 10-K. For more information on climate risk, see Item 1A. Risk Factors of the Corporation's 2023 Annual Report on Form 10-K.

Climate-related Goals and Targets

In 2021, the Corporation announced our commitment to achieve a goal of achieving net zero greenhouse gas emissions before 2050 in our financing activities, operations and supply chain before 2050 (Net Zero Goal). In connection with goal), and in 2022, we released our Approach to Zero™, a framework for how we plan to achieve our Net Zero Goal, goal. In line with this approach, we have set certain interim 2030 targets including reducing emissions associated with across our operations and financing activities related to certain high-emitting sectors (2030 Financing Activity Emissions Targets), operations and supply chain, all of which are further supported and complemented by our $1.5 trillion sustainable finance goal (which is aligned with the 17 UN Sustainable Development Goals) of which $1 trillion is dedicated to supporting the transition toward a low-carbon economy, including capital mobilized across clean energy sectors and tailored financial solutions for emerging areas of the low-carbon economy. In particular, we have announced 2030 Financing Activity Emissions Targets for auto manufacturing, aviation, cement, energy, iron and steel, maritime shipping and power generation and for our supply chain, including that a certain proportion of our global suppliers set their own climate targets (2030 Targets). We disclosed our 2019 and 2020 financed emission and emission intensity metrics for the above referenced sectors in our 2022 Task Force on Climate-related Financial Disclosures (TCFD) Report, with 2019 serving as the baseline for our financed emissions targets. sectors.

We plan to disclose the financed emissions for additional portions of our business loan portfolio in our 2023 TCFD Report, which we anticipate publishing later in 2023, and we plan to set financing activity emission reduction targets for other key sectors by April 2024.

Achieving our climate-related climate--related goals and targets, including our Net Zero Goal goal and 2030 Financing Activity Emissions Targets, may require technological advances, clearly defined roadmaps for industry sectors, better emissions data reporting, new standards and public policies, including those that improve the cost of capital for the transition to a low-carbon economy, and better emissions data reporting, as well as ongoing, strong and active engagement with customers, suppliers, investors, government officials and other stakeholders.

Given the extended period of these and other Activities related to our climate-related goals we have established, our initiatives and targets have not resulted in a significant effect on our results of operations or financial position in the relevant periods presented herein.

For more information on our governance framework and climate risk management process, see the Managing Risk and Climate Risk Management sections in the MD&A of the Corporation's 2022 Annual Report on Form 10-K. For more information on climate risk, see Item 1A. Risk Factors – Other of the Corporation's 2022 Annual Report on Form 10-K. For more information on climate-related matters and the Corporation's climate-related goals and commitments, targets, including our the Corporation's plans to achieve our its Net Zero Goal goal and its 2030 Targets targets, and progress on our its sustainable finance goals, goal, see the Corporation's website, including our 2022 its 2023 Task Force on Climate-related Financial Disclosures (TCFD) Report (2023 TCFD Report) and Addendum to the 2023 TCFD Report and the 2022 Annual Report to shareholders available on the Investor Relations portion of our website. (2023 TCFD Addendum). The contents of the Corporation's website, including the 2022 2023 TCFD Report and 2022 Annual Report to shareholders 2023 TCFD Addendum are not incorporated by reference into this Quarterly Report on Form 10-Q.

The foregoing discussion and our discussion the statements on the Corporation's website, including in the 2022 2023 TCFD Report and Annual Report to shareholders 2023 TCFD Addendum, regarding our the Corporation's climate-related goals and commitments targets, its approach with respect to climate risk management, including environmental transition considerations, include and the nature and extent of climate-related risks, contain "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. These statements are not guarantees of future results or performance and involve certain known and unknown risks, uncertainties and assumptions that are difficult to predict and are often beyond the Corporation's control. Actual outcomes and results may differ materially from those expressed in, or implied by, any of these forward-looking statements.

Complex Accounting Estimates

Our significant accounting principles, are essential in understanding the MD&A. Many of our significant accounting principles require complex judgments to estimate the values of assets and liabilities. We have procedures and processes in place to facilitate making these judgments. For more information, see Complex Accounting Estimates in the MD&A of the Corporation's 2022 2023 Annual Report on Form 10-K and *Note 1 – Summary of Significant Accounting Principles*to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Non-GAAP Reconciliations

Table 42 41 provides reconciliations of certain non-GAAP financial measures to the most closely related directly comparable GAAP financial measures.

Table 42 **Average and Period-end Supplemental Financial Data and Reconciliations to GAAP Financial Measures** (1)

Table 41

Table 41

Table 41

		2024 Quarter						
			2023 Quarters		2022 Quarters		**Nine Months Ended September 30**	
		2024 Quarter						
		2024 Quarter						
(Dollars in millions)								
(Dollars in millions)								
(Dollars in millions)	(Dollars in millions)	**Third**	Second	First	Fourth	Third	**2023**	2022
Reconciliation of average shareholders' equity to average tangible shareholders' equity and average tangible common shareholders' equity	Reconciliation of average shareholders' equity to average tangible shareholders' equity and average tangible common shareholders' equity							
Reconciliation of average shareholders' equity to average tangible shareholders' equity and average tangible common shareholders' equity								
Reconciliation of average shareholders' equity to average tangible shareholders' equity and average tangible common shareholders' equity								
Shareholders' equity								
Shareholders' equity								

Shareholders' equity	Shareholders' equity	**$ 284,975**	$ 282,425	$ 277,252	$ 272,629	$ 271,017	**$ 281,579**	$ 269,514
Goodwill	Goodwill	**(69,021)**	(69,022)	(69,022)	(69,022)	(69,022)	**(69,022)**	(69,022)
Goodwill								
Goodwill								
Intangible assets (excluding MSRs)								
Intangible assets (excluding MSRs)								
Intangible assets (excluding MSRs)	Intangible assets (excluding MSRs)	**(2,029)**	(2,049)	(2,068)	(2,088)	(2,107)	**(2,049)**	(2,127)
Related deferred tax liabilities	Related deferred tax liabilities	**890**	895	899	914	920	**895**	925
Related deferred tax liabilities								
Related deferred tax liabilities								
Tangible shareholders' equity								
Tangible shareholders' equity								
Tangible shareholders' equity	**Tangible shareholders' equity**	**$ 214,815**	$ 212,249	$ 207,061	$ 202,433	$ 200,808	**$ 211,403**	$ 199,290
Preferred stock	Preferred stock	**(28,397)**	(28,397)	(28,397)	(28,982)	(29,134)	**(28,397)**	(28,094)
Preferred stock								
Preferred stock								
Tangible common shareholders' equity	**Tangible common shareholders' equity**	**$ 186,418**	$ 183,852	$ 178,664	$ 173,451	$ 171,674	**$ 183,006**	$ 171,196
Tangible common shareholders' equity								
Tangible common shareholders' equity								
Reconciliation of period-end shareholders' equity to period-end tangible shareholders' equity and period-end tangible common shareholders' equity								
Reconciliation of period-end shareholders' equity to period-end tangible shareholders' equity and period-end tangible common shareholders' equity								
Reconciliation of period-end shareholders' equity to period-end tangible shareholders' equity and period-end tangible common shareholders' equity	Reconciliation of period-end shareholders' equity to period-end tangible shareholders' equity and period-end tangible common shareholders' equity							

Shareholders' equity	Shareholders' equity	**$ 287,064**	$ 283,319	$ 280,196	$ 273,197	$ 269,524
Shareholders' equity						
Shareholders' equity						
Goodwill						
Goodwill						
Goodwill	Goodwill	**(69,021)**	(69,021)	(69,022)	(69,022)	(69,022)
Intangible assets (excluding MSRs)	Intangible assets (excluding MSRs)	**(2,016)**	(2,036)	(2,055)	(2,075)	(2,094)
Intangible assets (excluding MSRs)						
Intangible assets (excluding MSRs)						
Related deferred tax liabilities						
Related deferred tax liabilities						
Related deferred tax liabilities	Related deferred tax liabilities	**886**	890	895	899	915
Tangible shareholders' equity	**Tangible shareholders' equity**	**$ 216,913**	$ 213,152	$ 210,014	$ 202,999	$ 199,323
Tangible shareholders' equity						
Tangible shareholders' equity						
Preferred stock						
Preferred stock						
Preferred stock	Preferred stock	**(28,397)**	(28,397)	(28,397)	(28,397)	(29,134)
Tangible common shareholders' equity	**Tangible common shareholders' equity**	**$ 188,516**	$ 184,755	$ 181,617	$ 174,602	$ 170,189
Tangible common shareholders' equity						
Tangible common shareholders' equity						
Reconciliation of period-end assets to period-end tangible assets						
Reconciliation of period-end assets to period-end tangible assets						
Reconciliation of period-end assets to period-end tangible assets	Reconciliation of period-end assets to period-end tangible assets					
Assets	Assets	**$ 3,153,090**	$ 3,123,198	$ 3,194,657	$ 3,051,375	$ 3,072,953
Assets						
Assets						
Goodwill						
Goodwill						
Goodwill	Goodwill	**(69,021)**	(69,021)	(69,022)	(69,022)	(69,022)

Intangible assets (excluding MSRs)	Intangible assets (excluding MSRs)	**(2,016)**	(2,036)	(2,055)	(2,075)	(2,094)

Intangible assets (excluding MSRs)

Intangible assets (excluding MSRs)

Related deferred tax liabilities

Related deferred tax liabilities

Related deferred tax liabilities	Related deferred tax liabilities	**886**	890	895	899	915
Tangible assets	**Tangible assets**	**$ 3,082,939**	$ 3,053,031	$ 3,124,475	$ 2,981,177	$ 3,002,752

Tangible assets

Tangible assets

(1) For more information on non-GAAP financial measures and ratios we use in assessing the results of the Corporation, see Supplemental Financial Data on page 7. 5.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

See Market Risk Management on page 44 37 in the MD&A and the sections referenced therein for Quantitative and Qualitative Disclosures about Market Risk.

Item 4. Controls and Procedures

Disclosure Controls and Procedures

As of the end of the period covered by this report, the Corporation's management, including the Chief Executive Officer and Chief Financial Officer, conducted an evaluation of the effectiveness and design of the Corporation's disclosure controls and procedures (as that term is defined in Rule 13a-15(e) of the Exchange Act). Based upon that evaluation, the Corporation's Chief Executive Officer and Chief Financial Officer concluded that the Corporation's disclosure controls and procedures were effective, as of the end of the period covered by this report.

Changes in Internal Control Over Financial Reporting

There have been no changes in the Corporation's internal control over financial reporting (as defined in Rule 13a-15(f) of the Exchange Act) during the three months ended September 30, 2023 March 31, 2024, that have materially affected, or are reasonably likely to materially affect, the Corporation's internal control over financial reporting.

Part I. Financial Information

Item 1. Financial Statements

Bank of America Corporation and Subsidiaries

Consolidated Statement of Income

Consolidated Statement of Income

	Three Months Ended September 30	Nine Months Ended September 30

Consolidated Statement of Income

	Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(In millions, except per share information)

(In millions, except per share information)

(In millions, except per share information)	(In millions, except per share information)	2023	2022	2023	2022
Net interest income	**Net interest income**				
Net interest income					
Net interest income					
Interest income					
Interest income					
Interest income	Interest income	**$ 33,624**	$ 19,621	**$ 94,633**	$ 47,490
Interest expense	Interest expense	**19,245**	5,856	**51,648**	9,709
Interest expense					
Interest expense					
Net interest income					
Net interest income					
Net interest income	Net interest income	**14,379**	13,765	**42,985**	37,781
Noninterest income	**Noninterest income**				
Noninterest income					
Noninterest income					
Fees and commissions					
Fees and commissions					
Fees and commissions	Fees and commissions	**8,135**	8,001	**23,990**	25,477
Market making and similar activities	Market making and similar activities	**3,325**	3,068	**11,734**	9,023
Other income		**(672)**	(332)	**(2,087)**	(1,863)
Market making and similar activities					
Market making and similar activities					
Other income (loss)					
Other income (loss)					
Other income (loss)					
Total noninterest income	Total noninterest income	**10,788**	10,737	**33,637**	32,637
Total noninterest income					
Total noninterest income					
Total revenue, net of interest expense					
Total revenue, net of interest expense					
Total revenue, net of interest expense	**Total revenue, net of interest expense**	**25,167**	24,502	**76,622**	70,418
Provision for credit losses	**Provision for credit losses**	**1,234**	898	**3,290**	1,451
Provision for credit losses					
Provision for credit losses					
Noninterest expense					

Noninterest expense					
Noninterest expense	**Noninterest expense**				
Compensation and benefits	Compensation and benefits	**9,551**	8,887	**28,870**	27,286
Compensation and benefits					
Compensation and benefits					
Occupancy and equipment					
Occupancy and equipment					
Occupancy and equipment	Occupancy and equipment	**1,795**	1,777	**5,370**	5,285
Information processing and communications	Information processing and communications	**1,676**	1,546	**5,017**	4,621
Information processing and communications					
Information processing and communications					
Product delivery and transaction related					
Product delivery and transaction related					
Product delivery and transaction related	Product delivery and transaction related	**880**	892	**2,726**	2,749
Professional fees	Professional fees	**545**	525	**1,609**	1,493
Professional fees					
Professional fees					
Marketing	Marketing	**501**	505	**1,472**	1,365
Marketing					
Marketing					
Other general operating					
Other general operating					
Other general operating	Other general operating	**890**	1,171	**3,050**	3,096
Total noninterest expense	Total noninterest expense	**15,838**	15,303	**48,114**	45,895
Total noninterest expense					
Total noninterest expense					
Income before income taxes					
Income before income taxes					
Income before income taxes	**Income before income taxes**	**8,095**	8,301	**25,218**	23,072
Income tax expense	**Income tax expense**	**293**	1,219	**1,847**	2,676
Income tax expense					
Income tax expense					
Net income					
Net income					
Net income	**Net income**	**$ 7,802**	$ 7,082	**$ 23,371**	$ 20,396

Preferred stock dividends	**Preferred stock dividends**	**532**	503	**1,343**	1,285

Preferred stock dividends

Preferred stock dividends

Net income applicable to common shareholders

Net income applicable to common shareholders

Net income applicable to common shareholders	**Net income applicable to common shareholders**	**$ 7,270**	$ 6,579	**$ 22,028**	$ 19,111
Per common share information	**Per common share information**				

Per common share information

Per common share information

Earnings	Earnings	**$ 0.91**	$ 0.81	**$ 2.74**	$ 2.35

Earnings

Earnings

Diluted earnings

Diluted earnings

Diluted earnings	Diluted earnings	**0.90**	0.81	2.72	2.34
Average common shares issued and outstanding	**Average common shares issued and outstanding**	**8,017.1**	8,107.7	8,041.3	8,122.2

Average common shares issued and outstanding

Average common shares issued and outstanding

Average diluted common shares issued and outstanding	**Average diluted common shares issued and outstanding**	**8,075.9**	8,160.8	8,153.4	8,173.3

Average diluted common shares issued and outstanding

Average diluted common shares issued and outstanding

Consolidated Statement of Comprehensive Income

Consolidated Statement of Comprehensive Income

Consolidated Statement of Comprehensive Income

	Three Months Ended September 30	Nine Months Ended September 30

Consolidated Statement of Comprehensive Income

	Three Months Ended March 31

(Dollars in millions)	Three Months Ended March 31			
	2023	2022	**2023**	2022
Net income	**$7,802**	$7,082	**$23,371**	$20,396
Other comprehensive income (loss), net-of-tax:				
Net change in debt securities	**(642)**	(1,112)	**81**	(6,381)
Net change in debit valuation adjustments	**(25)**	462	**(419)**	1,298
Net change in derivatives	**(366)**	(3,703)	**(317)**	(10,890)
Employee benefit plan adjustments	**6**	37	**25**	97
Net change in foreign currency translation adjustments	**(23)**	(37)	**(6)**	(47)
Other comprehensive income (loss)	**(1,050)**	(4,353)	**(636)**	(15,923)
Comprehensive income (loss)	**$6,752**	$2,729	**$22,735**	$ 4,473

Three Months Ended March 31
(Dollars in millions)
(Dollars in millions)
(Dollars in millions)
Net income
Net income
Net income
Other comprehensive income (loss), net-of-tax:
Other comprehensive income (loss), net-of-tax:
Other comprehensive income (loss), net-of-tax:
Net change in debt securities
Net change in debt securities
Net change in debt securities
Net change in debit valuation adjustments
Net change in debit valuation adjustments
Net change in debit valuation adjustments
Net change in derivatives
Net change in derivatives
Net change in derivatives
Employee benefit plan adjustments
Employee benefit plan adjustments
Employee benefit plan adjustments
Net change in foreign currency translation adjustments
Net change in foreign currency translation adjustments
Net change in foreign currency translation adjustments
Other comprehensive income (loss)
Other comprehensive income (loss)
Other comprehensive income (loss)
Comprehensive income (loss)
Comprehensive income (loss)
Comprehensive income (loss)

See accompanying Notes to Consolidated Financial Statements.

Bank of America Corporation and Subsidiaries

Consolidated Balance Sheet

(Dollars in millions)		March 31 2024		December 31 2023
Assets				
Cash and due from banks	**$**	**23,550**	$	27,892
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks		**289,854**		305,181
Cash and cash equivalents		**313,404**		333,073
Time deposits placed and other short-term investments		**7,859**		8,346
Federal funds sold and securities borrowed or purchased under agreements to resell (includes **$158,281** and $133,053 measured at fair value)		**316,093**		280,624
Trading account assets (includes **$154,424** and $130,815 pledged as collateral)		**318,364**		277,354
Derivative assets		**36,236**		39,323
Debt securities:				
Carried at fair value		**323,119**		276,852
Held-to-maturity, at cost (fair value **$477,748** and $496,597)		**586,863**		594,555
Total debt securities		**909,982**		871,407
Loans and leases (includes **$2,938** and $3,569 measured at fair value)		**1,049,156**		1,053,732
Allowance for loan and lease losses		**(13,213)**		(13,342)
Loans and leases, net of allowance		**1,035,943**		1,040,390
Premises and equipment, net		**11,901**		11,855
Goodwill		**69,021**		69,021
Loans held-for-sale (includes **$2,070** and $2,059 measured at fair value)		**8,571**		6,002
Customer and other receivables		**86,106**		81,881
Other assets (includes **$13,935** and $11,861 measured at fair value)		**160,323**		160,875
Total assets	**$**	**3,273,803**	$	3,180,151
Liabilities				
Deposits in U.S. offices:				
Noninterest-bearing	**$**	**524,982**	$	530,619
Interest-bearing (includes **$341** and $284 measured at fair value)		**1,304,508**		1,273,904
Deposits in non-U.S. offices:				
Noninterest-bearing		**16,502**		16,427
Interest-bearing		**100,504**		102,877
Total deposits		**1,946,496**		1,923,827
Federal funds purchased and securities loaned or sold under agreements to repurchase (includes **$206,867** and $178,609 measured at fair value)		**329,658**		283,887
Trading account liabilities		**114,326**		95,530
Derivative liabilities		**40,401**		43,432
Short-term borrowings (includes **$6,611** and $4,690 measured at fair value)		**38,895**		32,098
Accrued expenses and other liabilities (includes $14,605 and $11,473 measured at fair value and **$1,158** and $1,209 of reserve for unfunded lending commitments)		**214,129**		207,527
Long-term debt (includes **$43,975** and $42,809 measured at fair value)		**296,346**		302,204
Total liabilities		**2,980,251**		2,888,505
Commitments and contingencies *(Note 6 – Securitizations and Other Variable Interest Entities* and *Note 10 – Commitments and Contingencies)*				

Shareholders' equity				
Preferred stock, $0.01 par value; authorized – **100,000,000** shares; issued and outstanding – **4,088,099** and 4,088,099 shares		**28,397**		28,397
Common stock and additional paid-in capital, $0.01 par value; authorized – **12,800,000,000** shares;				
issued and outstanding – **7,866,868,200** and 7,895,457,665 shares		**54,310**		56,365
Retained earnings		**228,902**		224,672
Accumulated other comprehensive income (loss)		**(18,057)**		(17,788)
Total shareholders' equity		**293,552**		291,646
Total liabilities and shareholders' equity	**$**	**3,273,803**	$	3,180,151
Assets of consolidated variable interest entities included in total assets above (isolated to settle the liabilities of the variable interest entities)				
Trading account assets	$	5,838	$	6,054
Loans and leases		**19,250**		18,276
Allowance for loan and lease losses		**(920)**		(826)
Loans and leases, net of allowance		**18,330**		17,450
All other assets		**256**		269
Total assets of consolidated variable interest entities	**$**	**24,424**	$	23,773
Liabilities of consolidated variable interest entities included in total liabilities above				
Short-term borrowings (includes **$23** and $23 of non-recourse short-term borrowings)	**$**	**3,387**	$	2,957
Long-term debt (includes **$8,157** and $8,456 of non-recourse debt)		**8,157**		8,456
All other liabilities (includes **$18** and $19 of non-recourse liabilities)		**18**		19
Total liabilities of consolidated variable interest entities	**$**	**11,562**	$	11,432

See accompanying Notes to Consolidated Financial Statements.

Bank of America Corporation and Subsidiaries

Consolidated Balance Sheet

(Dollars in millions)		**September 30 2023**		December 31 2022
Assets				
Cash and due from banks	**$**	**25,255**	$	30,334
Interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks		**326,471**		199,869
Cash and cash equivalents		**351,726**		230,203
Time deposits placed and other short-term investments		**7,995**		7,259
Federal funds sold and securities borrowed or purchased under agreements to resell				
(includes **$170,332** and $146,999 measured at fair value)		**309,249**		267,574
Trading account assets (includes **$154,684** and $115,505 pledged as collateral)		**306,409**		296,108
Derivative assets		**47,464**		48,642
Debt securities:				
Carried at fair value		**175,540**		229,994
Held-to-maturity, at cost (fair value **$471,761** and $524,267)		**603,333**		632,825
Total debt securities		**778,873**		862,819
Loans and leases (includes **$4,250** and $5,771 measured at fair value)		**1,049,149**		1,045,747
Allowance for loan and lease losses		**(13,287)**		(12,682)
Loans and leases, net of allowance		**1,035,862**		1,033,065
Premises and equipment, net		**11,821**		11,510

Goodwill		**69,021**		69,022
Loans held-for-sale (includes **$1,607** and $1,115 measured at fair value)		**7,591**		6,871
Customer and other receivables		**74,347**		67,543
Other assets (includes **$9,058** and $9,594 measured at fair value)		**152,732**		150,759
Total assets	**$**	**3,153,090**	$	3,051,375
Liabilities				
Deposits in U.S. offices:				
Noninterest-bearing	**$**	**549,333**	$	640,745
Interest-bearing (includes **$404** and $311 measured at fair value)		**1,228,039**		1,182,590
Deposits in non-U.S. offices:				
Noninterest-bearing		**15,276**		20,480
Interest-bearing		**91,953**		86,526
Total deposits		**1,884,601**		1,930,341
Federal funds purchased and securities loaned or sold under agreements to repurchase (includes **$209,837** and $151,708 measured at fair value)		**300,703**		195,635
Trading account liabilities		**102,820**		80,399
Derivative liabilities		**40,855**		44,816
Short-term borrowings (includes **$4,046** and $832 measured at fair value)		**40,196**		26,932
Accrued expenses and other liabilities (includes **$10,011** and $9,752 measured at fair value and **$1,353** and $1,540 of reserve for unfunded lending commitments)		**206,492**		224,073
Long-term debt (includes **$39,443** and $33,070 measured at fair value)		**290,359**		275,982
Total liabilities		**2,866,026**		2,778,178
Commitments and contingencies *(Note 6 – Securitizations and Other Variable Interest Entities)* and (*Note 10 – Commitments and Contingencies)*				
Shareholders' equity				
Preferred stock, $0.01 par value; authorized – **100,000,000** shares; issued and outstanding – **4,088,099** and 4,088,101 shares		**28,397**		28,397
Common stock and additional paid-in capital, $0.01 par value; authorized – **12,800,000,000** shares; issued and outstanding – **7,923,357,339** and 7,996,777,943 shares		**56,710**		58,953
Retained earnings		**223,749**		207,003
Accumulated other comprehensive income (loss)		**(21,792)**		(21,156)
Total shareholders' equity		**287,064**		273,197
Total liabilities and shareholders' equity	**$**	**3,153,090**	$	3,051,375
Assets of consolidated variable interest entities included in total assets above (isolated to settle the liabilities of the variable interest entities)				
Trading account assets	**$**	**4,654**	$	2,816
Loans and leases		**16,902**		16,738
Allowance for loan and lease losses		**(809)**		(797)
Loans and leases, net of allowance		**16,093**		15,941
All other assets		**222**		116
Total assets of consolidated variable interest entities	**$**	**20,969**	$	18,873
Liabilities of consolidated variable interest entities included in total liabilities above				
Short-term borrowings (includes **$23** and $42 of non-recourse short-term borrowings)	**$**	**2,059**	$	42
Long-term debt (includes **$6,566** and $4,581 of non-recourse debt)		**6,566**		4,581
All other liabilities (includes **$12** and $13 of non-recourse liabilities)		**12**		12
Total liabilities of consolidated variable interest entities	**$**	**8,637**	$	4,635

Consolidated Statement of Changes in Shareholders' Equity

(In millions)	Preferred Stock	Common Stock and Additional Paid-in Capital		Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Total Shareholders' Equity
		Shares	Amount			
Balance, December 31, 2022	**$ 28,397**	**7,996.8**	**$ 58,953**	**$ 207,003**	**$ (21,156)**	**$ 273,197**

Cumulative adjustment for adoption of credit loss accounting standard				184		184
Net income				8,161		8,161
Net change in debt securities					555	555
Net change in debit valuation adjustments					10	10
Net change in derivatives					2,042	2,042
Employee benefit plan adjustments					10	10
Net change in foreign currency translation adjustments					12	12
Dividends declared:						
Common				(1,774)		(1,774)
Preferred				(505)		(505)
Common stock issued under employee plans, net, and other		42.4	526	(7)		519
Common stock repurchased		(66.8)	(2,215)			(2,215)
Balance, March 31, 2023	$ 28,397	7,972.4	$ 57,264	$ 213,062	$ (18,527)	$ 280,196
Balance, December 31, 2023	**$ 28,397**	**7,895.5**	**$ 56,365**	**$ 224,672**	**$ (17,788)**	**$ 291,646**
Net income				**6,674**		**6,674**
Net change in debt securities					**332**	**332**
Net change in debit valuation adjustments					**(188)**	**(188)**
Net change in derivatives					**(416)**	**(416)**
Employee benefit plan adjustments					**23**	**23**
Net change in foreign currency translation adjustments					**(20)**	**(20)**
Dividends declared:						
Common				**(1,910)**		**(1,910)**
Preferred				**(532)**		**(532)**
Common stock issued under employee plans, net, and other		**44.0**	**445**	**(2)**		**443**
Common stock repurchased		**(72.6)**	**(2,500)**			**(2,500)**
Balance, March 31, 2024	**$ 28,397**	**7,866.9**	**$ 54,310**	**$ 228,902**	**$ (18,057)**	**$ 293,552**

See accompanying Notes to Consolidated Financial Statements.

Bank of America Corporation and Subsidiaries

Consolidated Statement of Changes in Shareholders’ Equity

(In millions)	Preferred Stock	Common Stock and Additional Paid-in Capital: Shares	Common Stock and Additional Paid-in Capital: Amount	Retained Earnings	Accumulated Other Comprehensive Income (Loss)	Total Shareholders’ Equity
Balance, June 30, 2023	**$ 28,397**	**7,953.6**	**$ 57,267**	**$ 218,397**	**$ (20,742)**	**$ 283,319**
Net income				**7,802**		**7,802**
Net change in debt securities					**(642)**	**(642)**
Net change in debit valuation adjustments					**(25)**	**(25)**
Net change in derivatives					**(366)**	**(366)**
Employee benefit plan adjustments					**6**	**6**
Net change in foreign currency translation adjustments					**(23)**	**(23)**
Dividends declared:						
Common				**(1,919)**		**(1,919)**
Preferred				**(531)**		**(531)**
Common stock issued under employee plans, net, and other		**2.3**	**443**			**443**
Common stock repurchased		**(32.5)**	**(1,000)**			**(1,000)**

Balance, September 30, 2023	$ 28,397	7,923.4	$ 56,710	$ 223,749	$ (21,792)	$ 287,064
Balance, December 31, 2022	$ 28,397	7,996.8	$ 58,953	$ 207,003	$ (21,156)	$ 273,197
Cumulative adjustment for adoption of credit loss accounting standard				184		184
Net income				23,371		23,371
Net change in debt securities					81	81
Net change in debit valuation adjustments					(419)	(419)
Net change in derivatives					(317)	(317)
Employee benefit plan adjustments					25	25
Net change in foreign currency translation adjustments					(6)	(6)
Dividends declared:						
Common				(5,459)		(5,459)
Preferred				(1,343)		(1,343)
Common stock issued under employee plans, net, and other		45.1	1,522	(7)		1,515
Common stock repurchased		(118.5)	(3,765)			(3,765)
Balance, September 30, 2023	$ 28,397	7,923.4	$ 56,710	$ 223,749	$ (21,792)	$ 287,064
Balance, June 30, 2022	$ 29,134	8,035.2	$ 59,499	$ 197,159	$ (16,674)	$ 269,118
Net income				7,082		7,082
Net change in debt securities					(1,112)	(1,112)
Net change in debit valuation adjustments					462	462
Net change in derivatives					(3,703)	(3,703)
Employee benefit plan adjustments					37	37
Net change in foreign currency translation adjustments					(37)	(37)
Dividends declared:						
Common				(1,780)		(1,780)
Preferred				(503)		(503)
Common stock issued under employee plans, net, and other		2.5	411	(1)		410
Common stock repurchased		(13.2)	(450)			(450)
Balance, September 30, 2022	$ 29,134	8,024.5	$ 59,460	$ 201,957	$ (21,027)	$ 269,524
Balance, December 31, 2021	$ 24,708	8,077.8	$ 62,398	$ 188,064	$ (5,104)	$ 270,066
Net income				20,396		20,396
Net change in debt securities					(6,381)	(6,381)
Net change in debit valuation adjustments					1,298	1,298
Net change in derivatives					(10,890)	(10,890)
Employee benefit plan adjustments					97	97
Net change in foreign currency translation adjustments					(47)	(47)
Dividends declared:						
Common				(5,188)		(5,188)
Preferred				(1,285)		(1,285)
Issuance of preferred stock	4,426					4,426
Common stock issued under employee plans, net, and other		44.5	1,137	(30)		1,107
Common stock repurchased		(97.8)	(4,075)			(4,075)
Balance, September 30, 2022	$ 29,134	8,024.5	$ 59,460	$ 201,957	$ (21,027)	$ 269,524

See accompanying Notes to Consolidated Financial Statements.

Bank of America Corporation and Subsidiaries

Consolidated Statement of Cash Flows

Consolidated Statement of Cash Flows

Consolidated Statement of Cash Flows

Consolidated Statement of Cash Flows

Consolidated Statement of Cash Flows

Nine Months Ended September 30

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	2023	2022
Operating activities		
Net income	$ **23,371**	$ 20,396
Adjustments to reconcile net income to net cash provided by operating activities:		
Provision for credit losses	**3,290**	1,451
(Gains) losses on sales of debt securities	**404**	(37)
Depreciation and amortization	**1,530**	1,476
Net amortization of premium/discount on debt securities	**155**	1,862

Operating activities

Operating activities

Operating activities

Net income

Net income

Net income

Adjustments to reconcile net income to net cash provided by operating activities:

Adjustments to reconcile net income to net cash provided by operating activities:

Adjustments to reconcile net income to net cash provided by operating activities:

Provision for credit losses

Provision for credit losses

Provision for credit losses

(Gains) losses on sales of debt securities

(Gains) losses on sales of debt securities

(Gains) losses on sales of debt securities

Depreciation and amortization

Depreciation and amortization

Depreciation and amortization

Net (accretion) amortization of discount/premium on debt securities

Net (accretion) amortization of discount/premium on debt securities

Net (accretion) amortization of discount/premium on debt securities

Deferred income taxes	Deferred income taxes	**(1,440)**	620
Deferred income taxes			
Deferred income taxes			
Stock-based compensation			
Stock-based compensation			
Stock-based compensation	Stock-based compensation	**2,214**	2,235
Loans held-for-sale:	Loans held-for-sale:		
Loans held-for-sale:			
Loans held-for-sale:			
Originations and purchases			
Originations and purchases			
Originations and purchases	Originations and purchases	**(11,545)**	(18,736)
Proceeds from sales and paydowns of loans originally classified as held for sale and instruments from related securitization activities	Proceeds from sales and paydowns of loans originally classified as held for sale and instruments from related securitization activities	**10,716**	27,260
Proceeds from sales and paydowns of loans originally classified as held for sale and instruments from related securitization activities			
Proceeds from sales and paydowns of loans originally classified as held for sale and instruments from related securitization activities			
Net change in:			
Net change in:			
Net change in:	Net change in:		
Trading and derivative assets/liabilities	Trading and derivative assets/liabilities	**4,681**	(106,322)
Trading and derivative assets/liabilities			
Trading and derivative assets/liabilities			
Other assets			
Other assets			
Other assets	Other assets	**(6,887)**	7,623
Accrued expenses and other liabilities	Accrued expenses and other liabilities	**(18,086)**	23,869
Accrued expenses and other liabilities			
Accrued expenses and other liabilities			
Other operating activities, net	Other operating activities, net	**3,855**	978
Net cash provided by (used in) operating activities		**12,258**	(37,325)
Other operating activities, net			
Other operating activities, net			
Net cash used in operating activities			
Net cash used in operating activities			
Net cash used in operating activities			
Investing activities			
Investing activities			
Investing activities	**Investing activities**		
Net change in:	Net change in:		
Net change in:			

Net change in:

Time deposits placed and other short-term investments

Time deposits placed and other short-term investments

Time deposits placed and other short-term investments	Time deposits placed and other short-term investments	**(736)**	(305)
Federal funds sold and securities borrowed or purchased under agreements to resell	Federal funds sold and securities borrowed or purchased under agreements to resell	**(41,675)**	(24,527)

Federal funds sold and securities borrowed or purchased under agreements to resell

Federal funds sold and securities borrowed or purchased under agreements to resell

Debt securities carried at fair value:

Debt securities carried at fair value:

Debt securities carried at fair value:	Debt securities carried at fair value:		
Proceeds from sales	Proceeds from sales	**94,080**	58,888

Proceeds from sales

Proceeds from sales

Proceeds from paydowns and maturities

Proceeds from paydowns and maturities

Proceeds from paydowns and maturities	Proceeds from paydowns and maturities	**50,008**	90,161
Purchases	Purchases	**(90,855)**	(114,027)

Purchases

Purchases

Held-to-maturity debt securities:

Held-to-maturity debt securities:

Held-to-maturity debt securities:	Held-to-maturity debt securities:		
Proceeds from paydowns and maturities	Proceeds from paydowns and maturities	**28,517**	53,340

Proceeds from paydowns and maturities

Proceeds from paydowns and maturities

Purchases

Purchases

Purchases	Purchases	**(98)**	(24,059)
Loans and leases:	Loans and leases:		

Loans and leases:

Loans and leases:

Proceeds from sales of loans originally classified as held for investment and instruments from related securitization activities

Proceeds from sales of loans originally classified as held for investment and instruments from related securitization activities

Proceeds from sales of loans originally classified as held for investment and instruments from related securitization activities	Proceeds from sales of loans originally classified as held for investment and instruments from related securitization activities	**7,734**	20,544
Purchases	Purchases	**(3,935)**	(4,618)
Purchases			
Purchases			
Other changes in loans and leases, net			
Other changes in loans and leases, net			
Other changes in loans and leases, net	Other changes in loans and leases, net	**(9,973)**	(69,267)
Other investing activities, net	Other investing activities, net	**(4,271)**	(3,039)
Other investing activities, net			
Other investing activities, net			
Net cash provided by (used in) investing activities			
Net cash provided by (used in) investing activities			
Net cash provided by (used in) investing activities	Net cash provided by (used in) investing activities	**28,796**	(16,909)
Financing activities	**Financing activities**		
Financing activities			
Financing activities			
Net change in:			
Net change in:			
Net change in:	Net change in:		
Deposits	Deposits	**(45,740)**	(126,434)
Deposits			
Deposits			
Federal funds purchased and securities loaned or sold under agreements to repurchase			
Federal funds purchased and securities loaned or sold under agreements to repurchase			
Federal funds purchased and securities loaned or sold under agreements to repurchase	Federal funds purchased and securities loaned or sold under agreements to repurchase	**105,068**	23,298
Short-term borrowings	Short-term borrowings	**13,264**	(2,709)
Short-term borrowings			
Short-term borrowings			
Long-term debt:			
Long-term debt:			
Long-term debt:	Long-term debt:		
Proceeds from issuance	Proceeds from issuance	**52,955**	55,202
Proceeds from issuance			
Proceeds from issuance			
Retirement	Retirement	**(32,167)**	(24,390)
Preferred stock:			
Proceeds from issuance		**—**	4,426

Retirement			
Retirement			
Common stock repurchased			
Common stock repurchased			
Common stock repurchased	Common stock repurchased	**(3,765)**	(4,075)
Cash dividends paid	Cash dividends paid	**(6,854)**	(6,471)
Cash dividends paid			
Cash dividends paid			
Other financing activities, net	Other financing activities, net	**(707)**	(501)
Net cash provided by (used in) financing activities		**82,054**	(81,654)
Other financing activities, net			
Other financing activities, net			
Net cash provided by financing activities			
Net cash provided by financing activities			
Net cash provided by financing activities			
Effect of exchange rate changes on cash and cash equivalents			
Effect of exchange rate changes on cash and cash equivalents			
Effect of exchange rate changes on cash and cash equivalents	Effect of exchange rate changes on cash and cash equivalents	**(1,585)**	(7,357)
Net increase (decrease) in cash and cash equivalents	Net increase (decrease) in cash and cash equivalents	**121,523**	(143,245)
Net increase (decrease) in cash and cash equivalents			
Net increase (decrease) in cash and cash equivalents			
Cash and cash equivalents at January 1	Cash and cash equivalents at January 1	**230,203**	348,221
Cash and cash equivalents at September 30		**$351,726**	$204,976
Cash and cash equivalents at January 1			
Cash and cash equivalents at January 1			
Cash and cash equivalents at March 31			
Cash and cash equivalents at March 31			
Cash and cash equivalents at March 31			

See accompanying Notes to Consolidated Financial Statements.

Bank of America Corporation and Subsidiaries

Notes to Consolidated Financial Statements

NOTE 1 Summary of Significant Accounting Principles

Bank of America Corporation, a bank holding company and a financial holding company, provides a diverse range of financial services and products throughout the U.S. and in certain international markets. The term "the Corporation" as used herein may refer to Bank of America Corporation, individually, Bank of America Corporation and its subsidiaries, or certain of Bank of America Corporation's subsidiaries or affiliates.

Principles of Consolidation and Basis of Presentation

The Consolidated Financial Statements include the accounts of the Corporation and its majority-owned subsidiaries and those variable interest entities (VIEs) where the Corporation is the primary beneficiary. Intercompany accounts and transactions have been eliminated. Results of operations of acquired companies are included from the dates of acquisition, and for VIEs, from the dates that the Corporation became the primary beneficiary. Assets held in an agency or fiduciary capacity are not included in the Consolidated Financial Statements. The Corporation accounts for investments in companies for which it owns a voting interest and for which it has the ability to exercise significant influence over operating and financing decisions using the equity method of accounting. These investments, which include the Corporation's interests in affordable housing and renewable energy partnerships, are recorded in other assets. Equity method investments are subject to impairment testing, and the Corporation's proportionate share of income or loss is included in other income.

The preparation of the Consolidated Financial Statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect reported amounts and disclosures. Actual results could materially differ from those estimates and assumptions.

These unaudited Consolidated Financial Statements should be read in conjunction with the audited Consolidated Financial Statements, and related notes thereto, of the Corporation's 2022 2023 Annual Report on Form 10-K.

The nature of the Corporation's business is such that the results of any interim period are not necessarily indicative of results for a full year. In the opinion of management, all adjustments, which consist of normal recurring adjustments necessary for a fair statement of the interim period results, have been made. The Corporation evaluates subsequent events through the date of filing with the Securities and Exchange Commission (SEC). Certain prior-period amounts have been reclassified to conform to current-period presentation.

New Accounting Standard Issued

Investments – Equity Method and Joint Ventures

The FASB updated its guidance on the accounting for tax credit investments, which permits entities to make an accounting policy election to apply the proportional amortization method when certain conditions are met. The new accounting guidance is effective on a retrospective or modified retrospective basis beginning on January 1, 2024, with early adoption permitted. If adopted, the Corporation does not expect the guidance to have a material impact on its consolidated financial position or results of operations.

New Accounting Standard Adopted

Financial Instruments – Credit Losses

On January 1, 2023, the Corporation adopted the new accounting and disclosure requirements for expected credit losses (ECL) that removed the recognition and measurement guidance on troubled debt restructurings (TDRs) and added disclosures on the financial effect and subsequent performance of certain types of modifications made to borrowers experiencing financial difficulties.

Upon adoption of the standard, the Corporation recorded a reduction of $243 million in the allowance for credit losses for the impact of changes in the methodology used to estimate the allowance for credit losses for non-collateral dependent consumer and commercial TDRs. There was no impact to the valuation of loans previously classified as collateral-dependent TDRs. After adjusting for deferred taxes, the Corporation recorded an increase of $184 million in retained earnings through a cumulative-effect adjustment.

The additional disclosures are included in *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses* on a prospective basis and include loan modifications where the contractual payment terms of the borrower's loan agreement were modified through a refinancing or restructuring. Modifications that do not impact the contractual payment terms, such as covenant waivers, insignificant payment deferrals, and any modifications made to loans carried at fair value, loans held-for-sale (LHFS) and leases are not included in the disclosures.

The Corporation uses various indicators to identify borrowers in financial difficulty. Consumer loan borrowers that are delinquent and commercial loan borrowers that are rated substandard or worse are the primary criteria used to identify borrowers who are experiencing financial difficulty.

If a borrower is current at the time of modification, the loan generally remains a performing loan as long as there is demonstrated performance prior to the modification, and payment in full under the modified terms is expected. Otherwise, the loan is placed on nonaccrual status and reported as nonperforming, excluding fully-insured consumer real estate loans, until there is sustained repayment performance for a reasonable period.

The allowance for loan and lease losses for modified loans is determined in a manner consistent with the methodology for the respective class and credit rating of the financing receivable as described in *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 Annual Report on Form 10-K.

NOTE 2 **Net Interest Income and Noninterest Income**

The table below presents the Corporation's net interest income and noninterest income disaggregated by revenue source for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. For more information, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K. For a disaggregation of noninterest income by business segment and *All Other*, see *Note 17 – Business Segment Information.*

		Three Months Ended March 31			
		Three Months Ended September 30		**Nine Months Ended September 30**	
		Three Months Ended March 31			
		Three Months Ended March 31			
(Dollars in millions)					
(Dollars in millions)					
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022
Net interest income	**Net interest income**				
Net interest income					
Net interest income					
Interest income					
Interest income					
Interest income	**Interest income**				
Loans and leases	Loans and leases	**$ 14,830**	$ 10,231	**$ 41,897**	$ 25,805
Loans and leases					
Loans and leases					
Debt securities					
Debt securities					
Debt securities	Debt securities	**4,658**	4,239	**14,809**	12,111
Federal funds sold and securities borrowed or purchased under agreements to resell	Federal funds sold and securities borrowed or purchased under agreements to resell	**4,888**	1,446	**13,555**	1,835
Federal funds sold and securities borrowed or purchased under agreements to resell					
Federal funds sold and securities borrowed or purchased under agreements to resell					
Trading account assets	Trading account assets	**2,217**	1,449	**6,321**	3,753
Other interest income		**7,031**	2,256	**18,051**	3,986
Trading account assets					
Trading account assets					
Other interest income (1)					
Other interest income (1)					
Other interest income (1)					
Total interest income					
Total interest income					
Total interest income	Total interest income	**33,624**	19,621	**94,633**	47,490
Interest expense	**Interest expense**				
Interest expense					
Interest expense					
Deposits					

Deposits					
Deposits	Deposits	**7,340**	1,235	**17,439**	1,719
Short-term borrowings	Short-term borrowings	**7,629**	2,264	**22,164**	2,705
Short-term borrowings					
Short-term borrowings					
Trading account liabilities					
Trading account liabilities					
Trading account liabilities	Trading account liabilities	**510**	383	**1,486**	1,117
Long-term debt	Long-term debt	**3,766**	1,974	**10,559**	4,168
Long-term debt					
Long-term debt					
Total interest expense	Total interest expense	**19,245**	5,856	**51,648**	9,709
Total interest expense					
Total interest expense					
Net interest income					
Net interest income					
Net interest income	Net interest income	**$ 14,379**	$ 13,765	**$ 42,985**	$ 37,781
Noninterest income	**Noninterest income**				
Noninterest income					
Noninterest income					
Fees and commissions					
Fees and commissions					
Fees and commissions	**Fees and commissions**				
Card income	**Card income**				
Interchange fees (1)		**$ 994**	$ 1,060	**$ 2,973**	$ 3,067
Card income					
Card income					
Interchange fees (2)					
Interchange fees (2)					
Interchange fees (2)					
Other card income					
Other card income					
Other card income	Other card income	**526**	513	**1,562**	1,464
Total card income	Total card income	**1,520**	1,573	**4,535**	4,531
Total card income					
Total card income					
Service charges					
Service charges					
Service charges	**Service charges**				
Deposit-related fees	Deposit-related fees	**1,124**	1,162	**3,266**	4,109
Deposit-related fees					
Deposit-related fees					
Lending-related fees					
Lending-related fees					

Lending-related fees	Lending-related fees	**340**	304	**972**	907
Total service charges	Total service charges	**1,464**	1,466	**4,238**	5,016
Total service charges					
Total service charges					
Investment and brokerage services					
Investment and brokerage services					
Investment and brokerage services	**Investment and brokerage services**				
Asset management fees	Asset management fees	**3,103**	2,920	**8,990**	9,308
Asset management fees					
Asset management fees					
Brokerage fees					
Brokerage fees					
Brokerage fees	Brokerage fees	**860**	875	**2,664**	2,870
Total investment and brokerage services	Total investment and brokerage services	**3,963**	3,795	**11,654**	12,178
Total investment and brokerage services					
Total investment and brokerage services					
Investment banking fees					
Investment banking fees					
Investment banking fees	**Investment banking fees**				
Underwriting income	Underwriting income	**531**	452	**1,757**	1,559
Underwriting income					
Underwriting income					
Syndication fees					
Syndication fees					
Syndication fees	Syndication fees	**209**	283	**620**	896
Financial advisory services	Financial advisory services	**448**	432	**1,186**	1,297
Financial advisory services					
Financial advisory services					
Total investment banking fees					
Total investment banking fees					
Total investment banking fees	Total investment banking fees	**1,188**	1,167	**3,563**	3,752
Total fees and commissions	**Total fees and commissions**	**8,135**	8,001	**23,990**	25,477
Total fees and commissions					
Total fees and commissions					
Market making and similar activities					
Market making and similar activities					
Market making and similar activities	**Market making and similar activities**	**3,325**	3,068	**11,734**	9,023

Other income (loss)	Other income (loss)	**(672)**	(332)	**(2,087)**	(1,863)
Other income (loss)					
Other income (loss)					
Total noninterest income	Total noninterest income	**$ 10,788**	$ 10,737	**$ 33,637**	$ 32,637
Total noninterest income					
Total noninterest income					

(1) Includes interest income on interest-bearing deposits with the Federal Reserve, non-U.S. central banks and other banks of $4.5 billion and $2.0 billion for the three months ended March 31, 2024 and 2023.

(2) Gross interchange fees and merchant income are $3.4 billion and $3.3 billion were $3.2 billion for both the three months ended September 30, 2023 March 31, 2024 and 2022 2023 and are presented net of $2.4 billion $2.3 billion and $2.2 billion of expenses for rewards and partner payments as well as certain other card costs for the same periods. Gross interchange fees and merchant income were $9.9 billion and $9.5 billion for the nine months ended September 30, 2023 and 2022 and are presented net of $7.0 billion and $6.4 billion of expenses for rewards and partner payments as well as certain other card costs for the same periods.

NOTE 3 Derivatives

Derivative Balances

Derivatives are entered into on behalf of customers, for trading or to support risk management activities. Derivatives used in risk management activities include derivatives that may or may not be designated in qualifying hedge accounting relationships. Derivatives that are not designated in qualifying hedge accounting relationships are referred to as other risk management derivatives. For more information on the Corporation's derivatives and hedging activities, see *Note 1 – Summary of Significant Accounting Principles* and *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K. The following tables present derivative instruments included on the Consolidated Balance Sheet in derivative assets and liabilities at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Balances are presented on a gross basis, prior to the application of counterparty and cash collateral netting. Total derivative assets and liabilities are adjusted on an aggregate basis to take into consideration the effects of legally enforceable master netting agreements and have been reduced by cash collateral received or paid.

		September 30, 2023						
			Gross Derivative Assets			Gross Derivative Liabilities		
		March 31, 2024						
		March 31, 2024						
		March 31, 2024						
			Gross Derivative Assets			Gross Derivative Assets		Gross Derivative Liabilities
(Dollars in billions)	(Dollars in billions)	Contract/ Notional (1)	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total
Interest rate contracts	Interest rate contracts							
Swaps	Swaps	$ 20,628.1	$ 149.2	$ 9.0	$158.2	$ 125.0	$ 29.7	$154.7
Futures and forwards	Futures and forwards	3,903.6	11.1	—	11.1	9.5	—	9.5
Written options (2)	Written options (2)	1,874.9	—	—	—	42.4	—	42.4
Purchased options (3)	Purchased options (3)	1,764.8	43.0	—	43.0	—	—	—
Foreign exchange contracts	Foreign exchange contracts							
Swaps	Swaps	1,905.9	41.2	0.7	41.9	38.6	0.2	38.8
Swaps								
Swaps								
Spot, futures and forwards	Spot, futures and forwards	4,947.1	49.3	1.1	50.4	47.1	0.9	48.0

(Dollars in billions)	Contract/ Notional (1)	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total
Interest rate contracts							

Written options (2)	Written options (2)	464.4	—	—	—	7.4	—	7.4
Purchased options (3)	Purchased options (3)	442.3	7.8	—	7.8	—	—	—
Equity contracts	**Equity contracts**							
Swaps								
Swaps								
Swaps	Swaps	411.2	12.7	—	12.7	14.0	—	14.0
Futures and forwards	Futures and forwards	138.4	2.1	—	2.1	1.4	—	1.4
Written options (2)	Written options (2)	1,018.1	—	—	—	47.8	—	47.8
Purchased options (3)	Purchased options (3)	873.1	42.0	—	42.0	—	—	—
Commodity contracts	**Commodity contracts**							
Swaps	Swaps	62.7	3.2	—	3.2	4.5	—	4.5
Swaps								
Swaps								
Futures and forwards	Futures and forwards	185.9	3.7	—	3.7	2.4	0.7	3.1
Written options (2)	Written options (2)	61.1	—	—	—	3.5	—	3.5
Purchased options (3)	Purchased options (3)	67.0	3.2	—	3.2	—	—	—
Credit derivatives (4)	**Credit derivatives (4)**							
Purchased credit derivatives:	Purchased credit derivatives:							
Purchased credit derivatives:								
Purchased credit derivatives:								
Credit default swaps								
Credit default swaps								
Credit default swaps	Credit default swaps	412.6	2.3	—	2.3	1.9	—	1.9
Total return swaps/options	Total return swaps/options	66.0	1.5	—	1.5	0.9	—	0.9
Written credit derivatives:	Written credit derivatives:							
Credit default swaps								
Credit default swaps								
Credit default swaps	Credit default swaps	386.2	1.6	—	1.6	2.0	—	2.0
Total return swaps/options	Total return swaps/options	61.7	1.4	—	1.4	0.5	—	0.5
Gross derivative assets/liabilities	Gross derivative assets/liabilities		$ 375.3	$ 10.8	$386.1	$ 348.9	$ 31.5	$380.4
Less: Legally enforceable master netting agreements	Less: Legally enforceable master netting agreements				(305.7)			(305.7)
Less: Cash collateral received/paid	Less: Cash collateral received/paid				(32.9)			(33.8)
Total derivative assets/liabilities	**Total derivative assets/liabilities**				$ 47.5			$ 40.9

(1) Represents the total contract/notional amount of derivative assets and liabilities outstanding.

(2) Includes certain out-of-the-money purchased options that have a liability amount primarily due to the deferral of option premiums to the end of the contract.

(3) Includes certain out-of-the-money written options that have an asset amount primarily due to the deferral of option premiums to the end of the contract.

(4) The net derivative asset (liability) and notional amount of written credit derivatives for which the Corporation held purchased credit derivatives with identical underlying referenced names were $(420) million $571 million and $366.1 billion $337.8 billion at September 30, 2023 March 31, 2024.

			December 31, 2022					
			Gross Derivative Assets			Gross Derivative Liabilities		
			December 31, 2023					
			December 31, 2023					
			December 31, 2023					
			Gross Derivative Assets					
(Dollars in billions)	(Dollars in billions)	Contract/ Notional (1)	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total
Interest rate contracts	**Interest rate contracts**							
Swaps	Swaps	$18,285.9	$ 138.2	$ 20.7	$158.9	$ 120.3	$ 36.7	$157.0
Futures and forwards	Futures and forwards	2,796.3	8.6	—	8.6	7.8	—	7.8
Written options (2)	Written options (2)	1,657.9	—	—	—	41.4	—	41.4
Purchased options (3)	Purchased options (3)	1,594.7	42.4	—	42.4	—	—	—
Foreign exchange contracts	**Foreign exchange contracts**							
Swaps	Swaps	1,509.0	44.0	0.3	44.3	43.3	0.4	43.7
Spot, futures and forwards	Spot, futures and forwards	4,159.3	59.9	0.1	60.0	62.1	0.6	62.7
Written options (2)	Written options (2)	392.2	—	—	—	8.1	—	8.1
Purchased options (3)	Purchased options (3)	362.6	8.3	—	8.3	—	—	—
Equity contracts	**Equity contracts**							
Swaps	Swaps	394.0	10.8	—	10.8	12.2	—	12.2
Futures and forwards	Futures and forwards	114.6	3.3	—	3.3	1.0	—	1.0
Written options (2)	Written options (2)	746.8	—	—	—	45.0	—	45.0
Purchased options (3)	Purchased options (3)	671.6	40.9	—	40.9	—	—	—
Commodity contracts	**Commodity contracts**							
Swaps	Swaps	56.0	5.1	—	5.1	5.3	—	5.3
Futures and forwards	Futures and forwards	157.3	3.0	—	3.0	2.3	0.8	3.1
Written options (2)	Written options (2)	59.5	—	—	—	3.3	—	3.3
Purchased options (3)	Purchased options (3)	61.8	3.6	—	3.6	—	—	—
Credit derivatives (4)	**Credit derivatives (4)**							
Purchased credit derivatives:	Purchased credit derivatives:							
Credit default swaps	Credit default swaps	319.9	2.8	—	2.8	1.6	—	1.6
Total return swaps/options	Total return swaps/options	71.5	0.7	—	0.7	3.0	—	3.0

							Gross Derivative Liabilities
		Gross Derivative Assets			Gross Derivative Assets		
(Dollars in billions)	Contract/ Notional (1)	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total	Trading and Other Risk Management Derivatives	Qualifying Accounting Hedges	Total
Interest rate contracts							
Foreign exchange contracts							
Equity contracts							
Commodity contracts							
Credit derivatives (4)							
Purchased credit derivatives:							

Written credit derivatives:	Written credit derivatives:							
Credit default swaps	Credit default swaps	295.2	1.2	—	1.2	2.4	—	2.4
Total return swaps/options	Total return swaps/options	85.3	4.4	—	4.4	0.9	—	0.9
Gross derivative assets/liabilities	Gross derivative assets/liabilities		$ 377.2	$ 21.1	$398.3	$ 360.0	$ 38.5	$398.5
Less: Legally enforceable master netting agreements	Less: Legally enforceable master netting agreements				(315.9)			(315.9)
Less: Cash collateral received/paid	Less: Cash collateral received/paid				(33.8)			(37.8)
Total derivative assets/liabilities	**Total derivative assets/liabilities**				$ 48.6			$ 44.8

Written credit derivatives:

(1) Represents the total contract/notional amount of derivative assets and liabilities outstanding.

(2) Includes certain out-of-the-money purchased options that have a liability amount primarily due to the deferral of option premiums to the end of the contract.

(3) Includes certain out-of-the-money written options that have an asset amount primarily due to the deferral of option premiums to the end of the contract.

(4) The net derivative asset (liability) and notional amount of written credit derivatives for which the Corporation held purchased credit derivatives with identical underlying referenced names were $(1.2) billion $520 million and $276.9 billion $266.5 billion at December 31, 2022 December 31, 2023.

Offsetting of Derivatives

The Corporation enters into International Swaps and Derivatives Association, Inc. (ISDA) master netting agreements or similar agreements with substantially all of the Corporation's derivative counterparties. For more information, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

The following table presents derivative instruments included in derivative assets and liabilities on the Consolidated Balance Sheet at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 by primary risk (e.g., interest rate risk) and the platform, where applicable, applicable, on which these derivatives are transacted. Balances are presented on a gross basis, prior to the application of counterparty and cash collateral netting. Total gross derivative assets and liabilities are adjusted on an aggregate basis to take into consideration the effects of legally enforceable master netting agreements, which include reducing the balance for counterparty netting and cash collateral received or paid.

For more information on offsetting of securities financing agreements, see *Note 9 – Securities Financing Agreements, Collateral and Restricted Cash*.

Offsetting of Derivatives (1)

Offsetting of Derivatives (1)

Offsetting of Derivatives (1)

Offsetting of Derivatives (1)

(Dollars in billions)	(Dollars in billions)	Derivative Assets	Derivative Liabilities	Derivative Assets	Derivative Liabilities
		September 30, 2023		December 31, 2022	
Interest rate contracts	Interest rate contracts				
Over-the-counter	Over-the-counter	$ 135.6	$ 127.9	$ 138.4	$ 132.3

(Dollars in billions)	Derivative Assets	Derivative Liabilities	Derivative Assets	Derivative Liabilities
	March 31, 2024		December 31, 2023	
Interest rate contracts				

Exchange-traded	Exchange-traded	**0.4**	**0.2**	0.4	0.1
Over-the-counter cleared	Over-the-counter cleared	**75.3**	**75.5**	71.4	71.1
Foreign exchange contracts	**Foreign exchange contracts**				
Over-the-counter	Over-the-counter	**97.8**	**92.5**	109.7	110.6
Over-the-counter					
Over-the-counter					
Over-the-counter cleared	Over-the-counter cleared	**0.9**	**0.9**	1.3	1.2
Equity contracts	**Equity contracts**				
Over-the-counter	Over-the-counter	**23.9**	**27.3**	21.5	22.6
Over-the-counter					
Over-the-counter					
Exchange-traded	Exchange-traded	**32.6**	**34.0**	33.0	33.8
Commodity contracts	**Commodity contracts**				
Over-the-counter					
Over-the-counter					
Over-the-counter	Over-the-counter	**6.8**	**8.0**	8.3	9.3
Exchange-traded	Exchange-traded	**2.4**	**2.4**	2.4	1.9
Over-the-counter cleared	Over-the-counter cleared	**0.4**	**0.5**	0.3	0.3
Credit derivatives	**Credit derivatives**				
Over-the-counter	Over-the-counter	**6.7**	**5.2**	8.9	7.5
Over-the-counter					
Over-the-counter					
Total gross derivative assets/liabilities, before netting	Total gross derivative assets/liabilities, before netting				
Total gross derivative assets/liabilities, before netting					
Total gross derivative assets/liabilities, before netting					
Over-the-counter					
Over-the-counter					
Over-the-counter	Over-the-counter	**270.8**	**260.9**	286.8	282.3
Exchange-traded	Exchange-traded	**35.4**	**36.6**	35.8	35.8
Over-the-counter cleared	Over-the-counter cleared	**76.6**	**76.9**	73.0	72.6

Less: Legally enforceable master netting agreements and cash collateral received/paid	Less: Legally enforceable master netting agreements and cash collateral received/paid				
Over-the-counter					
Over-the-counter					
Over-the-counter	Over-the-counter	**(228.9)**	**(229.4)**	(243.8)	(248.2)
Exchange-traded	Exchange-traded	**(34.5)**	**(34.5)**	(33.5)	(33.5)
Over-the-counter cleared	Over-the-counter cleared	**(75.2)**	**(75.6)**	(72.4)	(72.0)
Derivative assets/liabilities, after netting	Derivative assets/liabilities, after netting	**44.2**	**34.9**	45.9	37.0
Other gross derivative assets/liabilities (2)	Other gross derivative assets/liabilities (2)	**3.3**	**6.0**	2.7	7.8
Total derivative assets/liabilities	Total derivative assets/liabilities	**47.5**	**40.9**	48.6	44.8
Less: Financial instruments collateral (3)	Less: Financial instruments collateral (3)	**(18.5)**	**(9.9)**	(18.5)	(7.4)
Total net derivative assets/liabilities	**Total net derivative assets/liabilities**	**$ 29.0**	**$ 31.0**	$ 30.1	$ 37.4

(1) Over-the-counter derivatives include bilateral transactions between the Corporation and a particular counterparty. Over-the-counter cleared derivatives include bilateral transactions between the Corporation and a counterparty where the transaction is cleared through a clearinghouse. Exchange-traded derivatives include listed options transacted on an exchange.

(2) Consists of derivatives entered into under master netting agreements where the enforceability of these agreements is uncertain under bankruptcy laws in some countries or industries.

(3) Amounts are limited to the derivative asset/liability balance and, accordingly, do not include excess collateral received/pledged. Financial instruments collateral includes securities collateral received or pledged and cash securities held and posted at third-party custodians that are not offset on the Consolidated Balance Sheet but shown as a reduction to derive net derivative assets and liabilities.

Derivatives Designated as Accounting Hedges

The Corporation uses various types of interest rate and foreign exchange derivative contracts to protect against changes in the fair value of its assets and liabilities due to fluctuations in interest rates and foreign exchange rates (fair value hedges). The Corporation also uses these types of contracts to protect against changes in the cash flows of its assets and liabilities, and other forecasted transactions (cash flow hedges). The Corporation hedges its net investment in consolidated non-U.S.

operations determined to have functional currencies other than the U.S. dollar using forward exchange contracts and cross-currency basis swaps, and by issuing foreign currency-denominated debt (net investment hedges).

Fair Value Hedges

The table below summarizes information related to fair value hedges for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023.

Gains and Losses on Derivatives Designated as Fair Value Hedges

Gains and Losses on Derivatives Designated as Fair Value Hedges

Gains and Losses on Derivatives Designated as Fair Value Hedges

Gains and Losses on Derivatives Designated as Fair Value Hedges

Three Months Ended March 31

Three Months Ended March 31

2024

2024

(Dollars in millions)

(Dollars in millions)

	Three Months Ended March 31
	2024
(Dollars in millions)	
Interest rate risk on long-term debt (1)	
Interest rate and foreign currency risk (2)	
Interest rate risk on available-for-sale securities (3)	
Price risk on commodity inventory (4)	

Interest rate risk on long-term debt (1)

Interest rate risk on long-term debt (1)

Interest rate and foreign currency risk (2)

Interest rate and foreign currency risk (2)

Interest rate risk on available-for-sale securities (3)

Interest rate risk on available-for-sale securities (3)

Price risk on commodity inventory (4)

Price risk on commodity inventory (4)

Total
Total
Total

(Dollars in millions)	**Three Months Ended September 30, 2023**		Three Months Ended September 30, 2022	
	Derivative	**Hedged Item**	Derivative	Hedged Item
Interest rate risk on long-term debt (1)	**$ (4,339)**	**$ 4,299**	$ (8,435)	$ 8,437
Interest rate and foreign currency risk (2)	**114**	**(113)**	(77)	78
Interest rate risk on available-for-sale securities (3)	**1,934**	**(1,927)**	8,675	(8,769)
Price risk on commodity inventory (4)	**410**	**(410)**	1,006	(938)
Total	**$ (1,881)**	**$ 1,849**	$ 1,169	$ (1,192)

`	**Nine Months Ended September 30, 2023**		Nine Months Ended September 30, 2022	
	Derivative	**Hedged Item**	Derivative	Hedged Item
Interest rate risk on long-term debt (1)	**$ (4,581)**	**$ 4,510**	$ (27,458)	$ 27,630
Interest rate and foreign currency risk (2)	**229**	**(225)**	(137)	137
Interest rate risk on available-for-sale securities (3)	**787**	**(795)**	23,442	(23,705)
Price risk on commodity inventory (4)	**582**	**(582)**	1,374	(1,270)
Total	**$ (2,983)**	**$ 2,908**	$ (2,779)	$ 2,792

(1) Amounts are recorded in interest expense in the Consolidated Statement of Income.

(2) Represents cross-currency interest rate swaps related to available-for-sale debt securities and long-term debt. For the three and nine months ended September 30, 2023, March 31, 2024 and 2023, the derivative amount includes gains (losses) of $21 million $9 million and $22 million $0 in interest income, $2 million $0 and $9 million $8 million in interest expense, $90 million $324 million and $195 million $1 million in market making and similar activities, and $1 million $11 million and $3 million $(1) million in accumulated other comprehensive income (OCI). For the same periods in 2022, the derivative amount includes gains (losses) of $(6) million and $(40) million in interest expense, $(71) million and $(96) million in market making and similar activities, and $0 and $(1) million in accumulated OCI. Line item totals are in the Consolidated Statement of Income and on the Consolidated Balance Sheet.

(3) Amounts are recorded in interest income in the Consolidated Statement of Income.

(4) Amounts are recorded in market making and similar activities in the Consolidated Statement of Income.

The following table below summarizes the carrying value of hedged assets and liabilities that are designated and qualifying in fair value hedging relationships along with the cumulative amount of fair value hedging adjustments included in the carrying value that have been recorded in the current hedging relationships. These fair value hedging adjustments are open basis adjustments that are not subject to amortization as long as the hedging relationship remains designated.

Designated Fair Value Hedged Assets and Liabilities

(Dollars in millions)	**September 30, 2023**		December 31, 2022	
	Carrying Value	**Cumulative Fair Value Adjustments (1)**	Carrying Value	Cumulative Fair Value Adjustments (1)
Long-term debt (2)	**$ 194,138**	**$ (14,154)**	$ 187,402	$ (21,372)
Available-for-sale debt securities (2, 3, 4)	86,730	**(6,262)**	167,518	(18,190)

Trading account assets (5) 7,452 205 16,119 146

Designated Fair Value Hedged Assets and Liabilities

(Dollars in millions)	March 31, 2024 Carrying Value	March 31, 2024 Cumulative Fair Value Adjustments (1)	December 31, 2023 Carrying Value	December 31, 2023 Cumulative Fair Value Adjustments (1)
Long-term debt (2)	**$ 197,036**	**$ (8,615)**	$ 203,986	$ (5,767)
Available-for-sale debt securities (2, 3, 4)	181,553	**(4,598)**	134,077	(1,793)
Trading account assets (5)	**5,303**	**397**	7,475	414

(1) Increase (decrease) to carrying value.

(2) At September 30, 2023 and December 31, 2022, the The cumulative fair value adjustments remaining on long-term debt and available-for-sale debt securities from discontinued hedging relationships resulted in a decrease of $10.7 billion and an increase of $137 million $10.5 billion in the related liability at both March 31, 2024 and December 31, 2023, and a decrease in the related asset of $5.3 billion and $5.6 billion at March 31, 2024 and $4.9 billion December 31, 2023, which are being amortized over the remaining contractual life of the de-designated hedged items.

(3) These amounts include the amortized cost of the financial assets in closed portfolios used to designate hedging relationships in which the hedged item is a stated layer that is expected to be remaining at the end of the hedging relationship (i.e. portfolio layer hedging relationship). At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the amortized cost of the closed portfolios used in these hedging relationships was $21.3 billion $37.9 billion and $21.4 billion $39.1 billion, of which $17.3 billion $22.2 billion and $9.2 $22.5 billion were designated in a portfolio layer hedging relationship. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the cumulative adjustment associated with these hedging relationships was a decrease of $741 million $339 million and $451 million an increase of $48 million.

(4) Carrying value represents amortized cost.

(5) Represents hedging activities related to certain commodities inventory.

Cash Flow and Net Investment Hedges

The following table below summarizes certain information related to cash flow hedges and net investment hedges for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. Of the $12.3 billion $8.4 billion after-tax net loss ($16.3 11.2 billion pretax) on derivatives in accumulated OCI at September 30, 2023 March 31, 2024, losses of $4.7 billion $3.9 billion after-tax ($6.2 5.2 billion pretax) related to both open and terminated cash flow hedges are expected to be reclassified into earnings in the next 12 months. These net

losses reclassified into earnings are

expected to primarily decrease net interest income related to the respective hedged items. For open cash flow hedges, the maximum length of time over which forecasted transactions are hedged is approximately ten nine years. For terminated cash flow hedges, the time period over which the forecasted transactions will be recognized in interest income is approximately five years, with the aggregated amount beyond this time period being insignificant.

Gains and Losses on Derivatives Designated as Cash Flow and Net Investment Hedges

Gains and Losses on Derivatives Designated as Cash Flow and Net Investment Hedges

Gains and Losses on Derivatives Designated as Cash Flow and Net Investment Hedges

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions, amounts pretax)	(Dollars in millions, amounts pretax)	2024 Gains (Losses) Recognized in Accumulated OCI on Derivatives	2024 Gains (Losses) in Income Reclassified from Accumulated OCI	2023 Gains (Losses) Recognized in Accumulated OCI on Derivatives	2023 Gains (Losses) in Income Reclassified from Accumulated OCI

(Dollars in millions, amounts pretax)	Gains (Losses) Recognized in Accumulated OCI on Derivatives	Gains (Losses) in Income Reclassified from Accumulated OCI	Gains (Losses) Recognized in Accumulated OCI on Derivatives	Gains (Losses) in Income Reclassified from Accumulated OCI
	Three Months Ended September 30, 2023		Nine Months Ended September 30, 2023	
Cash flow hedges				
Cash flow hedges				
Cash flow hedges				
Interest rate risk on variable-rate portfolios (1)				
Interest rate risk on variable-rate portfolios (1)				
Interest rate risk on variable-rate portfolios (1)	**$ (737)**	**$ (263)**	**$ (1,065)**	**$ (612)**
Price risk on forecasted MBS purchases (1)	**2**	**—**	**6**	**—**
Price risk on certain compensation plans (2)	**(8)**	**7**	**28**	**18**
Total	**$ (743)**	**$ (256)**	**$ (1,031)**	**$ (594)**
Net investment hedges				
Foreign exchange risk (3)	**$ 802**	**$ 133**	**$ 334**	**$ 136**
Foreign exchange risk (3)				
Foreign exchange risk (3)				
	Three Months Ended September 30, 2022		Nine Months Ended September 30, 2022	
Cash flow hedges				
Interest rate risk on variable-rate portfolios (1)	$ (5,045)	$ (110)	$ (14,443)	$ (191)
Price risk on forecasted MBS purchases (1)	—	—	(129)	13
Price risk on certain compensation plans (2)	(13)	5	(107)	24
Total	$ (5,058)	$ (105)	$ (14,679)	$ (154)
Net investment hedges				
Foreign exchange risk (3)	$ 1,541	$ 3	$ 3,339	$ 3

(1) Amounts reclassified from accumulated OCI are recorded in interest income in the Consolidated Statement of Income.

(2) Amounts reclassified from accumulated OCI are recorded in compensation and benefits expense in the Consolidated Statement of Income.

(3) Amounts reclassified from accumulated OCI are recorded in other income in the Consolidated Statement of Income. For the three and nine months ended September 30, 2023, March 31, 2024 and 2023, amounts excluded from effectiveness testing and recognized in market making and similar activities were gains of $36 million $66 million and $145 million. For the same periods in 2022 amounts excluded from effectiveness testing and recognized in market making and similar activities were gains of $38 million and losses of $109 million $33 million.

Other Risk Management Derivatives

Other risk management derivatives are used by the Corporation to reduce certain risk exposures by economically hedging various assets and liabilities. The table below presents gains (losses) on these derivatives for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. These gains (losses) are largely offset by the income or expense recorded on the hedged item.

Gains and Losses on Other Risk Management Derivatives

Gains and Losses on Other Risk Management Derivatives

Gains and Losses on Other Risk Management Derivatives

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions)

(Dollars in millions)

Interest rate risk on mortgage activities (1, 2)

Interest rate risk on mortgage activities (1, 2)

Credit risk on loans (2)

Credit risk on loans (2)

(Dollars in millions)	Three Months Ended September 30		Nine Months Ended September 30	
	2023	2022	**2023**	2022
Interest rate risk on mortgage activities (1, 2)	**$ (54)**	$ (64)	**$ (51)**	$ (321)
Credit risk on loans (2)	**(7)**	(30)	**(47)**	(17)
Interest rate and foreign currency risk on asset and liability management activities (3)	**381**	1,591	**1,040**	7,204

Interest rate and foreign currency risk on asset and liability management activities (3)

Interest rate and foreign currency risk on asset and liability management activities (3)

Price risk on certain compensation plans (4)	Price risk on certain compensation plans (4)	**(199)**	(192)	**184**	(1,283)

Price risk on certain compensation plans (4)

Price risk on certain compensation plans (4)

(1) Includes hedges of interest rate risk on mortgage servicing rights (MSRs) and interest rate lock commitments (IRLCs) to originate mortgage loans that will be held for sale.

(2) Gains (losses) on these derivatives are recorded in other income.

(3) Gains (losses) on these derivatives are recorded in market making and similar activities.

(4) Gains (losses) on these derivatives are recorded in compensation and benefits expense.

Transfers of Financial Assets with Risk Retained through Derivatives

The Corporation enters into certain transactions involving the transfer of financial assets that are accounted for as sales where substantially all of the economic exposure to the transferred financial assets is retained through derivatives (e.g., interest rate and/or credit), but the Corporation does not retain control over the assets transferred. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had transferred $4.3 billion $4.2 billion and $4.8 billion $4.1 billion of non-U.S. government-guaranteed mortgage-backed securities to a third-party trust and retained economic exposure to the transferred assets through derivative contracts. In connection with these transfers, the Corporation received gross cash proceeds of $4.3 billion and $4.9 billion $4.2 billion at the transfer dates. At September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023, the fair value of the transferred securities was $4.2 billion and $4.7 billion $4.1 billion.

Sales and Trading Revenue

The Corporation enters into trading derivatives to facilitate client transactions and to manage risk exposures arising from trading

The following table below, which includes both derivatives and non-derivative cash instruments, identifies the amounts in the respective income statement line items attributable to the Corporation's sales and trading revenue in *Global Markets*, categorized by primary risk, for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. This table includes debit valuation adjustment (DVA) and funding valuation adjustment (FVA) gains (losses). *Global Markets* results in*Note 17 – Business Segment Information* are presented on a fully taxable-equivalent (FTE) basis. The following table below is not presented on an FTE basis.

account assets and liabilities. It is the Corporation's policy to include these derivative instruments in its trading activities, which include derivatives and non-derivative cash instruments. The resulting risk from these derivatives is managed on a portfolio basis as part of the Corporation's *Global Markets* business segment. For more information on sales and trading revenue, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Sales and Trading Revenue

Sales and Trading Revenue

	Market making and similar activities	Net Interest Income	Other (1)	Total	Market making and similar activities	Net Interest Income	Other (1)	Total

Sales and Trading Revenue

	Market making and similar activities

		Market making and similar activities Market making and similar activities								(Dollars in millions)	Net Interest Income	Other (1)	Total
(Dollars in millions)	(Dollars in millions)	Three Months Ended September 30, 2023				Nine Months Ended September 30, 2023					Three Months Ended March 31, 2024		
Interest rate risk	Interest rate risk	$ 815	$ 80	$ 90	$ 985	$ 2,867	$ 218	$ 301	$ 3,386				
Foreign exchange risk	Foreign exchange risk	446	32	17	495	1,355	113	55	1,523				
Equity risk	Equity risk	1,458	(218)	426	1,666	5,116	(1,566)	1,345	4,895				
Credit risk	Credit risk	349	590	93	1,032	1,140	1,865	303	3,308				
Other risk (2)	Other risk (2)	126	(11)	3	118	521	(153)	(8)	360				
Total sales and trading revenue	**Total sales and trading revenue**	$ 3,194	$ 473	$ 629	$ 4,296	$ 10,999	$ 477	$ 1,996	$ 13,472				
		Three Months Ended September 30, 2022				Nine Months Ended September 30, 2022							
		Three Months Ended March 31, 2023 Three Months Ended March 31, 2023 Three Months Ended March 31, 2023											
Interest rate risk	Interest rate risk	$ 372	$ 432	$ 140	$ 944	$ 1,452	$ 1,381	$ 291	$ 3,124				
Foreign exchange risk	Foreign exchange risk	552	13	(54)	511	1,562	(13)	(51)	1,498				
Equity risk	Equity risk	1,532	(399)	416	1,549	4,474	(694)	1,404	5,184				
Credit risk	Credit risk	252	544	114	910	561	1,559	176	2,296				
Other risk (2)	Other risk (2)	165	(62)	17	120	670	(138)	77	609				
Total sales and trading revenue	**Total sales and trading revenue**	$ 2,873	$ 528	$ 633	$ 4,034	$ 8,719	$ 2,095	$ 1,897	$ 12,711				

(1) Represents amounts in investment and brokerage services and other income that are recorded in *Global Markets* and included in the definition of sales and trading revenue. Includes investment and brokerage services revenue of $474 million $494 million and $1.5 billion $529 million for the three and nine months ended September 30, 2023 compared to $444 million March 31, 2024 and $1.5 billion for the same periods in 2022. 2023.

(2) Includes commodity risk.

Credit Derivatives

The Corporation enters into credit derivatives primarily to facilitate client transactions and to manage credit risk exposures. Credit derivatives are classified as investment and non-investment grade based on the credit quality of the underlying referenced obligation. The Corporation considers ratings of BBB- or higher as investment grade. Non-investment grade includes non-rated credit derivative instruments. The Corporation discloses internal categorizations of investment grade and non-investment grade consistent with how risk is managed for these instruments. For more information on credit derivatives, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Credit derivative instruments where the Corporation is the seller of credit protection and their expiration at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 are summarized in the table below.

Credit Derivative Instruments ***Credit Derivative Instruments***

Credit Derivative Instruments

Credit Derivative Instruments

(Dollars in millions)	Less than One Year	One to Three Years	Three to Five Years	Over Five Years	Total
	September 30, 2023				
	Carrying Value				
Credit default swaps:					
Investment grade	$ —	$ 8	$ 69	$ 44	$ 121
Non-investment grade	19	286	778	793	1,876
Total	19	294	847	837	1,997
Total return swaps/options:					
Investment grade	21	118	—	—	139
Non-investment grade	106	199	93	10	408
Total	127	317	93	10	547
Total credit derivatives	$ 146	$ 611	$ 940	$ 847	$ 2,544
Credit-related notes:					
Investment grade	$ —	$ —	$ 1	$ 745	$ 746
Non-investment grade	—	4	6	1,128	1,138
Total credit-related notes	$ —	$ 4	$ 7	$ 1,873	$ 1,884
	Maximum Payout/Notional				
Credit default swaps:					

(Dollars in millions)	Less than One Year	One to Three Years	Three to Five Years	Over Five Years	Total
	March 31, 2024				
	Carrying Value				
Credit default swaps:					
Total return swaps/options:					
Credit-related notes:					
	Maximum Payout/Notional				
Credit default swaps:					

Investment grade	Investment grade	**$ 32,425**	**$ 63,851**	**$ 139,008**	**$ 47,781**	**$ 283,065**
Non-investment grade	Non-investment grade	**15,441**	**32,430**	**41,234**	**14,069**	**103,174**
Total	Total	**47,866**	**96,281**	**180,242**	**61,850**	**386,239**
Total return swaps/options:	Total return swaps/options:					
Investment grade	Investment grade	**25,097**	**12,709**	**1,598**	**105**	**39,509**
Non-investment grade	Non-investment grade	**15,600**	**3,255**	**2,387**	**939**	**22,181**
Total	Total	**40,697**	**15,964**	**3,985**	**1,044**	**61,690**
Total credit derivatives	**Total credit derivatives**	**$ 88,563**	**$ 112,245**	**$ 184,227**	**$ 62,894**	**$ 447,929**

Total return swaps/options:

December 31, 2022

Carrying Value

December 31, 2023

December 31, 2023

December 31, 2023

Carrying Value

Carrying Value

Credit default swaps:	Credit default swaps:					
Investment grade	Investment grade	$ 2	$ 25	$ 133	$ 34	$ 194
Non-investment grade	Non-investment grade	120	516	870	697	2,203
Total	Total	122	541	1,003	731	2,397
Total return swaps/options:	Total return swaps/options:					
Investment grade	Investment grade	55	336	—	—	391
Non-investment grade	Non-investment grade	332	9	132	10	483
Total	Total	387	345	132	10	874
Total credit derivatives	**Total credit derivatives**	$ 509	$ 886	$ 1,135	$ 741	$ 3,271
Credit-related notes:	Credit-related notes:					
Investment grade	Investment grade	$ —	$ —	$ 19	$ 1,017	$ 1,036
Non-investment grade	Non-investment grade	—	7	6	1,035	1,048
Total credit-related notes	**Total credit-related notes**	$ —	$ 7	$ 25	$ 2,052	$ 2,084

Investment grade

Investment grade

Total return swaps/options:

Credit-related notes:

Maximum Payout/Notional

Maximum Payout/Notional

Credit default swaps:	Credit default swaps:					
Investment grade	Investment grade	$ 34,670	$ 66,170	$ 93,237	$ 18,677	$ 212,754

Investment grade

Investment grade

Non-investment grade	Non-investment grade	15,229	29,629	30,891	6,662	82,411
Total	Total	49,899	95,799	124,128	25,339	295,165
Total return swaps/options:	Total return swaps/options:					
Investment grade	Investment grade	38,722	10,407	—	—	49,129
Non-investment grade	Non-investment grade	32,764	500	2,054	897	36,215
Total	Total	71,486	10,907	2,054	897	85,344
Total credit derivatives	**Total credit derivatives**	$121,385	$106,706	$126,182	$26,236	$380,509

Total return swaps/options:

The notional amount represents the maximum amount payable by the Corporation for most credit derivatives. However, the Corporation does not monitor its exposure to credit derivatives based solely on the notional amount because this measure does not take into consideration the probability of occurrence. As such, the notional amount is not a reliable indicator of the Corporation's exposure to these contracts. Instead, a risk framework is used to define risk tolerances and establish limits so that certain credit risk-related losses occur within acceptable, predefined limits.

Credit-related notes in the table above include investments in securities issued by collateralized debt obligation (CDO), collateralized loan obligation (CLO) and credit-linked note vehicles. These instruments are primarily classified as trading securities. The carrying value of these instruments equals the Corporation's maximum exposure to loss. The Corporation is not obligated to make any payments to the entities under the terms of the securities owned.

Credit-related Contingent Features and Collateral

Certain of the Corporation's derivative contracts contain credit risk-related contingent features, primarily in the form of ISDA master netting agreements and credit support documentation that enhance the creditworthiness of these instruments compared to other obligations of the respective counterparty with whom the Corporation has transacted. These contingent features may be for the benefit of the Corporation as well as its counterparties with respect to changes in the Corporation's creditworthiness and the mark-to-market exposure under the derivative transactions. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation held cash and securities collateral of $104.6 billion $105.1 billion and $101.3 billion $104.1 billion and posted cash and securities collateral of $84.1 billion $89.7 billion and $81.2 billion $93.4 billion in the normal course of business under derivative agreements, excluding cross-product margining agreements where clients are permitted to margin on a net basis for both derivative and secured financing arrangements.

In connection with certain OTC derivative contracts and other trading agreements, the Corporation can be required to provide additional collateral or to terminate transactions with certain counterparties in the event of a downgrade of the senior debt ratings of the Corporation or certain subsidiaries. The amount of additional collateral required depends on the contract and is usually a fixed incremental amount and/or the market value of the exposure. For more information on credit-related contingent features and collateral, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

At September 30, 2023 March 31, 2024, the amount of collateral, calculated based on the terms of the contracts, that the Corporation and certain subsidiaries could be required to post to counterparties but had not yet posted to counterparties was $2.9 billion $3.1 billion, including $1.5 billion $1.6 billion for Bank of America, National Association (BANA). Association.

Some counterparties are currently able to unilaterally terminate certain contracts, or the Corporation or certain subsidiaries may be required to take other action such as find a suitable replacement or obtain a guarantee. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the liability recorded for these derivative contracts was not significant.

The following table presents the amount of additional collateral that would have been contractually required by derivative contracts and other trading agreements at September 30, 2023 March 31, 2024 if the rating agencies had downgraded their long-term their long-term senior debt ratings for the Corporation or certain subsidiaries by one incremental notch and by an additional second incremental notch. The table also presents derivative liabilities that would be subject to unilateral termination by counterparties upon downgrade of the Corporation's or certain subsidiaries' long-term senior debt ratings.

Additional Collateral Required to be Posted and Derivative Liabilities Subject to Unilateral Termination Upon Downgrade at September 30, 2023

Additional Collateral Required to be Posted and Derivative Liabilities Subject to Unilateral Termination Upon Downgrade at March 31, 2024

Additional Collateral Required to be Posted and Derivative Liabilities Subject to Unilateral Termination Upon Downgrade at March 31, 2024

Additional Collateral Required to be Posted and Derivative Liabilities Subject to Unilateral Termination Upon Downgrade at March 31, 2024

(Dollars in millions)	(Dollars in millions)	**One Incremental Notch**	**Second Incremental Notch**
(Dollars in millions)			

(Dollars in millions)	**One Incremental Notch**	**Second Incremental Notch**
Additional	**Additional**	

Additional collateral required to be posted upon downgrade	Additional collateral required to be posted upon downgrade		
Bank of America Corporation			
Bank of America Corporation			
Bank of America Corporation	Bank of America Corporation	$ 174	$ 951
Bank of America, N.A. and subsidiaries (1)	Bank of America, N.A. and subsidiaries (1)	82	793
Derivative liabilities subject to unilateral termination upon downgrade	**Derivative liabilities subject to unilateral termination upon downgrade**		
Derivative liabilities subject to unilateral termination upon downgrade			
Derivative liabilities subject to unilateral termination upon downgrade			
Derivative liabilities			
Derivative liabilities			
Derivative liabilities	Derivative liabilities	$ 57	$ 477
Collateral posted	Collateral posted	56	312

(1) Included in Bank of America Corporation collateral requirements in this table.

Valuation Adjustments on Derivatives

The table below presents credit valuation adjustment (CVA), DVA and FVA gains (losses) on derivatives (excluding the effect of any related hedge activities), which are recorded in market making and similar activities, for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023. For more information on the valuation adjustments on derivatives, see *Note 3 – Derivatives* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Valuation Adjustments Gains (Losses) on Derivatives *(1)*

Valuation Adjustments Gains (Losses) on Derivatives *(1)*

Three Months Ended September 30

Valuation Adjustments Gains (Losses) on Derivatives *(1)*

Three Months Ended March 31

		Three Months Ended March 31	
		Three Months Ended March 31	
(Dollars in millions)			
(Dollars in millions)			
(Dollars in millions)	(Dollars in millions)	**2023**	2022
Derivative assets (CVA)	Derivative assets (CVA)	**$ 30**	$ (44)
Derivative assets (CVA)			
Derivative assets (CVA)			
Derivative assets/liabilities (FVA)	Derivative assets/liabilities (FVA)	**21**	67
Derivative assets/liabilities (FVA)			
Derivative assets/liabilities (FVA)			
Derivative liabilities (DVA)			
Derivative liabilities (DVA)			
Derivative liabilities (DVA)	Derivative liabilities (DVA)	**18**	103

	Nine Months Ended September 30	
(Dollars in millions)	**2023**	2022
Derivative assets (CVA)	**$ 151**	$ (217)
Derivative assets/liabilities (FVA)	**4**	147
Derivative liabilities (DVA)	**(66)**	444

(1) At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, cumulative CVA reduced the derivative assets balance by $367 million $297 million and $518 million $359 million, cumulative FVA reduced the net derivative balance by $50 million $73 million and $54 million $87 million, and cumulative DVA reduced the derivative liabilities balance by $440 million $230 million and $506 million $299 million.

NOTE 4 Securities

The table below presents the amortized cost, gross unrealized gains and losses, and fair value of available-for-sale (AFS) debt securities, other debt securities carried at fair value and held-to-maturity (HTM) debt securities at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Debt Securities	***Debt Securities***								
Debt Securities									
Debt Securities									
		Amortized Cost							
		Amortized Cost	**Gross Unrealized Gains**	**Gross Unrealized Losses**	**Fair Value**	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
		Amortized Cost							

(Dollars in millions)	(Dollars in millions)	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
		September 30, 2023				December 31, 2022			
(Dollars in millions)		March 31, 2024				December 31, 2023			
Available-for-sale debt securities	**Available-for-sale debt securities**								
Mortgage-backed securities:	Mortgage-backed securities:								
Mortgage-backed securities:									
Mortgage-backed securities:									
Agency									
Agency									
Agency	Agency	**$ 22,435**	**$ —**	**$ (1,931)**	**$ 20,504**	$ 25,204	$ 5	$ (1,767)	$ 23,442
Agency-collateralized mortgage obligations	Agency-collateralized mortgage obligations	**1,964**	**—**	**(266)**	**1,698**	2,452	—	(231)	2,221
Commercial	Commercial	**7,309**	**14**	**(582)**	**6,741**	6,894	28	(515)	6,407
Non-agency residential (1)	Non-agency residential (1)	**452**	**3**	**(68)**	**387**	461	15	(90)	386
Total mortgage-backed securities	Total mortgage-backed securities	**32,160**	**17**	**(2,847)**	**29,330**	35,011	48	(2,603)	32,456
U.S. Treasury and government agencies	U.S. Treasury and government agencies	**104,828**	**6**	**(1,198)**	**103,636**	160,773	18	(1,769)	159,022
Non-U.S. securities	Non-U.S. securities	**18,901**	**18**	**(47)**	**18,872**	13,455	4	(52)	13,407
Other taxable securities	Other taxable securities	**3,271**	**1**	**(93)**	**3,179**	4,728	1	(84)	4,645
Other taxable securities									
Other taxable securities									
Tax-exempt securities									
Tax-exempt securities									
Tax-exempt securities	Tax-exempt securities	**10,965**	**—**	**(372)**	**10,593**	11,518	19	(279)	11,258
Total available-for-sale debt securities	**Total available-for-sale debt securities**	**170,125**	**42**	**(4,557)**	**165,610**	225,485	90	(4,787)	220,788
Other debt securities carried at fair value (2)	**Other debt securities carried at fair value (2)**	**9,933**	**56**	**(59)**	**9,930**	8,986	376	(156)	9,206
Total debt securities carried at fair value	**Total debt securities carried at fair value**	**180,058**	**98**	**(4,616)**	**175,540**	234,471	466	(4,943)	229,994
Held-to-maturity debt securities	**Held-to-maturity debt securities**								
Agency mortgage-backed securities									
Agency mortgage-backed securities									

Agency mortgage-backed securities	Agency mortgage-backed securities	**474,100**	**—**	**(106,890)**	**367,210**	503,233	—	(87,319)	415,914
U.S. Treasury and government agencies	U.S. Treasury and government agencies	**121,633**	**—**	**(23,351)**	**98,282**	121,597	—	(20,259)	101,338
U.S. Treasury and government agencies									
U.S. Treasury and government agencies									
Other taxable securities	Other taxable securities	**7,632**	**—**	**(1,363)**	**6,269**	8,033	—	(1,018)	7,015
Other taxable securities									
Other taxable securities									
Total held-to-maturity debt securities									
Total held-to-maturity debt securities									
Total held-to-maturity debt securities	**Total held-to-maturity debt securities**	**603,365**	**—**	**(131,604)**	**471,761**	632,863	—	(108,596)	524,267
Total debt securities (3,4)	**Total debt securities (3,4)**	**$ 783,423**	**$ 98**	**$(136,220)**	**$ 647,301**	$ 867,334	$ 466	$(113,539)	$ 754,261

(1) At both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the underlying collateral type included approximately 24 percent and 17 percent prime and 76 percent and 83 percent subprime.

(2) Primarily includes non-U.S. securities used to satisfy certain international regulatory requirements. Any changes in value are reported in market making and similar activities. For detail on the components, see *Note 14 – Fair Value Measurements*.

(3) Includes securities pledged as collateral of $141.0 billion $188.3 billion and $104.5 billion $204.9 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(4) The Corporation held debt securities from Fannie Mae (FNMA) and Freddie Mac (FHLMC) that each exceeded 10 percent of shareholders' equity, with an amortized cost of $273.7 billion $268.0 billion and $167.8 billion $169.0 billion, and a fair value of $211.5 billion $216.4 billion and $129.0 billion $136.6 billion at September 30, 2023 March 31, 2024, and an amortized cost of $290.5 billion $272.5 billion and $176.7 billion $171.5 billion, and a fair value of $239.6 billion $226.4 billion and $144.6 billion $142.3 billion at December 31, 2022 December 31, 2023.

At September 30, 2023 March 31, 2024, the accumulated net unrealized loss on AFS debt securities, excluding the amount related to debt securities previously transferred to held to maturity, included in accumulated OCI was $3.4 billion $2.5 billion, net of the related income tax benefit of $1.1 billion $836 million. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, nonperforming AFS debt securities held by the Corporation were not significant.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, $738.2 billion $866.7 billion and $826.5 billion $824.9 billion of AFS and HTM debt securities, which were predominantly U.S. agency and U.S. Treasury securities, have a zero credit loss assumption. For the same periods, the ECL expected credit losses on the remaining $35.3 billion $36.6 billion and $31.8 billion $40.2 billion of AFS and HTM debt securities were insignificant. For more information on the zero credit loss assumption, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation held equity securities at an aggregate fair value of $270 million $250 million and $581 million $251 million and other equity securities, as valued under the measurement alternative, at a carrying value of $373 million $390 million and $340 million $377 million, both of which are included in

other assets. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation also held money market investments at a fair value of $1.1 billion $1.5 billion and $868 million $1.2 billion, which are included in time deposits placed and other short-term investments.

The gross realized gains and losses on sales of AFS debt securities for the three and nine months ended September 30, 2023 March 31, 2024 and 2022 2023 are presented in the table below.

Gains and Losses on Sales of AFS Debt Securities

Gains and Losses on Sales of AFS Debt Securities

Securities

Gains and Losses on Sales of AFS Debt Securities	Three Months Ended September 30		Nine Months Ended September 30	
(Dollars in millions)	**2023**	**2022**	**2023**	**2022**
Gross gains	**$ —**	$ 540	**$ 104**	$ 1,243
Gross losses	**—**	(526)	**(508)**	(1,206)
Net gains (losses) on sales of AFS debt securities	**$ —**	$ 14	**$ (404)**	$ 37
Income tax expense (benefit) attributable to realized net gains (losses) on sales of AFS debt securities	**$ —**	$ 4	**$ (101)**	$ 9

Three Months Ended September 30
Three Months Ended March 31
Nine Months Ended September 30
Three Months Ended March 31
Three Months Ended March 31
(Dollars in millions)
(Dollars in millions)
(Dollars in millions)
Gross gains
Gross gains
Gross gains
Gross losses
Gross losses
Gross losses
Net gains (losses) on sales of AFS debt securities
Net gains (losses) on sales of AFS debt securities
Net gains (losses) on sales of AFS debt securities
Income tax expense (benefit) attributable to realized net gains (losses) on sales of AFS debt securities
Income tax expense (benefit) attributable to realized net gains (losses) on sales of AFS debt securities
Income tax expense (benefit) attributable to realized net gains

(losses) on sales of AFS debt securities

The table below presents the fair value and the associated gross unrealized losses on AFS debt securities and whether these securities have had gross unrealized losses for less than 12 months or for 12 months or longer at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Total AFS Debt Securities in a Continuous Unrealized Loss Position

Total AFS Debt Securities in a Continuous Unrealized Loss Position

Total AFS Debt Securities in a Continuous Unrealized Loss Position

Total AFS Debt Securities in a Continuous Unrealized Loss Position

(Dollars in millions)	Less than Twelve Months		Twelve Months or Longer		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	September 30, 2023					
Continuously unrealized loss-positioned AFS debt securities						
Mortgage-backed securities:						
Agency	$ 469	$ (17)	$ 20,002	$ (1,914)	$ 20,471	$ (1,931)
Agency-collateralized mortgage obligations	2	—	1,696	(266)	1,698	(266)
Commercial	1,527	(34)	4,467	(548)	5,994	(582)
Non-agency residential	—	—	376	(68)	376	(68)

(Dollars in millions)	Less than Twelve Months		Twelve Months or Longer		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	March 31, 2024					
Mortgage-backed securities:						

Total mortgage-backed securities	1,998	(51)	26,541	(2,796)	28,539	(2,847)
U.S. Treasury and government agencies	151	(5)	66,979	(1,193)	67,130	(1,198)
Non-U.S. securities	8,388	(24)	1,878	(23)	10,266	(47)
Other taxable securities	1,883	(13)	1,244	(80)	3,127	(93)
Tax-exempt securities	1,738	(43)	2,712	(329)	4,450	(372)
Total AFS debt securities in a continuous unrealized loss position	**$ 14,158**	**$ (136)**	**$ 99,354**	**$ (4,421)**	**$ 113,512**	**$ (4,557)**

Other taxable securities
Other taxable securities
Tax-exempt securities
Tax-exempt securities

December 31, 2022

Total AFS debt securities in a continuous unrealized loss position
Total AFS debt securities in a continuous unrealized loss position

December 31, 2023

December 31, 2023
December 31, 2023

Continuously unrealized loss-positioned AFS debt securities						
Mortgage-backed securities:						
Agency	$ 18,759	$ (1,118)	$ 4,437	$ (649)	$ 23,196	$ (1,767)
Agency-collateralized mortgage obligations	1,165	(96)	1,022	(135)	2,187	(231)
Commercial	3,273	(150)	2,258	(365)	5,531	(515)
Non-agency residential	264	(65)	97	(25)	361	(90)

Mortgage-backed securities:
Mortgage-backed securities:
Agency
Agency

Total mortgage-backed securities	Total mortgage-backed securities	23,461	(1,429)	7,814	(1,174)	31,275	(2,603)
U.S. Treasury and government agencies	U.S. Treasury and government agencies	36,730	(308)	118,636	(1,461)	155,366	(1,769)
Non-U.S. securities	Non-U.S. securities	9,399	(34)	756	(18)	10,155	(52)
Other taxable securities	Other taxable securities	2,036	(16)	1,580	(68)	3,616	(84)
Other taxable securities							
Other taxable securities							
Tax-exempt securities							
Tax-exempt securities							
Tax-exempt securities	Tax-exempt securities	607	(28)	2,849	(251)	3,456	(279)
Total AFS debt securities in a continuous unrealized loss position	**Total AFS debt securities in a continuous unrealized loss position**	$ 72,233	$ (1,815)	$ 131,635	$ (2,972)	$ 203,868	$ (4,787)
Total AFS debt securities in a continuous unrealized loss position							
Total AFS debt securities in a continuous unrealized loss position							

The remaining contractual maturity distribution and yields of the Corporation's debt securities carried at fair value and HTM debt securities at September 30, 2023 March 31, 2024 are summarized in the table below. Actual duration and yields may differ as prepayments on the loans underlying the mortgage-backed securities (MBS) or other asset-backed securities (ABS) are passed through to the Corporation.

Maturities c Fair Value a Securities

Maturities of Debt Securities Carried at Fair Value and Held-to-maturity Debt Securities

Maturities of Debt Securities Carried at Fair Value and Held-to-maturity Debt Securities

	Due in One Year or Less	Due after One Year through Five Years	Due after Five Years through Ten Years	Due after Ten Years	Total
	Due in One Year or Less				
	Due in One Year or Less				

(Dollars in millions)	(Dollars in millions)	Due in One Year or Less Amount	Yield (1)	Amount	Yield (1)	Amount	Yield (1)	Amount	Yield (1)	Amount	Yield (1)
Amortized cost of debt securities carried at fair value	**Amortized cost of debt securities carried at fair value**										
Mortgage-backed securities:	Mortgage-backed securities:										
Agency	Agency	$ —	— %	$ 4	3.75 %	$ 31	5.35 %	$ 22,400	3.53 %	$ 22,435	3.53 %
Agency-collateralized mortgage obligations	Agency-collateralized mortgage obligations	—	—	—	—	—	—	1,964	2.79	1,964	2.79
Commercial	Commercial	—	—	1,129	3.06	4,619	2.59	1,574	2.45	7,322	2.63
Non-agency residential	Non-agency residential	—	—	—	—	—	—	735	10.18	735	10.18
Total mortgage-backed securities	Total mortgage-backed securities	—	—	1,133	3.07	4,650	2.61	26,673	3.60	32,456	3.44
U.S. Treasury and government agencies	U.S. Treasury and government agencies	37,773	5.23	45,637	3.05	22,437	2.33	39	3.89	105,886	3.67
Non-U.S. securities	Non-U.S. securities	17,748	2.04	5,850	1.17	3,203	5.40	678	5.26	27,479	2.33
Other taxable securities	Other taxable securities	409	5.60	2,355	6.08	294	3.00	213	3.60	3,271	5.59
Other taxable securities											
Other taxable securities											
Tax-exempt securities											
Tax-exempt securities											
Tax-exempt securities	Tax-exempt securities	1,234	4.13	3,801	3.64	1,997	3.85	3,934	4.23	10,966	3.95
Total amortized cost of debt securities carried at fair value	**Total amortized cost of debt securities carried at fair value**	**$57,164**	**4.22**	**$58,776**	**3.02**	**$ 32,581**	**2.77**	**$ 31,537**	**3.71**	**$180,058**	**3.48**
Amortized cost of HTM debt securities	**Amortized cost of HTM debt securities**										
Agency mortgage-backed securities	Agency mortgage-backed securities	$ —	— %	$ —	— %	$ 12	2.75 %	$474,088	2.12 %	$474,100	2.12 %
Agency mortgage-backed securities											
Agency mortgage-backed securities											
U.S. Treasury and government agencies											
U.S. Treasury and government agencies											
U.S. Treasury and government agencies											
Other taxable securities											
Other taxable securities											
Other taxable securities											
Total amortized cost of HTM debt securities											

(Dollars in millions)	Amount	Yield (1)	Due after One Year through Five Years Amount	Yield (1)	Due after Five Years through Ten Years Amount	Yield (1)	Due after Ten Years Amount	Tota Yield
Amortized cost of debt securities carried at fair value								
Mortgage-backed securities:								
Agency	$ —	— — %	$ 4	4.00 4.00 %	$8	3.13 3.13 %	$37,959	4.70
Agency mortgage-backed securities	$ —	— %	$ —	— %	$ 11	2.73 %	$457,830	2.16

Total amortized cost of HTM debt securities

Total amortized cost of HTM debt securities

Debt securities carried at fair value

Debt securities carried at fair value

Debt securities carried at fair value

Mortgage-backed securities:				
Agency	$ —	$ 4	$ 7	$ 36,501
Agency-collateralized mortgage obligations	—	—	—	2,450
Commercial	32	1,899	7,291	1,364
Non-agency residential	—	2	—	559
Total mortgage-backed securities				
U.S. Treasury and government agencies				
U.S. Treasury and government agencies				
U.S. Treasury and government agencies				
Non-U.S. securities				
Non-U.S. securities				
Non-U.S. securities	18,136	6,089	3,750	1,149
Other taxable securities				
Other taxable securities				
Other taxable securities	730	2,222	222	68
Tax-exempt securities				
Tax-exempt securities				
Tax-exempt securities	1,065	3,847	971	4,027
Total debt securities carried at fair value	**$102,257**	**$148,965**	**$25,743**	**$ 46,154**

Fair value of HTM debt securities

Agency mortgage-backed securities

Agency mortgage-backed securities

Agency mortgage-backed securities

U.S. Treasury and government agencies

U.S. Treasury and government agencies

U.S. Treasury and government agencies	—	—	4,558	1.80	117,075	1.37	—	—	121,633	1.39
Other taxable securities	42	5.82	1,262	2.50	272	3.29	6,056	2.49	7,632	2.54
Total amortized cost of HTM debt securities	**$ 42**	**5.82**	**$ 5,820**	**1.95**	**$117,359**	**1.37**	**$480,144**	**2.12**	**$603,365**	**1.97**

Debt securities carried at fair value

Mortgage-backed securities:

Agency	$ —	$ 4	$ 31	$ 20,469	$ 20,504
Agency-collateralized mortgage obligations	—	—	—	1,698	1,698
Commercial	1	1,092	4,354	1,305	6,752
Non-agency residential	—	2	—	668	670
Total mortgage-backed securities	1	1,098	4,385	24,140	29,624
U.S. Treasury and government agencies	37,776	44,973	21,910	35	104,694
Non-U.S. securities	17,737	5,834	3,199	678	27,448
Other taxable securities Other taxable securities	407	2,330	248	198	3,183
Tax-exempt securities	1,229	3,725	1,942	3,695	10,591
Total debt securities carried at fair value	**$57,150**	**$57,960**	**$ 31,684**	**$ 28,746**	**$175,540**
Fair value of HTM debt securities					
Agency mortgage-backed securities	$ —	$ —	$ 10	$367,200	$367,210
U.S. Treasury and government agencies	—	4,153	94,129	—	98,282
Other taxable securities Other taxable securities	42	1,169	210	4,848	6,269
Total fair value of HTM debt securities Total fair value of HTM debt securities	**$ 42**	**$ 5,322**	**$ 94,349**	**$372,048**	**$471,761**
Total fair value of HTM debt securities					
Total fair value of HTM debt securities					

(1) The weighted-average yield is computed based on a constant effective interest rate yield over the contractual life of each security. The average yield considers the contractual coupon and the amortization of premiums and accretion of discounts, excluding the effect of related hedging derivatives.

NOTE 5 Outstanding Loans and Leases and Allowance for Credit Losses

The following tables present total outstanding loans and leases and an aging analysis for the Consumer Real Estate, Credit Card and Other Consumer, and Commercial portfolio segments, by class of financing receivables, at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

30-59 Days Past Due (1)

	30-59 Days Past Due (1)	60-89 Days Past Due (1)	90 Days or More Past Due (1)	Total Past Due 30 Days or More	Total Current or Less Than 30 Days Past Due (1)	Loans Accounted for Under the Fair Value Option	Total Outstandings

30-59 Days Past Due (1)

		30-59 Days Past Due (1)	60-89 Days Past Due (1)	90 Days or More Past Due (1)	Total Past Due 30 Days or More	Total Current or Less Than 30 Days Past Due (1)	Loans Accounted for Under the Fair Value Option	Total Outstanding
(Dollars in millions)	(Dollars in millions)	September 30, 2023						
(Dollars in millions)		March 31, 2024						
Consumer real estate	**Consumer real estate**							
Consumer real estate								
Residential mortgage	Residential mortgage	$1,143	$ 278	$ 874	$2,295	$ 226,871		$ 229,166
Residential mortgage								
Residential mortgage								
Home equity	Home equity	88	42	171	301	25,191		25,492
Credit card and other consumer	**Credit card and other consumer**							
Credit card	Credit card	626	455	1,016	2,097	97,590		99,687
Credit card								
Credit card								
Direct/Indirect consumer (2)								
Direct/Indirect consumer (2)								
Direct/Indirect consumer (2)	Direct/Indirect consumer (2)	267	85	75	427	103,632		104,059
Other consumer	Other consumer	—	—	—	—	122		122
Total consumer	Total consumer	2,124	860	2,136	5,120	453,406		458,526
Consumer loans accounted for under the fair value option (3)	Consumer loans accounted for under the fair value option (3)						$ 253	253
Total consumer loans and leases	**Total consumer loans and leases**	2,124	860	2,136	5,120	453,406	253	458,779
Commercial	**Commercial**							
U.S. commercial	U.S. commercial	312	345	187	844	355,486		356,330
U.S. commercial								
U.S. commercial								
Non-U.S. commercial	Non-U.S. commercial	27	16	65	108	123,605		123,713
Commercial real estate (4)	Commercial real estate (4)	96	258	341	695	72,498		73,193
Commercial lease financing	Commercial lease financing	15	12	16	43	13,861		13,904
U.S. small business commercial (5)		134	76	186	396	18,837		19,233
U.S. small business commercial								
Total commercial	Total commercial	584	707	795	2,086	584,287		586,373

		30-59 Days Past Due (1)	60-89 Days Past Due (1)	90 Days or More Past Due (1)	Total Past Due 30 Days or More	Total Current or Less Than 30 Days Past Due (1)	Loans Accounted for Under the Fair Value Option	Total Outstandings
Commercial loans accounted for under the fair value option (3)	Commercial loans accounted for under the fair value option (3)						3,997	3,997
Total commercial loans and leases	**Total commercial loans and leases**	**584**	**707**	**795**	**2,086**	**584,287**	**3,997**	**590,370**
Total loans and leases (6)		**$2,708**	**$1,567**	**$2,931**	**$7,206**	**$1,037,693**	**$ 4,250**	**$1,049,149**
Total loans and leases (5)								
Percentage of outstandings	**Percentage of outstandings**	**0.26 %**	**0.15 %**	**0.28 %**	**0.69 %**	**98.91 %**	**0.40 %**	**100.00 %**
Percentage of outstandings		**0.32 %** **0.13 %**	**0.33 %**	**0.78 %**		**98.94 %**	**0.28 %**	**100.00 %**

(1) Consumer real estate loans 30-59 days past due includes fully-insured loans of $187 million $175 million and nonperforming loans of $167 million. Consumer real estate loans 60-89 days past due includes fully-insured loans of $70 million $72 million and nonperforming loans of $108 million $103 million. Consumer real estate loans 90 days or more past due includes fully-insured loans of $266 million $230 million and nonperforming loans of $779 million $676 million. Consumer real estate loans current or less than 30 days past due includes $1.6 billion, and direct/indirect consumer includes $37 million $46 million of nonperforming loans.

(2) Total outstandings primarily includes auto and specialty lending loans and leases of $54.0 billion $54.1 billion, U.S. securities-based lending loans of $46.5 billion $45.3 billion and non-U.S. consumer loans of $2.8 billion $2.7 billion.

(3) Consumer loans accounted for under the fair value option includes residential mortgage loans of $67 million $62 million and home equity loans of $186 million $173 million. Commercial loans accounted for under the fair value option includes U.S. commercial loans of $2.5 billion $1.7 billion and non-U.S. commercial loans of $1.5 billion $965 million. For more information, see *Note 14 – Fair Value Measurements* and *Note 15 – Fair Value Option*.

(4) Total outstandings includes U.S. commercial real estate loans of $67.3 billion $65.5 billion and non-U.S. commercial real estate loans of $5.9 billion $6.2 billion.

(5) Includes Paycheck Protection Program loans.

(6) Total outstandings includes loans and leases pledged as collateral of $40.3 billion $32.8 billion. The Corporation also pledged $227.7 billion $226.5 billion of loans with no related outstanding borrowings to secure potential borrowing capacity with the Federal Reserve Bank and Federal Home Loan Bank.

30-59 Days Past Due (1) | 60-89 Days Past Due (1) | 90 Days or More Past Due (1) | Total Past Due 30 Days or More | Total Current or

(Dollars in millions)	30-59 Days Past Due (1)	60-89 Days Past Due (1)	90 Days or More Past Due (1)	Total Past Due 30 Days or More	Total Current or Less Than 30 Days Past Due (1)	Loans Accounted for Under the Fair Value Option
	December 31, 2022 2023					
Consumer real estate						
Residential mortgage	$ 1,077 1,177	$ 245 302	$ 945 829	$ 2,267 2,308	$ 227,403 226,095	
Home equity	88 90	32 38	211 161	331 289	26,232 25,238	
Credit card and other consumer						
Credit card	466 680	322 515	717 1,224	1,505 2,419	91,916 99,781	
Direct/Indirect consumer (2)	204 306	59 99	45 91	308 496	105,928 102,972	
Other consumer	—	—	—	—	156 124	
Total consumer	1,835 2,253	658 954	1,918 2,305	4,411 5,512	451,635 454,210	
Consumer loans accounted for under the fair value option (3)						$ 339 243
Total consumer loans and leases	1,835 2,253	658 954	1,918 2,305	4,411 5,512	451,635 454,210	339 243
Commercial						
U.S. commercial	827 477	288 96	330 225	1,445 798	357,036 358,133	
Non-U.S. commercial	317 86	59 21	144 64	520 171	123,959 124,410	
Commercial real estate (4)	409 247	81 133	77 505	567 885	69,199 71,993	

Commercial lease financing	49 44	9 8	11 24	69 76	13,575 14,778	
U.S. small business commercial (5)	107 166	63 89	356 184	526 439	17,034 18,758	
Total commercial	1,709 1,020	500 347	918 1,002	3,127 2,369	580,803 588,072	
Commercial loans accounted for under the fair value option (3)						5,432 3,326
Total commercial loans and leases	1,709 1,020	500 347	918 1,002	3,127 2,369	580,803 588,072	5,432 3,326
Total loans and leases (6) (5)	$ 3,544 3,273	$ 1,158 1,301	$ 2,836 3,307	$ 7,538 7,881	$ 1,032,438 1,042,282	$ 5,771 3,569
Percentage of outstandings	0.31 %	0.12 %	0.31 %	0.75 %	98.91 %	0.34

(1) Consumer real estate loans 30-59 days past due includes fully-insured loans of $184 million $198 million and nonperforming loans of $155 million $150 million. Consumer real estate loans 60-89 days past due includes fully-insured loans of $75 million $77 million more past due includes fully-insured loans of $368 million $252 million and nonperforming loans of $788 million $738 million. Consumer real estate loans current or less than 30 days past due includes $1.6 billion, and direct/indirect consumer includes $27 million $3

(2) Total outstandings primarily includes auto and specialty lending loans and leases of $51.8 billion $53.9 billion, U.S. securities-based lending loans of $50.4 billion $46.0 billion and non-U.S. consumer loans of $3.0 billion $2.8 billion.

(3) Consumer loans accounted for under the fair value option includes residential mortgage loans of $71 million $66 million and home equity loans of $268 million $177 million. Commercial loans accounted for under the fair value option includes U.S. commercial loan information, see *Note 14 – Fair Value Measurements* and *Note 15 – Fair Value Option*.

(4) Total outstandings includes U.S. commercial real estate loans of $64.9 billion $66.8 billion and non-U.S. commercial real estate loans of $4.8 billion $6.1 billion.

(5) Includes Paycheck Protection Program loans.

(6) Total outstandings includes loans and leases pledged as collateral of $18.5 billion $33.7 billion. The Corporation also pledged $163.6 billion $246.0 billion of loans with no related outstanding borrowings to secure potential borrowing capacity with the Federal Reserv

The Corporation has entered into long-term credit protection agreements with FNMA and FHLMC on loans totaling $8.9 billion $8.5 billion and $9.5 billion $8.7 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, providing full credit protection on residential mortgage loans that become severely delinquent. All of these loans are individually insured, and therefore the Corporation does not record an allowance for credit losses related to these loans.

Nonperforming Loans and Leases

Commercial nonperforming loans increased to $2.0 billion $3.2 billion at September 30, 2023 March 31, 2024 from $1.1 billion $2.8 billion at December 31, 2022, December 31, 2023 driven primarily by the commercial real estate office property type. Consumer nonperforming loans remained relatively unchanged Consumer nonperforming loans were $2.8 billion at both March 31, 2024.

The following table presents the Corporation's non 90 days or more at September 30, 2023 March 31, 2024 LHFS loans held-for-sale (LHFS) are excluded from nor fair value or the lower of cost or fair value. For more in see *Note 1 – Summary of Significant Accounting P* Corporation's 2022 2023 Annual Report on Form 10-K.

Credit Quality ***Credit Quality***

Credit Quality

Credit Quality

(Dollars in millions)	Nonperforming Loans and Leases September 30 2023	Nonperforming Loans and Leases December 31 2022	Accruing Past Due 90 Days or More September 30 2023	Accruing Past Due 90 Days or More December 31 2022
Residential mortgage (1)	**$ 2,185**	$ 2,167	**$ 265**	$ 368
With no related allowance (2)	**1,987**	1,973	**—**	—

Nonperforming Loans and Leases

Nonperforming Loans and Leases

Nonperforming Loans and Leases

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)

Residential mortgage (1)

Residential mortgage (1)

Residential mortgage (1)

With no related allowance (2)

With no related allowance (2)

With no related allowance (2)

Home equity (1)	Home equity (1)	**479**	510	**—**	—
Home equity (1)					
Home equity (1)					
With no related allowance (2)					
With no related allowance (2)					
With no related allowance (2)	With no related allowance (2)	**393**	393	**—**	—
Credit Card	Credit Card	**n/a**	n/a	**1,016**	717
Credit Card					
Credit Card					
Direct/indirect consumer					
Direct/indirect consumer					
Direct/indirect consumer	Direct/indirect consumer	**128**	77	**1**	2
Total consumer	**Total consumer**	**2,792**	2,754	**1,282**	1,087
Total consumer					
Total consumer					
U.S. commercial					
U.S. commercial					
U.S. commercial	U.S. commercial	**561**	553	**85**	190
Non-U.S. commercial	Non-U.S. commercial	**102**	212	**4**	25
Non-U.S. commercial					
Non-U.S. commercial					
Commercial real estate					
Commercial real estate					
Commercial real estate	Commercial real estate	**1,343**	271	**6**	46
Commercial lease financing	Commercial lease financing	**18**	4	**5**	8
Commercial lease financing					
Commercial lease financing					
U.S. small business commercial					
U.S. small business commercial					
U.S. small business commercial	U.S. small business commercial	**17**	14	**185**	355
Total commercial	**Total commercial**	**2,041**	1,054	**285**	624
Total commercial					
Total commercial					
Total nonperforming loans					
Total nonperforming loans					
Total nonperforming loans	**Total nonperforming loans**	**$ 4,833**	$ 3,808	**$ 1,567**	$ 1,711
Percentage of outstanding loans and leases	**Percentage of outstanding loans and leases**	**0.46 %**	0.37 %	**0.15 %**	0.16 %
Percentage of outstanding loans and leases					
Percentage of outstanding loans and leases					

(1) Residential mortgage loans accruing past due 90 days or more are fully-insured loans. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 residential mortgage included $180 million $140 million and $260 million $156 million of

therefore were no longer accruing interest, although principal was still insured, and $85 million $90 million and $108 million $96 million of loans on which interest was still accruing.

(2) Primarily relates to loans for which the estimated fair value of the underlying collateral less any costs to sell is greater than the amortized cost of the loans as of the reporting date.
n/a = not applicable

Credit Quality Indicators

bankruptcy proceeding) may not have their FICO scores

The Corporation monitors credit quality within its Consumer Real Estate, Credit Card and Other Consumer, and Commercial portfolio segments based on primary credit quality indicators. For more information on the portfolio segments, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K. Within the Consumer Real Estate portfolio segment, the primary credit quality indicators are refreshed loan-to-value (LTV) and refreshed Fair Isaac Corporation (FICO) score. Refreshed LTV measures the carrying value of the loan as a percentage of the value of the property securing the loan, refreshed quarterly. Home equity loans are evaluated using combined loan-to-value (CLTV), which measures the carrying value of the Corporation's loan and available line of credit combined with any outstanding senior liens against the property as a percentage of the value of the property securing the loan, refreshed quarterly. FICO score measures the creditworthiness of the borrower based on the financial obligations of the borrower and the borrower's credit history. FICO scores are typically refreshed quarterly or more frequently. Certain borrowers (e.g., borrowers that have had debts discharged in a

FICO scores are also a primary credit quality indicator for the Credit Card and Other Consumer portfolio segment and the business card portfolio within U.S. small business commercial. Within the Commercial portfolio segment, loans are evaluated using the internal classifications of pass rated or reservable criticized as the primary credit quality indicators. The term reservable criticized refers to those commercial loans that are internally classified or listed by the Corporation as Special Mention, Substandard or Doubtful, which are asset quality categories defined by regulatory authorities. These assets have an elevated level of risk and may have a high probability of default or total loss. Pass rated refers to all loans not considered reservable criticized. In addition to these primary credit quality indicators, the Corporation uses other credit quality indicators for certain types of loans.

The following tables present certain credit quality indicators and gross charge-offs for the Corporation's Consumer Real Estate, Credit Card and Other Consumer, and Commercial portfolio segments by year of origination, except for revolving loans and revolving loans that were modified into term loans, which are shown on an aggregate basis at September 30, 2023 March 31, 2024.

Residential Mortgage – Credit Quality Indicators By Vintage

Residential Mortgage – Credit Quality Indicators By Vintage

Residential Mortgage – Credit Quality Indicators By Vintage

Term Loans by Origination Year

Term Loans by Origination Year

Term Loans by Origination Year

Term Loans by Origination Year

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Total as of September 30, 2023	2023	2022	2021	2020	2019	Prior
Residential Mortgage	**Residential Mortgage**							
Residential Mortgage								
Residential Mortgage								
Refreshed LTV								
Refreshed LTV								
Refreshed LTV	Refreshed LTV							

Less than or equal to 90 percent	Less than or equal to 90 percent	$214,919	$12,117	$38,307	$77,128	$35,708	$17,751	$33,908
Less than or equal to 90 percent								
Less than or equal to 90 percent								
Greater than 90 percent but less than or equal to 100 percent								
Greater than 90 percent but less than or equal to 100 percent								
Greater than 90 percent but less than or equal to 100 percent	Greater than 90 percent but less than or equal to 100 percent	**2,288**	593	1,153	391	78	35	38
Greater than 100 percent	Greater than 100 percent	**917**	262	439	129	34	14	39
Greater than 100 percent								
Greater than 100 percent								
Fully-insured loans	Fully-insured loans	**11,042**	351	374	3,483	2,893	867	3,074
Fully-insured loans								
Fully-insured loans								
Total Residential Mortgage								
Total Residential Mortgage								
Total Residential Mortgage	**Total Residential Mortgage**	**$229,166**	$13,323	$40,273	$81,131	$38,713	$18,667	$37,059
Residential Mortgage	**Residential Mortgage**							
Residential Mortgage								
Residential Mortgage								
Refreshed FICO score								
Refreshed FICO score								
Refreshed FICO score	Refreshed FICO score							
Less than 620	Less than 620	$ **2,269**	$ 78	$ 432	$ 578	$ 382	$ 118	$ 681
Less than 620								
Less than 620								
Greater than or equal to 620 and less than 680								
Greater than or equal to 620 and less than 680								
Greater than or equal to 620 and less than 680	Greater than or equal to 620 and less than 680	**4,737**	301	999	1,187	774	316	1,160
Greater than or equal to 680 and less than 740	Greater than or equal to 680 and less than 740	**23,364**	1,416	4,743	6,977	3,860	1,920	4,448
Greater than or equal to 680 and less than 740								
Greater than or equal to 680 and less than 740								
Greater than or equal to 740								
Greater than or equal to 740								
Greater than or equal to 740	Greater than or equal to 740	**187,754**	11,177	33,725	68,906	30,804	15,446	27,696
Fully-insured loans	Fully-insured loans	**11,042**	351	374	3,483	2,893	867	3,074

Fully-insured loans

Fully-insured loans

Total Residential Mortgage

Total Residential Mortgage

Total Residential Mortgage	**Total Residential Mortgage**	**$229,166**	$13,323	$40,273	$81,131	$38,713	$18,667	$37,059
Gross charge-offs for the nine months ended September 30, 2023		**$ 26**	$ —	$ 4	$ 8	$ 4	$ 2	$ 8

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Home Equity - Credit Quality Indicators

Home Equity - Credit Quality Indicators

	Total	Home Equity Loans and Reverse Mortgages (1)	Revolving Loans	Revolving Loans Converted to Term Loans

Home Equity - Credit Quality Indicators

Total

Total

Total

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)		September 30, 2023		
Home Equity	**Home Equity**				

Home Equity

Home Equity

Refreshed LTV

Refreshed LTV

Refreshed LTV	Refreshed LTV				
Less than or equal to 90 percent	Less than or equal to 90 percent	$25,336	$ 1,102	$ 19,944	$ 4,290

Less than or equal to 90 percent

Less than or equal to 90 percent

Greater than 90 percent but less than or equal to 100 percent

Greater than 90 percent but less than or equal to 100 percent

Greater than 90 percent but less than or equal to 100 percent	Greater than 90 percent but less than or equal to 100 percent	66	17	36	13
Greater than 100 percent	Greater than 100 percent	90	34	36	20

Greater than 100 percent

Greater than 100 percent

Total Home Equity

Total Home Equity

Total Home Equity	**Total Home Equity**	**$ 25,492**	**$ 1,153**	**$ 20,016**	**$ 4,323**

Home Equity **Home Equity**

Home Equity

Home Equity

Refreshed FICO score

Refreshed FICO score

Refreshed FICO score Refreshed FICO score

Less than 620	Less than 620	**$ 662**	**$ 134**	**$ 228**	**$ 300**

Less than 620

Less than 620

Greater than or equal to 620 and less than 680

Greater than or equal to 620 and less than 680

Greater than or equal to 620 and less than 680	Greater than or equal to 620 and less than 680	**1,129**	**125**	**568**	**436**
Greater than or equal to 680 and less than 740	Greater than or equal to 680 and less than 740	**4,237**	**253**	**2,961**	**1,023**

Greater than or equal to 680 and less than 740

Greater than or equal to 680 and less than 740

Greater than or equal to 740

Greater than or equal to 740

Greater than or equal to 740	Greater than or equal to 740	**19,464**	**641**	**16,259**	**2,564**
Total Home Equity	**Total Home Equity**	**$ 25,492**	**$ 1,153**	**$ 20,016**	**$ 4,323**

Total Home Equity

Total Home Equity				
Gross charge-offs for the nine months ended September 30, 2023	$ 18	$ 2	$ 8	$ 8
Gross charge-offs for the three months ended March 31, 2024				
Gross charge-offs for the three months ended March 31, 2024				
Gross charge-offs for the three months ended March 31, 2024				

(1) Includes reverse mortgages of $788 million $740 million and home equity loans of $366 million $327 million, which are no longer originated.

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

	Direct/Indirect								Credit Card		
			Term Loans by Origination Year								
(Dollars in millions)	Total Direct/ Indirect as of September 30, 2023	Revolving Loans	2023	2022	2021	2020	2019	Prior	Total Credit Card as of September 30, 2023	Revolving Loans	Revolving Loans Converted to Term Loans (1)
Refreshed FICO score											
Less than 620	$ 1,133	$ 11	$ 186	$ 394	$ 332	$ 93	$ 60	$ 57	$ 4,957	$ 4,681	$ 276
Greater than or equal to 620 and less than 680	2,502	12	745	861	558	151	87	88	11,440	11,189	251
Greater than or equal to 680 and less than 740	8,741	48	2,851	2,850	1,857	552	297	286	34,219	33,999	220
Greater than or equal to 740	41,720	74	13,418	12,831	8,602	3,303	1,739	1,753	49,071	49,021	50
Other internal credit metrics (2,3)	49,963	49,285	72	175	145	54	55	177	—	—	—

(Dollars in millions)	Total Direct/ Indirect as of March 31, 2024	Revolving Loans	2024	2023	2022	2021	2020	Prior	Tota

Total credit card and other consumer	**Total credit card and other consumer**	**$ 104,059**	$ 49,430	$17,272	$17,111	$11,494	$4,153	$2,238	$2,361	**$ 99,687**	$ 98,890	$ 797
Gross charge-offs for the nine months ended September 30, 2023		**$ 153**	$ 3	$ 13	$ 65	$ 37	$ 11	$ 7	$ 17	**$ 2,220**	$ 2,139	$ 81
Gross charge-offs for the three months ended March 31, 2024												
Gross charge-offs for the three months ended March 31, 2024												
Gross charge-offs for the three months ended March 31, 2024												

(1) Represents loans that were modified into term loans.

(2) Other internal credit metrics may include delinquency status, geography or other factors.

(3) Direct/indirect consumer includes $49.3 billion $48.0 billion of securities-based lending, which is typically supported by highly liquid collateral with market value greater than or equal to the outstanding loan balance and therefore has minimal credit risk at September

Commercial – Credit Quality Indicators By Vintage (1) ***Commercial – Credit Quality Indicators By Vintage (1)***

Term Loans

Commercial – Credit Quality Indicators By Vintage (1)

Amortized Cost Basis by Origination Year

Commercial – Credit Quality Indicators By Vintage (1)

Term Loans

Term Loans

Term Loans

Amortized Cost Basis by Origination Year

Amortized Cost Basis by Origination Year

Amortized Cost Basis by Origination Year

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	**Total as of September 30, 2023**	**2023**	**2022**	**2021**	**2020**	**2019**	**Prior**	**Revolving Loans**
U.S. Commercial	**U.S. Commercial**								

U.S. Commercial

U.S. Commercial

Risk ratings

Risk ratings

Risk ratings	Risk ratings								
Pass rated	Pass rated	**$344,382**	$28,937	$46,312	$28,465	$14,786	$13,015	$31,832	$181,035

Pass rated

Pass rated

Reservable criticized

Reservable criticized

Reservable criticized	Reservable criticized	**11,948**	157	1,203	817	419	733	1,379	7,240
Total U.S. Commercial	**Total U.S. Commercial**	**$356,330**	$29,094	$47,515	$29,282	$15,205	$13,748	$33,211	$188,275
Gross charge-offs for the nine months ended September 30, 2023		$ 117	$ 2	$ 12	$ 21	$ 1	$ 1	$ 18	$ 62

Total U.S. Commercial

Total U.S. Commercial

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Non-U.S. Commercial

Non-U.S. Commercial

Non-U.S. Commercial	**Non-U.S. Commercial**								
Risk ratings	Risk ratings								

Risk ratings

Risk ratings

Pass rated

Pass rated

Pass rated	Pass rated	**$121,753**	$12,530	$17,368	$16,282	$ 2,770	$ 3,078	$ 6,528	$ 63,197
Reservable criticized	Reservable criticized	**1,960**	26	183	272	147	244	174	914

Reservable criticized

Reservable criticized

Total Non-U.S. Commercial	**Total Non-U.S. Commercial**	**$123,713**	$12,556	$17,551	$16,554	$ 2,917	$ 3,322	$ 6,702	$ 64,111
Gross charge-offs for the nine months ended September 30, 2023		**$ 31**	$ —	$ —	$ 8	$ 7	$ 1	$ —	$ 15

Total Non-U.S. Commercial

Total Non-U.S. Commercial

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Commercial Real Estate

Commercial Real Estate

Commercial Real Estate	**Commercial Real Estate**								
Risk ratings	Risk ratings								
Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	**$ 65,055**	$ 3,452	$ 16,292	$ 12,454	$ 4,393	$ 8,034	$ 10,771	$ 9,659
Reservable criticized	Reservable criticized	**8,138**	65	662	1,674	530	1,847	2,970	390
Reservable criticized									
Reservable criticized									
Total Commercial Real Estate	**Total Commercial Real Estate**	**$ 73,193**	$ 3,517	$ 16,954	$ 14,128	$ 4,923	$ 9,881	$ 13,741	$ 10,049
Gross charge-offs for the nine months ended September 30, 2023		**$ 139**	$ 2	$ —	$ —	$ —	$ 44	$ 93	$ —
Total Commercial Real Estate									
Total Commercial Real Estate									
Gross charge-offs for the three months ended March 31, 2024									
Gross charge-offs for the three months ended March 31, 2024									
Gross charge-offs for the three months ended March 31, 2024									

Commercial Lease Financing

Commercial Lease Financing

Commercial Lease Financing	**Commercial Lease Financing**								
Risk ratings	Risk ratings								
Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	**$ 13,703**	$ 2,618	$ 3,107	$ 2,348	$ 1,519	$ 1,306	$ 2,805	$ —
Reservable criticized	Reservable criticized	**201**	6	31	49	23	32	60	—
Reservable criticized									
Reservable criticized									
Total Commercial Lease Financing	**Total Commercial Lease Financing**	**$ 13,904**	$ 2,624	$ 3,138	$ 2,397	$ 1,542	$ 1,338	$ 2,865	$ —
Gross charge-offs for the nine months ended September 30, 2023		**$ 3**	$ —	$ —	$ 2	$ 1	$ —	$ —	$ —

Total Commercial Lease Financing

Total Commercial Lease Financing

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

U.S. Small Business Commercial (2)

U.S. Small Business Commercial (2)

U.S. Small Business Commercial (2)	**U.S. Small Business Commercial** (2)								
Risk ratings	Risk ratings								
Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	**$ 8,919**	$ 1,476	$ 1,849	$ 1,617	$ 922	$ 752	$ 1,886	$ 417
Reservable criticized	Reservable criticized	**379**	5	45	89	44	66	127	3
Reservable criticized									
Reservable criticized									
Total U.S. Small Business Commercial	**Total U.S. Small Business Commercial**	**$ 9,298**	$ 1,481	$ 1,894	$ 1,706	$ 966	$ 818	$ 2,013	$ 420
Gross charge-offs for the nine months ended September 30, 2023		**$ 31**	$ —	$ 2	$ 1	$ 14	$ 2	$ 3	$ 9
Total U.S. Small Business Commercial									
Total U.S. Small Business Commercial									
Gross charge-offs for the three months ended March 31, 2024									
Gross charge-offs for the three months ended March 31, 2024									
Gross charge-offs for the three months ended March 31, 2024									
Total	**Total**	**$ 576,438**	$ 49,272	$ 87,052	$ 64,067	$ 25,553	$ 29,107	$ 58,532	$ 262,855
Gross charge-offs for the nine months ended September 30, 2023		**$ 321**	$ 4	$ 14	$ 32	$ 23	$ 48	$ 114	$ 86
Total									
Total									
Gross charge-offs for the three months ended March 31, 2024									

Gross charge-offs for the three months ended March 31, 2024

Gross charge-offs for the three months ended March 31, 2024

(1) Excludes $4.0 $2.7 billion of loans accounted for under the fair value option at September 30, 2023 March 31, 2024.

(2) Excludes U.S. Small Business Card loans of $9.9 billion $10.3 billion. Refreshed FICO scores for this portfolio are $473 million $597 million for less than 620; $1.0 billion $1.1 billion for greater than or equal to 620 and less than 680; $2.7 billion $2.9 billion for grea
740. Excludes U.S. Small Business Card loans gross charge-offs of $223 $111 million.

The following tables present certain credit quality indicators for the Corporation's Consumer Real Estate, Credit Card and Other Consumer, and Commercial portfolio segments
loans that were modified into term loans, which are shown on an aggregate basis at December 31, 2022 December 31, 2023.

Residential Mortgage – Credit Quality Indicators By Vintage

Residential Mortgage – Credit Quality Indicators By Vintage

Residential Mortgage – Credit Quality Indicators By Vintage

Term Loans by Origination Year

Term Loans by Origination Year

Term Loans by Origination Year

Term Loans by Origination Year

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Total as of December 31, 2022	2022	2021	2020	2019	2018	Prior
Residential Mortgage	**Residential Mortgage**							
Refreshed LTV	Refreshed LTV							
Less than or equal to 90 percent	Less than or equal to 90 percent	$215,713	$39,625	$81,437	$37,228	$18,980	$5,734	$32,709

Residential Mortgage

Residential Mortgage

Refreshed LTV

Refreshed LTV

Less than or equal to 90 percent

Less than or equal to 90 percent

Greater than 90 percent but less than or equal to 100 percent

Greater than 90 percent but less than or equal to 100 percent

Greater than 90 percent but less than or equal to 100 percent	Greater than 90 percent but less than or equal to 100 percent	1,615	950	530	93	15	8	19
Greater than 100 percent	Greater than 100 percent	648	374	169	43	15	8	39

Greater than 100 percent
Greater than 100 percent

Fully-insured loans	Fully-insured loans	11,694	580	3,667	3,102	949	156	3,240

Fully-insured loans
Fully-insured loans
Total Residential Mortgage
Total Residential Mortgage

Total Residential Mortgage	**Total Residential Mortgage**	$229,670	$41,529	$85,803	$40,466	$19,959	$5,906	$36,007
Residential Mortgage	**Residential Mortgage**							

Residential Mortgage
Residential Mortgage
Refreshed FICO score
Refreshed FICO score

Refreshed FICO score	Refreshed FICO score							
Less than 620	Less than 620	$ 2,156	$ 377	$ 518	$ 373	$ 124	$ 84	$ 680

Less than 620
Less than 620
Greater than or equal to 620 and less than 680
Greater than or equal to 620 and less than 680

Greater than or equal to 620 and less than 680	Greater than or equal to 620 and less than 680	4,978	1,011	1,382	840	329	233	1,183
Greater than or equal to 680 and less than 740	Greater than or equal to 680 and less than 740	25,444	5,411	8,290	4,369	2,187	830	4,357

Greater than or equal to 680 and less than 740
Greater than or equal to 680 and less than 740
Greater than or equal to 740
Greater than or equal to 740

Greater than or equal to 740	Greater than or equal to 740	185,398	34,150	71,946	31,782	16,370	4,603	26,547
Fully-insured loans	Fully-insured loans	11,694	580	3,667	3,102	949	156	3,240

Fully-insured loans
Fully-insured loans

Total Residential Mortgage	**Total Residential Mortgage**	$229,670	$41,529	$85,803	$40,466	$19,959	$5,906	$36,007
Gross charge-offs for the year ended December 31, 2022		$ 161	$ —	$ 6	$ 5	$ 6	$ 1	$ 143

Total Residential Mortgage

Total Residential Mortgage

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Home Equity - Credit Quality Indicators

Home Equity - Credit Quality Indicators

		Total	Home Equity Loans and Reverse Mortgages (1)	Revolving Loans	Revolving Loans Converted to Term Loans

Home Equity - Credit Quality Indicators

Total

Total

Total

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	December 31, 2022			
Home Equity	**Home Equity**				
Home Equity					
Home Equity					
Refreshed LTV					
Refreshed LTV					
Refreshed LTV	Refreshed LTV				
Less than or equal to 90 percent	Less than or equal to 90 percent	$ 26,395	$ 1,304	$ 19,960	$ 5,131
Less than or equal to 90 percent					
Less than or equal to 90 percent					
Greater than 90 percent but less than or equal to 100 percent					
Greater than 90 percent but less than or equal to 100 percent					
Greater than 90 percent but less than or equal to 100 percent	Greater than 90 percent but less than or equal to 100 percent	62	20	24	18

Greater than 100 percent	Greater than 100 percent	106	37	35	34

Greater than 100 percent

Greater than 100 percent

Total Home Equity

Total Home Equity

Total Home Equity	**Total Home Equity**	$ 26,563	$ 1,361	$ 20,019	$ 5,183

Home Equity **Home Equity**

Home Equity

Home Equity

Refreshed FICO score

Refreshed FICO score

Refreshed FICO score	Refreshed FICO score				
Less than 620	Less than 620	$ 683	$ 166	$ 189	$ 328

Less than 620

Less than 620

Greater than or equal to 620 and less than 680

Greater than or equal to 620 and less than 680

Greater than or equal to 620 and less than 680	Greater than or equal to 620 and less than 680	1,190	152	507	531
Greater than or equal to 680 and less than 740	Greater than or equal to 680 and less than 740	4,321	312	2,747	1,262

Greater than or equal to 680 and less than 740

Greater than or equal to 680 and less than 740

Greater than or equal to 740

Greater than or equal to 740

Greater than or equal to 740	Greater than or equal to 740	20,369	731	16,576	3,062
Total Home Equity	**Total Home Equity**	$ 26,563	$ 1,361	$ 20,019	$ 5,183
Gross charge-offs for the year ended December 31, 2022		$ 45	$ 5	$ 24	$ 16

Total Home Equity

Total Home Equity

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

(1) Includes reverse mortgages of $937 million $763 million and home equity loans of $424 million $340 million, which are no longer originated.

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

Credit Card and Direct/Indirect Consumer – Credit Quality Indicators By Vintage

Direct/Indirect

Direct/Indirect

Term Loans by Origination Year **Credit Card**

Direct/Indirect

Direct/Indirect

Term Loans by Origination Year

Term Loans by Origination Year

Term Loans by Origination Year

Credit Card

(Dollars in millions) | Total Direct/Indirect as of December 31, 2023 | Revolving Loans | 2023 | 2022 | 2021 | 2020 | 2019 | Pri

(Dollars in millions)	Total Direct/Indirect as of December 31, 2022	Revolving Loans	2022	2021	2020	2019	2018	Prior	Total Credit Card as of December 31, 2022	Revolving Loans	Revolving Loans Converted to Term Loans (1)
Refreshed FICO score											
Less than 620											
Less than 620											
Less than 620	$ 847	$ 12	$ 237	$ 301	$ 113	$ 84	$ 43	$ 57	$ 4,056	$ 3,866	$ 190
Greater than or equal to 620 and less than 680	2,521	12	1,108	816	269	150	69	97	10,994	10,805	189
Greater than or equal to 680 and less than 740	8,895	52	4,091	2,730	992	520	214	296	32,186	32,017	169
Greater than or equal to 740	39,679	83	16,663	11,392	5,630	2,992	1,236	1,683	46,185	46,142	43
Other internal credit metrics (2, 3)	54,294	53,404	259	305	70	57	40	159	—	—	—
Total credit card and other consumer	$ 106,236	$ 53,563	$22,358	$15,544	$7,074	$3,803	$1,602	$2,292	$ 93,421	$ 92,830	$ 591

Gross charge-offs for the year ended December 31, 2022	$ 232	$ 7	$ 31	$ 79	$ 34	$ 27	$ 14	$ 40	$ 1,985	$ 1,909	$ 76
Gross charge-offs for the year ended December 31, 2023											

(1) Represents TDRs loans that were modified into term loans.

(2) Other internal credit metrics may include delinquency status, geography or other factors.

(3) Direct/indirect consumer includes $53.4 billion $48.8 billion of securities-based lending, which is typically supported by highly liquid collateral with market value greater than or equal to the outstanding loan balance and therefore has minimal credit risk at December 3

Commercial – Credit Quality Indicators By Vintage (1)

Commercial – Credit Quality Indicators By Vintage (1)

Commercial – Credit Quality Indicators By Vintage (1)

Commercial – Credit Quality Indicators By Vintage (1)

(Dollars in millions)				Term Loans Amortized Cost Basis by Origination Year				
	Total as of December 31, 2022	2022	2021	2020	2019	2018	Prior	Revolving Loans
U.S. Commercial								
Risk ratings								
Pass rated	$ 348,447	$ 61,200	$ 39,717	$ 18,609	$ 16,566	$ 8,749	$ 30,282	$ 173,324
Reservable criticized	10,034	278	794	697	884	1,202	856	5,323
Total U.S. Commercial	$ 358,481	$ 61,478	$ 40,511	$ 19,306	$ 17,450	$ 9,951	$ 31,138	$ 178,647
Gross charge-offs for the year ended December 31, 2022	$ 151	$ 2	$ 24	$ 24	$ 9	$ 6	$ 13	$ 73
Total U.S. Commercial								

Term Loans
Term Loans
Term Loans
Amortized Cost Basis by Origination Year
Amortized Cost Basis by Origination Year
Amortized Cost Basis by Origination Year
(Dollars in millions)
(Dollars in millions)
U.S. Commercial
U.S. Commercial
Risk ratings
Risk ratings
Pass rated
Pass rated
Reservable criticized
Reservable criticized
Total U.S. Commercial

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Non-U.S. Commercial

Non-U.S. Commercial

Non-U.S. Commercial	**Non-U.S. Commercial**								
Risk ratings	Risk ratings								
Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	$121,890	$ 24,839	$19,098	$ 5,183	$ 3,882	$ 2,423	$ 4,697	$ 61,768
Reservable criticized	Reservable criticized	2,589	45	395	331	325	98	475	920
Reservable criticized									
Reservable criticized									
Total Non-U.S. Commercial	**Total Non-U.S. Commercial**	$124,479	$ 24,884	$19,493	$ 5,514	$ 4,207	$ 2,521	$ 5,172	$ 62,688
Gross charge-offs for the year ended December 31, 2022		$ 41	$ —	$ 3	$ 1	$ —	$ 37	$ —	$ —

Total Non-U.S. Commercial

Total Non-U.S. Commercial

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Commercial Real Estate

Commercial Real Estate

Commercial Real Estate	**Commercial Real Estate**								
Risk ratings	Risk ratings								
Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	$ 64,619	$ 15,290	$13,089	$ 5,756	$ 9,013	$ 4,384	$ 8,606	$ 8,481
Reservable criticized	Reservable criticized	5,147	11	837	545	1,501	1,151	1,017	85
Reservable criticized									
Reservable criticized									
Total Commercial Real Estate	**Total Commercial Real Estate**	$ 69,766	$ 15,301	$13,926	$ 6,301	$10,514	$ 5,535	$ 9,623	$ 8,566

Gross charge-offs for the year ended December 31, 2022	$ 75	$ —	$ —	$ 6	$ —	$ 26	$ 43	$ —

Total Commercial Real Estate

Total Commercial Real Estate

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Commercial Lease Financing

Commercial Lease Financing

Commercial Lease Financing	**Commercial Lease Financing**								
Risk ratings	Risk ratings								

Risk ratings

Risk ratings

Pass rated

Pass rated

Pass rated	Pass rated	$ 13,404	$ 3,255	$ 2,757	$ 1,955	$ 1,578	$ 1,301	$ 2,558	$ —
Reservable criticized	Reservable criticized	240	9	35	12	71	50	63	—

Reservable criticized

Reservable criticized

Total Commercial Lease Financing	**Total Commercial Lease Financing**	$ 13,644	$ 3,264	$ 2,792	$ 1,967	$ 1,649	$ 1,351	$ 2,621	$ —
Gross charge-offs for the year ended December 31, 2022		$ 8	$ —	$ 4	$ —	$ 4	$ —	$ —	$ —

Total Commercial Lease Financing

Total Commercial Lease Financing

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

Gross charge-offs for the year ended December 31, 2023

U.S. Small Business Commercial (2)

U.S. Small Business Commercial (2)

U.S. Small Business Commercial (2)	**U.S. Small Business Commercial (2)**
Risk ratings	Risk ratings

Risk ratings									
Risk ratings									
Pass rated									
Pass rated									
Pass rated	Pass rated	$ 8,726	$ 1,825	$ 1,953	$ 1,408	$ 864	$ 624	$ 1,925	$ 127
Reservable criticized	Reservable criticized	329	11	35	48	76	51	105	3
Reservable criticized									
Reservable criticized									
Total U.S. Small Business Commercial	**Total U.S. Small Business Commercial**	$ 9,055	$ 1,836	$ 1,988	$ 1,456	$ 940	$ 675	$ 2,030	$ 130
Gross charge-offs for the year ended December 31, 2022		$ 31	$ —	$ 1	$ 11	$ 4	$ 1	$ 6	$ 8
Total U.S. Small Business Commercial									
Total U.S. Small Business Commercial									
Gross charge-offs for the year ended December 31, 2023									
Gross charge-offs for the year ended December 31, 2023									
Gross charge-offs for the year ended December 31, 2023									
Total	**Total**	$575,425	$106,763	$78,710	$34,544	$34,760	$20,033	$50,584	$250,031
Total gross charge-offs for the year ended December 31, 2022		$ 306	$ 2	$ 32	$ 42	$ 17	$ 70	$ 62	$ 81
Total									
Total									
Gross charge-offs for the year ended December 31, 2023									
Gross charge-offs for the year ended December 31, 2023									
Gross charge-offs for the year ended December 31, 2023									

(1) Excludes $5.4 billion $3.3 billion of loans accounted for under the fair value option at December 31, 2022 December 31, 2023.

(2) Excludes U.S. Small Business Card loans of $8.5 billion $9.8 billion. Refreshed FICO scores for this portfolio are $297 million $530 million for less than 620; $859 million $1.1 billion for greater than or equal to 620 and less than 680; $2.4 billion $2.7 billion for great

740. Excludes U.S. Small Business Card loans gross charge-offs of $172 $317 million.

During the nine three months ended September 30, 2023 March 31, 2024, commercial reservable criticized utilized exposure increased to $23.7 billion $24.5 billion at September 30, 2023 March 31, 2024 from $19.3 billion $23.3 billion (to 3.83 3.93 percent from 3.12 3.74 percent of total commercial reservable utilized exposure) at December 31, 2022 December 31, 2023, primarily driven by commercial real estate and U.S. Commercial. commercial.

Loan Modifications to Borrowers in Financial Difficulty

As part of its credit risk management, the Corporation may modify a loan agreement with a borrower experiencing financial difficulties through a refinancing or restructuring of the borrower's loan agreement (modification programs). Effective January 1, 2023, the Corporation adopted the new accounting standard on loan modifications. Accordingly, March 31, 2024 balances presented in payment status tables represent loans that were modified over the last 12 months, and March 31, 2023 balances presented in payment status tables represent loans that were modified during the first quarter of 2023.

Consumer Real Estate

The following modification programs are offered for consumer real estate loans to borrowers experiencing financial difficulties. These modifications represented 0.25 percent and 0.35 percent of outstanding residential mortgage and home equity loans of 0.03 percent and 0.04 percent at September 30, 2023 March 31, 2024, compared to 0.09 percent and 0.15 percent at March 31, 2023.

Forbearance and Other Payment Plans: Forbearance plans generally consist of the Corporation suspending the borrower's payments for a defined period with those payments then due over a defined period of time or at the conclusion of the forbearance period. The aging status of a loan is generally frozen when it enters into a forbearance plan. Alternatively, the Corporation may offer the borrower a payment plan, which allows the borrower to repay past due amounts through payments over a defined period. At September 30, 2023 March 31, 2024, the amortized cost of residential mortgage loans that were modified through these plans during the three and nine months ended September 30, 2023 March 31, 2024 and 2023 was $270 million $20 million and $437 million. $158 million. The amortized cost of home equity loans that were modified through these plans during the same periods was $39 million $0 and $64 million. $30 million. The weighted-average duration of residential the mortgage loan modifications was approximately 4 months and 8 months for the three and nine months ended September 30, 2023. For the same periods, the weighted-average duration for home equity loan modifications was approximately 4 insignificant, ranging from 3 months and to 9 months. The total forborne payments for residential mortgage loan modifications was $6 million and $19 million months for the three and nine months ended September 30, 2023. For the same periods, the total forborne payments for home equity modifications was $2 million March 31, 2024 and $7 million. 2023. If a borrower is unable to fulfill their obligations under the forbearance plans, they may be offered a trial offer or permanent modification.

Trial Offer and Permanent Modifications: Trial offer for modification plans generally consist of the Corporation offering a borrower modified loan terms that reduce their contractual payments temporarily over a three-to-four-month trial period. At March 31, 2024 and 2023, the amortized cost of residential

Permanent Modifications: Permanent modifications include borrowers that have completed a trial modification and have had their contractual payment terms permanently modified, as well as borrowers that proceed directly to a permanent modification without a trial period. In a permanent modification, the borrower's payment terms are typically modified in more than one manner but generally include a term extension and an interest rate reduction. At times, the permanent modification may also include principal forgiveness and/or a deferral of past due principal and interest amounts to the end of the loan term. The combinations utilized are based on modifying the terms that give the borrower an improved ability to meet the contractual obligations. At September 30, 2023 March 31, 2024, the amortized cost of residential mortgage loans that were granted a permanent modification during the three and nine months ended September 30, 2023 March 31, 2024 and 2023 was $47 million $58 million and $128 million. $47 million. The amortized cost of home equity loans that were granted a permanent modification during the same periods was $9 million $9 million and $26 million. $10 million. The term extensions granted for residential mortgage and home equity permanent modifications vary widely and can be up to 30 years, but are mostly in the range of 1 to 20 years for both residential mortgage and home equity loans. years. The weighted-average term extension of permanent modifications for residential mortgage loans was 12.1 9.3 years and 9.9 7.7 years for the three and nine months ended September 30, 2023, March 31, 2024 and 2023, while the weighted-average interest rate reduction was 1.31 1.28 percent and 1.50 percent. For the same periods, the weighted-average term extension of permanent modifications for home equity loans was 17.2 16.0 years and 16.2 12.1 years, while the weighted-average interest rate reduction was 2.69 2.84 percent and 3.11 2.37 percent. Principal forgiveness and payment deferrals were insignificant for during the three and nine months ended September 30, 2023. March 31, 2024 and 2023.

For consumer real estate borrowers in financial difficulty that received a forbearance, trial or permanent modification, there were no commitments to lend additional funds at September 30, 2023. Borrowers with a home equity line of credit that received a forbearance plan could have all or a portion of their lines reinstated in the future if they cure their payment default March 31, 2024 and meet certain Bank conditions.

Chapter 7 Discharges: If a borrower's consumer real estate obligation is discharged in a Chapter 7 bankruptcy proceeding, the contractual payment terms of the loan are not modified, although they can no longer be enforced against the individual borrower. The Corporation's ability to collect amounts due on the loan is limited to enforcement against the property through the foreclosure and sale of the collateral. The Corporation will only pursue foreclosure upon default by the borrower, and otherwise will recover pursuant to the loan terms or at the time of a sale.

mortgage loans entering trial offer for modifications dur
$53 million and $21 million. The amortized cost of home
periods was $9 million. If the customer successfully mak
accepts the modified terms, the modified loan terms bec
of residential mortgage loans entering trial Some borrow
and nine months ended September 30, 2023 was $33
loans entering trial modifications during the same periods

Residential mortgage and home equity loans that were granted a Chapter 7 discharge were insignificant for the three and nine months ended September 30, 2023.2023.

The Corporation tracks the performance of modified loans to assess effectiveness of modification programs. Defaults of During the three months ended March 31, 2024 and 2023, modified residential mortgage and home equity loans since January 1, 2023 that defaulted were $160 million and $26 million during the nine months ended September 30, 2023. insignificant. The table below provides aging information as of September 30, 2023 March 31, 2024 for consumer real estate loans that were modified since January 1, 2023. over the last 12 months and as of March 31, 2023 for consumer real estate loans that were modified during the first quarter of 2023.

Consumer Real Estate - Payment Status of Modifications to Borrowers in Financial Difficulty

(Dollars in millions)	Current	30–89 Days Past Due
		March 3
Residential mortgage	$ 304	$ 78
Home equity	51	6
Total	**$ 355**	**$ 84**
		March 3
Residential mortgage	$ 126	$ 49
Home equity	23	7
Total	$ 149	$ 56

Consumer Real Estate - Payment Status of Modifications to Borrowers in Financial Difficulty *(1)*

(Dollars in millions)	Current	30–89 Days Past Due
		Septemb
Residential mortgage	$ 295	$ 114
Home equity	51	11
Total	**$ 346**	**$ 125**

(1) Excludes trial modifications and Chapter 7 discharges

principal forgiveness was $16 million of $28 million an
ended September 30, 2023. March 31, 2024 and 2023.

Consumer real estate foreclosed properties totaled $93 million $90 million and $121 million $83 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The carrying value of consumer real estate loans, including fully-insured loans, for which formal foreclosure proceedings were in process at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, was $684 million $627 million and $871 million $633 million. During the nine three months ended September 30, 2023 March 31, 2024 and 2022, 2023, the Corporation reclassified $86 million $30 million and $151 million $37 million of consumer real estate loans to foreclosed properties or, for properties acquired upon foreclosure of certain government-guaranteed loans (principally FHA-insured loans), to other assets. The reclassifications represent non-cash investing activities and, accordingly, are not reflected in the Consolidated Statement of Cash Flows.

Credit Card and Other Consumer

Credit card and other consumer loans are primarily modified by placing the customer on a fixed payment plan with a significantly reduced fixed interest rate, with terms ranging from 6 months to 72 months. As of September 30, 2023 March 31, 2024, substantially all payment plans provided to customers had a 60-month term. In certain circumstances, the Corporation will forgive a portion of the outstanding balance if the borrower makes payments up to a set amount. The Corporation makes modifications directly with borrowers for loans held by the Corporation (internal programs) as well as through third-party renegotiation agencies that provide solutions to customers' entire unsecured debt structures (external programs). The September 30, 2023 March 31, 2024 amortized cost of credit card and other consumer loans that were modified through these programs during the three and nine months ended September 30, 2023 March 31, 2024 and 2023 was $196 million $231 million and $455 million $157 million. These modifications represented 0.11 percent and 0.08 percent of outstanding credit card and other consumer loans at March 31, 2024 and 2023. The financial effect of modifications resulted in a weighted-average interest rate reduction for the modifications was 19.40 of 19.80 percent and 19.02 18.65 percent, and

The Corporation tracks the performance of modified loans to assess the effectiveness of modification programs. Defaults As of March 31, 2024, defaults of modified credit card and other consumer loans since January 1, 2023 over the last 12 months were insignificant insignificant. As of March 31, 2023, defaults of modified credit card and other consumer loans during the three and nine months ended September 30, 2023. Of the $455 million in first quarter of 2023 were insignificant. At March 31, 2024, modified credit card and other consumer loans to borrowers experiencing financial difficulty as over the last 12 months totaled $658 million, of September 30, 2023, $370 which $537 million were current, $47 $62 million were 30-89 days past due, and $38 $59 million were greater than 90 days past due. These modifications represented 0.22 percent of outstanding At March 31, 2023, modified credit card and other consumer loans at September 30, 2023. to borrowers experiencing financial difficulty during the first quarter of 2023 totaled $157 million, of which $109 million were current, $24 million were 30-89 days past due, and $24 million were greater than 90 days past due.

Commercial Loans

Modifications of loans to commercial borrowers experiencing financial difficulty are designed to reduce the Corporation's loss exposure while providing borrowers with an opportunity to work through financial difficulties, often to avoid foreclosure or bankruptcy. Each modification is unique, reflects the borrower's individual circumstances and is designed to benefit the borrower while mitigating the Corporation's risk exposure. Commercial modifications are primarily term extensions and payment forbearances. Payment forbearances involve the Bank forbearing its contractual right to collect certain payments or payment in full (maturity forbearance) for a defined period of time. Reductions in interest rates and principal forgiveness occur infrequently for commercial borrowers. Principal forgiveness may occur in connection with foreclosure, short sales or other settlement agreements, leading to termination or sale of the loan. The table below provides the ending amortized cost of commercial loans modified during the three and nine months ended September 30, 2023. March 31, 2024 and 2023.

Commercial Loans - Modifications to Borrowers in Financial Difficulty

	Term Extension		Forbearances	
(Dollars in millions)			Three Months Ende	
U.S. Commercial	$	431	$	24
Non-U.S. Commercial		130		—
Commercial Real Estate		599		219
Total	$	1,160	$	243
			Nine Months Ended	
U.S. Commercial	$	768	$	33
Non-U.S. Commercial		162		—
Commercial Real Estate		1,069		287
Total	$	1,999	$	320

Commercial Loans - Modifications to Borrowers in Financial Difficulty

	Term Extension		Forbearances		
(Dollars in Millions)			March 31, 2024		
U.S. commercial	$	370	$	6	$

Non-U.S. commercial		—		—	
Commercial real estate		581		479	
Total	$	951	$	485	$
				March 31, 2023	
U.S. commercial	$	297	$	96	$
Non-U.S. commercial		104		—	
Commercial real estate		299		—	
Total	$	700	$	96	$

Term extensions granted increased the weighted-average life of the impacted loans by 1.8 1.3 years at both the three and nine months ended September 30, 2023. The weighted-average duration of loan payments deferred under the Corporation's commercial loan forbearance program was 8 months f 2024 and 9 months for the nine months ended Septemb vary, but are mostly in the range of 9

8 months to 24 months. The weighted-average interest rate reduction was 0.59 0.16 percent for both and 0 percent during the three and nine months ended September 30, 2023. March 31, 2024 and 2023. Modifications of loans to troubled borrowers for Commercial Lease Financing and U.S. Small Business Commercial were not significant during the three and nine months ended September 30, 2023. March 31, 2024 and 2023.

The Corporation tracks the performance of modifie Defaults As of modified Commercial March 31, 2024, insignificant modified during the nine last 12 months end 2023, defaults of commercial loans modified during the below provides aging information as of September 30, 2 since January 1, 2023. over the last 12 months and as during the first quarter of 2023.

Commercial - Payment Status of Modified Loans to Borrowers in Financial Difficulty

		Current		30–89 Days Past Due		90+ Days Past Due
(Dollars in millions)						September 30, 2023
U.S. Commercial	$	766	$	21	$	14
Non-U.S. Commercial		186		—		—
Commercial Real Estate		1,083		60		213
Total	$	2,035	$	81	$	227

Commercial - Payment Status of Modified Loans to Borrowers in Financial Difficulty

		Current		30–89 Days Past Due		90+ Days Past Due
(Dollars in millions)						March 31, 2024
U.S. Commercial	$	1,046	$	34	$	24
Non-U.S. Commercial		149		—		3
Commercial Real Estate		1,569		292		330
Total	$	2,764	$	326	$	357
						March 31, 2023
U.S. Commercial	$	355	$	—	$	38
Non-U.S. Commercial		104		—		—
Commercial Real Estate		299		—		—
Total	$	758	$	—	$	38

For the nine three months ended September 30, 2023, March 31, 2024 and 2023, the Corporation had commitments to lend $871 million $717 million and $534 million to commercial borrowers experiencing financial difficulty whose loans were modified during the period.

Prior-period Troubled Debt Restructuring Disclosures

Prior to adopting the new accounting standard on loan modifications, the Corporation accounted for modifications of loans to borrowers experiencing financial difficulty as TDRs, when the modification resulted in a concession. The following discussion reflects loans that were considered TDRs prior to January 1, 2023. For more information on TDR accounting policies, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 Annual Report on Form 10-K.

Consumer Real Estate

The table below presents the September 30, 2022 unp
post-modification interest rates of consumer real estate
months ended September 30, 2022. The following Cons
were initially classified as TDRs during the period and
were modified again during the period. Binding trial mod
and continue to be classified as TDRs regardless of whe

At December 31, 2022, remaining commitments to
modified in a consumer real estate TDR were not signific

Consumer Real Estate – TDRs Entered into During the Three and Nine Months Ended September 30, 2022

(Dollars in millions)	Unpaid Principal Balance	Carrying Value	Pre-Modification Interest Rate	Post-Modification Interest Rate (1)	Unpaid Principal Balance	Carryi Valu
	Three Months Ended September 30, 2022				Nin	
Residential mortgage	$ 420	$ 379	3.35 %	3.34 %	$ 1,036	$
Home equity	99	86	4.58	4.83	216	
Total	$ 519	$ 465	3.58	3.62	$ 1,252	$

(1) The post-modification interest rate reflects the interest rate applicable only to permanently completed modifications, which exclude loans that are in a trial modification period.

The table below presents the September 30, 2022 carrying value for consumer real estate loans that were modified in a TDR during the three and nine months ended Septemb

Consumer Real Estate – Modification Programs

(Dollars in millions)	Th
Modifications under proprietary programs	$
Loans discharged in Chapter 7 bankruptcy (1)	
Trial modifications	
Total modifications	$

(1) Includes loans discharged in Chapter 7 bankruptcy with no change in repayment terms that are classified as TDRs.

The table below presents the carrying value of consumer real estate loans that entered into payment default during the three and nine months ended September 30, 2022
payment default. A payment default for consumer real estate TDRs is recognized when a borrower has missed three monthly payments (not necessarily consecutively) since modi

Consumer Real Estate – TDRs Entering Payment Default that were Modified During the Preceding 12 Months

(Dollars in millions)	**Thr**
Modifications under proprietary programs	$
Loans discharged in Chapter 7 bankruptcy (1)	
Trial modifications (2)	
Total modifications	$

(1) Includes loans discharged in Chapter 7 bankruptcy with no change in repayment terms that are classified as TDRs.

(2) Includes trial modification offers to which the customer did not respond.

Credit Card and Other Consumer

The table below provides information on the Corporation's Credit Card and Other Consumer TDR portfolio including the September 30, 2022 unpaid principal balance, carrying
loans that were modified in TDRs during the three and nine months ended September 30, 2022.

Credit Card and Other Consumer – TDRs Entered into During the Three and Nine Months Ended September 30, 2022

(Dollars in millions)	Unpaid Principal Balance	Carrying Value (1)	Pre-Modification Interest Rate	Post-Modification Interest Rate	Unpaid Principal Balance	Carr Valu
	Three Months Ended September 30, 2022				Nir	
Credit card	$ 86	$ 90	21.17 %	3.80 %	$ 198	$
Direct/Indirect consumer	2	2	5.65	5.65	5	
Total	$ 88	$ 92	20.87	3.83	$ 203	$

(1) Includes accrued interest and fees.

The table below presents the September 30, 2022 carrying value for Credit Card and Other Consumer loans that were modified in a TDR during the three and nine months end

Credit Card and Other Consumer – TDRs by Program Type (1)

(Dollars in millions)	Thr
Internal programs	$
External programs	
Other	
Total	$

(1) Includes accrued interest and fees.

Credit card and other consumer loans are deemed to be in payment default during the quarter in which a borrower misses the second of two consecutive payments. Payment defaults are one of the factors considered when projecting future cash flows in the calculation of the allowance for loan and lease losses for credit card and other consumer. Based on historical experience, the Corporation estimates that 12 percent of new credit card TDRs and 20 percent of new direct/indirect consumer TDRs may be in payment default within 12 months after modification.

Commercial Loans

During the three and nine months ended September 30, 2022, the carrying value of the Corporation's commercial loans that were modified as TDRs was $745 million and $1.7 billion. At December 31, 2022, the Corporation had commitments to lend $358 million to commercial borrowers whose loans were classified as TDRs. The balance of commercial TDRs in payment default was $105 million at December 31, 2022.

Loans Held-for-sale

The Corporation had LHFS of $7.6 billion $8.6 billion and $6.9 billion $6.0 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Cash and non-

cash non-cash proceeds from sales and paydowns of loa and $27.8 billion $2.4 billion for the nine three months e Cash used for originations and purchases of LHFS totale nine three months ended September 30, 2023 March 3 transfers into LHFS of $634 million $0 and $2.1 billion for 30, 2023 March 31, 2024 and 2022. 2023.

Accrued Interest Receivable

Accrued interest receivable for loans and leases and loa March 31, 2024 and December 31, 2022 was $4.3 bil customer and other receivables on the Consolidated Bala

Outstanding credit card loan balances include unp classified as nonperforming but are charged off no later t days past due, within 60 days after receipt of notification the three and nine months ended September 30, 2023, M reversed $152 million $205 million and $409 million $118 million of interest and fee income against the income statement line item in which it was originally recorded upon charge-off of the principal balance of the loan compared to $81 million and $241 million for the same periods in 2022. loan.

For the outstanding residential mortgage, home equity, direct/indirect consumer and commercial loan balances classified as nonperforming during the three and nine months ended September 30, 2023 March 31, 2024 and 2022, 2023, interest and fee income reversed at the time the loans were classified as nonperforming was not significant. For more information on the Corporation's nonperforming loan policies, see *Note 1 – Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Allowance for Credit Losses

The allowance for credit losses is estimated using quantitative and qualitative methods that consider a variety of factors, such as historical loss experience, the current credit quality of the portfolio and an economic outlook over the life of the loan.

Qualitative reserves cover losses that are expected bu reflected in the quantitative methods or the economic information through the use of several macroeconomic s the forecasted life of the assets. These scenarios incl product, unemployment rate, real estate prices and co quarter and the weighting given to each scenario deper leading economic indicators, internal and third-party eco the Corporation's credit loss accounting policies includir *Significant Accounting Principles* to the Consolidated F Report on Form 10-K.

The September 30, 2023 March 31, 2024 estimate fo scenarios, including a baseline scenario derived from extended moderate recession, a downside scenario refl the baseline scenario, with minimal rate cuts, a tail risk stress testing and an upside scenario that considers the overall weighted economic outlook of the above scenario and early 2024, which has modestly improved compared

estimated as of December 31, 2022 December 31, 2023. The weighted economic outlook assumes that the U.S. average unemployment rate will be just above below five percent by the fourth quarter of 2024 and will remain near this level through the fourth quarter of 2025. Additionally, The weighted economic outlook assumes sluggish growth in this economic outlook, the first half of 2024 with U.S. real gross domestic product is forecasted to grow at 0.5 0.6 percent and at 1.6 1.7 percent year-over-year in the fourth quarters of 2024 and 2025.

The allowance for credit losses increased $418 million decreased $180 million from December 31, 2022 December 31, 2023 to $14.6 billion $14.4 billion at September 30, 2023 March 31, 2024, which included a $921 million reserve increase related to the consumer portfolio and a $503 $111 million reserve decrease related to the commercial portfolio and a $69 million reserve decrease related to the consumer portfolio. The increase in the allowance reflected a reserve build in the Corporation's consumer portfolio primarily due to credit card loan growth and asset quality, partially offset by a reserve release in the Corporation's commercial portfolio decrease was primarily driven by certain commercial due to an improved macroeconomic conditions. The allowance also includes the impact of the accounting change to remove the recognition and measurement guidance on TDRs, which reduced the allowance for credit losses by $243 million on January 1, 2023. outlook. The change in the allowance for credit losses was comprised of a net increase decrease of $605 million $129 million in the allowance for loan and lease losses and a decrease of $187 million $51 million in the reserve for unfunded lending commitments. The decline in the allowance for credit losses was attributed to decreases in the commercial portfolio of $111 million, the consumer real estate

---

portfolio of $56 million, and the credit card and other consumer portfolios of $13 million. The provision for credit losses increased $336 million $388 million to $1.2 billion, and $1.8 billion to $3.3 billion $1.3 billion for the three and nine months ended September 30, 2023 March 31, 2024 compared to the same periods period in 2022. 2023. The provision for credit losses for the current-year periods was driven by the Corporation's consumer portfolio primarily due to credit card loan growth and asset quality, partially offset by certain improved macroeconomic conditions that primarily benefited the Corporation's commercial portfolio. In addition, provision for credit losses for the three months ended September 30, 2023 benefited from commercial net paydowns. For the three-month period in the prior year, the provision for credit losses March 31, 2024 was primarily driven by loan growth and a dampened macroeconomic outlook credit card loans and the nine-month period was driven by the same factors as well as a reserve build related to Russian exposure, partially offset by asset quality improvement and reduced COVID-19 pandemic uncertainties. commercial real estate office portfolio.

Outstanding loans and leases excluding loans accounted for under the fair value option increased $4.9 billion decreased $3.9 billion during the nine

three months ended September 30, 2023 March 31, 202 billion decreased $5.7 billion driven by credit card, partial and securities based lending. Commercial loans increase

The changes in the allowance for credit losses, inclu are detailed in the following table. table below.

	Consumer Real Estate	Credit Card and Other Consumer	Commercial	Total
Consumer Real Estate				

Consumer Real Estate

Consumer Real Estate

Credit Card and Other Consumer

(Dollars in millions) (Dollars in millions)

Three Months Ended September 30, 2023

(Dollars in millions)

Three Months Ended March 31,

(Dollars in millions)				
Three Months Ended September 30, 2023				
Allowance for loan and lease losses, July 1	$ 427	$ 7,323	$ 5,200	$ 12,950
Allowance for loan and lease losses, January 1				
Allowance for loan and lease losses, January 1				
Allowance for loan and lease losses, January 1				
Loans and leases charged off	**(15)**	**(994)**	**(178)**	**(1,187)**
Recoveries of loans and leases previously charged off	**27**	**178**	**51**	**256**
Net charge-offs	**12**	**(816)**	**(127)**	**(931)**
Provision for loan and lease losses	**(28)**	**1,247**	**49**	**1,268**
Other	**1**	**1**	**(2)**	**—**
Allowance for loan and lease losses, September 30	**412**	**7,755**	**5,120**	**13,287**
Reserve for unfunded lending commitments, July 1	**86**	**—**	**1,302**	**1,388**
Provision for unfunded lending commitments	**(1)**	**—**	**(33)**	**(34)**
Other	**—**	**—**	**(1)**	**(1)**
Reserve for unfunded lending commitments, September 30	**85**	**—**	**1,268**	**1,353**
Allowance for credit losses, September 30	**$ 497**	**$ 7,755**	**$ 6,388**	**$ 14,640**
Three Months Ended September 30, 2022				
Allowance for loan and lease losses, July 1	$ 396	$ 6,216	$ 5,361	$ 11,973
Loans and leases charged off	(13)	(696)	(100)	(809)
Recoveries of loans and leases previously charged off	34	216	39	289
Net charge-offs	21	(480)	(61)	(520)
Provision for loan and lease losses				
Provision for loan and lease losses	(37)	760	122	845
Other	4	—	—	4
Allowance for loan and lease losses, September 30	384	6,496	5,422	12,302

Allowance for loan and lease losses, March 31

Reserve for unfunded lending commitments, January 1

Provision for unfunded lending commitments

Reserve for unfunded lending commitments, March 31

Reserve for unfunded lending commitments, March 31

Reserve for unfunded lending commitments, March 31

Allowance for credit losses, March 31

Reserve for unfunded lending commitments, July 1	79	—	1,382	1,461
Provision for unfunded lending commitments	(1)	—	54	53
Other	—	—	1	1
Reserve for unfunded lending commitments, September 30	78	—	1,437	1,515
Allowance for credit losses, September 30	$ 462	$ 6,496	$ 6,859	$ 13,817

(Dollars in millions) **Nine Months Ended September 30, 2023**

Three Months Ended March 31, 2023

Three Months Ended March 31, 2023

Three Months Ended March 31, 2023

Allowance for loan and lease losses, December 31	**Allowance for loan and lease losses, December 31**	**$ 420**	**$ 6,817**	**$ 5,445**	**$ 12,682**
January 1, 2023 adoption of credit loss standard	January 1, 2023 adoption of credit loss standard	**(67)**	**(109)**	**(67)**	**(243)**
Allowance for loan and lease losses, January 1	**Allowance for loan and lease losses, January 1**	**353**	**6,708**	**5,378**	**12,439**
Loans and leases charged off	Loans and leases charged off	**(44)**	**(2,779)**	**(544)**	**(3,367)**
Recoveries of loans and leases previously charged off	Recoveries of loans and leases previously charged off	**81**	**565**	**114**	**760**
Net charge-offs	Net charge-offs	**37**	**(2,214)**	**(430)**	**(2,607)**

Provision for loan and lease losses					
Provision for loan and lease losses					
Provision for loan and lease losses	Provision for loan and lease losses	**14**	**3,259**	**204**	**3,477**
Other	Other	**8**	**2**	**(32)**	**(22)**
Allowance for loan and lease losses, September 30		**412**	**7,755**	**5,120**	**13,287**
Allowance for loan and lease losses, March 31					
Reserve for unfunded lending commitments, January 1					
Reserve for unfunded lending commitments, January 1					
Reserve for unfunded lending commitments, January 1	**Reserve for unfunded lending commitments, January 1**	**94**	**—**	**1,446**	**1,540**
Provision for unfunded lending commitments	Provision for unfunded lending commitments	**(9)**	**—**	**(178)**	**(187)**
Reserve for unfunded lending commitments, September 30		**85**	**—**	**1,268**	**1,353**
Allowance for credit losses, September 30		**$ 497**	**$ 7,755**	**$ 6,388**	**$ 14,640**
		Nine Months Ended September 30, 2022			
Allowance for loan and lease losses, January 1		$ 557	$ 6,476	$ 5,354	$ 12,387
Loans and leases charged off		(196)	(2,007)	(284)	(2,487)
Recoveries of loans and leases previously charged off		195	684	125	1,004
Net charge-offs		(1)	(1,323)	(159)	(1,483)
Provision for loan and lease losses		(179)	1,344	229	1,394
Other		7	(1)	(2)	4
Allowance for loan and lease losses, September 30		384	6,496	5,422	12,302
Reserve for unfunded lending commitments, January 1		96	—	1,360	1,456
Provision for unfunded lending commitments		(18)	—	75	57
Other		—	—	2	2
Reserve for unfunded lending commitments, September 30		78	—	1,437	1,515
Allowance for credit losses, September 30		$ 462	$ 6,496	$ 6,859	$ 13,817
Reserve for unfunded lending commitments, March 31					
Reserve for unfunded lending commitments, March 31					
Reserve for unfunded lending commitments, March 31					

Allowance for credit losses, March 31

NOTE 6 Securitizations and Other Variable Interest Entities

The Corporation utilizes VIEs in the ordinary course of business to support its own and its customers' financing and investing needs. The tables in this Note present Corporation routinely securitizes loans and debt securities using VIEs as a source of funding for the Corporation and as a means of transferring the economic risk of the loans or debt securities to third parties. The assets are transferred into a trust or other securitization vehicle such that the assets and liabilities are legally isolated from the creditors of consolidated and unconsolidated VIEs at September 30, 2023 and December 31, 2022 in situations where the Corporation has continuing involvement with transferred and are not available to satisfy its obligations. These assets can only be used to settle obligations of the trust or if the other securitization vehicle. The Corporation otherwise has a variable interest also administers, structures or invests in the VIE. The tables also present the Corporation's maximum loss

VIEs. The Corporation's maximum loss exposure is based on the unlikely event that all of the assets in the VIEs become worthless and incorporates not only potential losses associated with assets recorded on the Consolidated Balance Sheet but also potential losses associated with off-balance sheet commitments, such as unfunded liquidity commitments and other contractual arrangements. The Corporation's maximum loss exposure does not include losses previously recognized through write-downs of assets.

The Corporation invests in ABS, CLOs and other similar investments issued by third-party VIEs with which it has no other form of involvement and other than a loan or debt security issued by the VIE. In addition, the Corporation also enters into

exposure at September 30, 2023 other VIEs including C from its involvement with consolidated VIEs and unco interest. other entities. For more information on the Corp see *Note 1 – Summary of Significant Accounting Princip Entities* to the Consolidated Financial Statements of the

The tables in this Note present the assets and liabi 2024 and December 31, 2023 in situations where the Co transferred assets or if the Corporation otherwise has a Corporation's maximum loss exposure at March 31, 202 consolidated VIEs and unconsolidated

certain commercial lending arrangements that may also incorporate utilize VIEs for activities secondary to the use of VIEs, lending arrangement, for example to hold collateral.

The Corporation's maximum loss exposure to these VIEs is the investment balances. These securities and loans are included in *Note 4 – Securities* or *Note 5 – Outstanding Loans and Leases and Allowance for Credit Losses. Losses* In addition, and are not included in the Corporation has used VIEs in connection with its funding activities. following tables.

The Corporation did not provide financial support to consolidated or unconsolidated VIEs during the three and nine months ended September 30, 2023 March 31, 2024 or the year ended December 31, 2022 December 31, 2023 that it was not previously contractually required to provide, nor does it intend to do so.

The Corporation had liquidity commitments, including written put options and collateral value guarantees, with certain

unconsolidated VIEs of $950 million $961 million and $978 million $989 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

First-lien Mortgage Securitizations

As part of its mortgage banking activities, the Corporation securitizes a portion of the first-lien residential mortgage loans it originates or purchases from third parties. parties, generally in the form of residential mortgage-backed securities (RMBS) guaranteed by government-sponsored enterprises, FNMA and FHLMC (collectively the GSEs), or the Government National Mortgage Association (GNMA) primarily in the case of FHA-insured and U.S. Department of Veterans Affairs (VA)-guaranteed mortgage loans. Securitization usually occurs in conjunction with or shortly after origination or purchase, and the Corporation may also securitize loans held in its residential

mortgage portfolio. In addition, the Corporation may, fro or purchases from other entities. The Corporation typica may retain beneficial interests in the securitization tru tranches issued by the trusts. Except as described in N does not provide guarantees or recourse to the sec warranties.

The table below summarizes select information relate months ended September 30, 2023 March 31, 2024 and

First-lien Mortgage Securitizations

First-lien Mortgage Securitizations		
	Residential Mortgage - Agency	Commercial Mortgage
First-lien Mortgage Securitizations		

Residential Mortgage - Agency

Residential Mortgage - Agency

Residential Mortgage - Agency

		Three Months Ended September 30		Nine Months Ended September 30		Three Months Ended September 30		Nine Months Ended September 30	
		Three Months Ended March 31							
		Three Months Ended March 31							
(Dollars in millions)		Three Months Ended March 31							
(Dollars in millions)									
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022	**2023**	2022	**2023**	2022
Proceeds from loan sales (1)	Proceeds from loan sales (1)	**$1,220**	$3,259	$3,475	$7,000	**$1,167**	$779	$1,764	$5,194
Gains on securitizations (2)		**(2)**	—	(6)	8	**33**	13	35	39
Proceeds from loan sales (1)									
Proceeds from loan sales (1)									
Gains (losses) on securitizations (2)									
Gains (losses) on securitizations (2)									
Gains (losses) on securitizations (2)									
Repurchases from securitization trusts (3)									
Repurchases from securitization trusts (3)									
Repurchases from securitization trusts (3)	Repurchases from securitization trusts (3)	**10**	21	24	46	**—**	—	—	—

(1) The Corporation transfers residential mortgage loans to securitizations sponsored primarily by the government-sponsored enterprises GSEs or Government National Mortgage Association (GNMA) GNMA in the normal course of business and primarily receive

classified as Level 2 within the fair value hierarchy and are typically sold shortly after receipt.

(2) A majority of the first-lien residential mortgage loans securitized are initially classified as LHFS and accounted for under the fair value option. Gains recognized on these LHFS prior to securitization, which totaled $17 million $5 million and $34 million $10 million,

million March 31, 2024 and $35 million for the same periods in 2022, 2023, are not included in the table above.

(3) The Corporation may have the option to repurchase delinquent loans out of securitization trusts, which reduces the amount of servicing advances it is required to make. The Corporation may also repurchase loans from securitization trusts to perform modifications. F

The Corporation recognizes consumer MSRs from the sale or securitization of consumer real estate loans. The unpaid principal balance of loans serviced for investors, including residential mortgage and home equity loans, totaled $93.5 billion $90.5 billion and $102.6 billion $98.3 billion at September 30, 2023 March 31, 2024 and 2022. 2023. Servicing fee and ancillary fee income on serviced loans was $55 million $62 million and $187 million $69 million during the three and nine months ended September 30, 2023 compared to $71 million March 31, 2024 and $215 million for the same periods in 2022. 2023. Servicing advances on serviced loans, including loans serviced for others and loans held for investment, were $1.2 billion and $1.3 billion at March 31, 2024 and $1.6 billion at

September 30, 2023 and December 31, 2022 December

Value Measurements.

Home Equity Loans

The Corporation retains interests, primarily senior se

transferred home equity loans. In addition, the Corporatio

provide subordinate funding to the trusts during a rapid amortization event. This obligation is included in the maximum loss exposure in the preceding table. The charges that will ultimately be recorded as a result of the rapid amortization events depend on the undrawn portion of the home equity lines of credit, performance of the loans, the amount of subsequent draws and the timing of related cash flows.

Mortgage and Home Equity Securitizations

During the three and nine months ended September 30, 2023, March 31, 2024 and 2023, the Corporation deconsolidated agency residential mortgage securitization trusts with total assets of $35 million $793 million and $659 million compared to $22 million and $585 million for the same periods in 2022. $328 million.

The following table summarizes select information related to first-lien mortgage and home equity securitization trusts in which the Corporation held a variable interest and had continuing involvement at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

First-lien Mortgage VIEs

Mortgage and Home Equity Securitizations

Mortgage and Home Equity Securitizations

Mortgage and Home Equity Securitizations

Residential Mortgage

Residential Mortgage

Residential Mortgage

		Residential Mortgage									
				Non-agency						Commercial	
		Agency		Prime		Subprime		Alt-A		Mortgage	
(Dollars in millions)											
(Dollars in millions)											
(Dollars in millions)	(Dollars in millions)	**Sep 30 2023**	Dec 31 2022	**Sep 30 2023**	Dec 31 2022	**Sep 30 2023**	Dec 31 2022	**Sep 30 2023**	Dec 31 2022	**Sep 30 2023**	Dec 31 2022
Unconsolidated VIEs	**Unconsolidated VIEs**										
Maximum loss exposure (1)	**Maximum loss exposure (1)**	**$ 8,280**	$ 9,112	**$ 83**	$ 91	**$ 655**	$ 735	**$ 9**	$ 28	**$ 1,461**	$ 1,594
On-balance sheet assets	On-balance sheet assets										
Senior securities:	Senior securities:										
Trading account assets	Trading account assets	**$ 284**	$ 232	**$ 4**	$ 3	**$ 20**	$ 25	**$ 7**	$ 26	**$ 17**	$ 91
Debt securities carried at fair value	Debt securities carried at fair value	**2,482**	3,027	**—**	—	**342**	410	**—**	—	**—**	—
Held-to-maturity securities	Held-to-maturity securities	**5,514**	5,853	**—**	—	**—**	—	**—**	—	**1,293**	1,268
All other assets	All other assets	**—**	—	**2**	3	**22**	25	**2**	2	**45**	101

			Non-agency			
	Agency		Prime and Alt-A		Subprime	
	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024	December 3 2023
Unconsolidated VIEs						
On-balance sheet assets						
Senior securities:						

Total retained positions	**$ 8,280**	$ 9,112	**$ 6**	$ 6	**$ 384**	$ 460	**$ 9**	$ 28	**$ 1,355**	$ 1,460
Principal balance outstanding (2)	**$76,572**	$81,644	**$3,589**	$3,973	**$4,600**	$5,034	**$10,650**	$11,568	**$81,080**	$85,101
Consolidated VIEs										
Consolidated VIEs										
Consolidated VIEs										
Maximum loss exposure (1)	**$ 1,914**	$ 1,735	**$ —**	$ —	**$ —**	$ 78	**$ —**	$ —	**$ —**	$ —
On-balance sheet assets										
Trading account assets	**$ 1,914**	$ 1,735	**$ —**	$ —	**$ —**	$ 78	**$ —**	$ —	**$ —**	$ —
Loans and leases, net	**—**	—	**—**	—	**—**	—	**—**	—	**—**	—
Loans and leases										
Allowance for loan and lease losses										
All other assets										
All other assets										
All other assets										
Total assets	**$ 1,914**	$ 1,735	**$ —**	$ —	**$ —**	$ 78	**$ —**	$ —	**$ —**	$ —
Total liabilities	**$ —**	$ —	**$ —**	$ —	**$ —**	$ —	**$ —**	$ —	**$ —**	$ —
Total liabilities										
Total liabilities										

(1) Maximum loss exposure includes obligations under loss-sharing reinsurance and other arrangements for non-agency residential mortgage and commercial mortgage securitizations, but excludes the reserve for representations and warranties obligations and obligations. For more information, see *Note 10 – Commitments and Contingencies* and *Note 14 – Fair Value Measurements*.

(2) Principal balance outstanding includes loans where the Corporation was the transferor to securitization VIEs with which it has continuing involvement, which may include servicing the loans.

(3) For unconsolidated home equity loan VIEs, the maximum loss exposure includes outstanding trust certificates issued by trusts in rapid amortization, net of recorded reserves. For both consolidated and unconsolidated home equity loan VIEs, the maximum los guarantees. For more information, see *Note 10 – Commitments and Contingencies*.

Other Asset-backed Home Equity Loans

The Corporation retains interests, primarily senior securities, in home equity securitization trusts to which it transferred home equity loans. In addition, the Corporation may be obligated to provide subordinate funding to the trusts during a rapid a loss exposure in the preceding table. The charges that w events depend on the undrawn portion of the home eq subsequent draws and the timing of related cash flows.

Mortgage and Home Equity Securitizations

During the three months ended March 31, 2024 and mortgage securitization trusts with total assets of $793 m

The following table below summarizes select inform other asset-backed VIEs securitization trusts in which t involvement at September 30, 2023 March 31, 2024 and

Home Equity Loan, Credit Card and Other Asset-backed VIEs

	Home Equity (1)		Credit Card and Automobile (2)		
(Dollars in millions)	**Sep 30 2023**	Dec 31 2022	**Sep 30 2023**	Dec 31 2022	**Sep 202**
Unconsolidated VIEs					
Maximum loss exposure	**$ —**	$ 119	**$ —**	$ —	**$**
On-balance sheet assets					
Trading account assets	**$ —**	$ —	**$ —**	$ —	**$**
Debt securities carried at fair value	**—**	1	**—**	—	
Held-to-maturity securities	**—**	—	**—**	—	
Total retained positions	**$ —**	$ 1	**$ —**	$ —	**$**

Mortgage and Home Equity Securitizations

	Residential Mortgage			
		Non-agency		
Agency	Prime and Alt-A	Subprime	H

(Dollars in millions)	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024
Total assets of VIEs			$	264 $	326 $	— $	— $
Consolidated VIEs							
Unconsolidated VIEs							
Maximum loss exposure			$	**13** $	32 $	**8,361** $	9,555 $
Maximum loss exposure (1)	$ **7,945**	$ 8,190	$ **87**	$ 92	$ **612**	$ 657	$
On-balance sheet assets							
On-balance sheet assets							
Trading account assets			$	**—** $	— $	**—** $	— $
Senior securities:							
Debt securities carried at fair value				**—**	—	**—**	—
Trading account assets	$ **187**	$ 235	$ **10**	$ 13	$ **20**	$ 20	$
Loans and leases				**34**	97	**15,233**	14,555
Debt securities carried at fair value	**2,433**	2,541	**—**	—	**299**	341	
Allowance for loan and lease losses				**7**	12	**(815)**	(808)
Held-to-maturity securities	**5,325**	5,414	**—**	—	**—**	—	
All other assets				**1**	2	**111**	68
All other assets	**—**	—	**3**	4	**22**	23	
Total assets			$	**42** $	111 $	**14,529** $	13,815 $
Total retained positions	$ **7,945**	$ 8,190	$ **13**	$ 17	$ **341**	$ 384	$
On-balance sheet liabilities							
Principal balance outstanding (2)	$ **74,377**	$ 76,134	$ **13,700**	$ 13,963	$ **4,398**	$ 4,508	$
Short-term borrowings			$	**—** $	— $	**—** $	— $
Consolidated VIEs Long-term debt				**29**	79	**6,156**	4,247
Maximum loss exposure (1)	$ **1,367**	$ 1,164	$ **—**	$ —	$ **—**	$ —	$
All other liabilities				**—**	—	**12**	13
On-balance sheet assets **Total liabilities**			$	**29** $	79 $	**6,168** $	4,260 $
Trading account assets	$ **1,367**	$ 1,171	$ **—**	$ —	$ **—**	$ —	$
Loans and leases	**—**	—	**—**	—	**—**	—	
Allowance for loan and lease losses	**—**	—	**—**	—	**—**	—	
All other assets	**—**	—	**—**	—	**—**	—	
Total assets	$ **1,367**	$ 1,171	$ **—**	$ —	$ **—**	$ —	$
Total liabilities	$ **—**	$ 7	$ **—**	$ —	$ **—**	$ —	$

(1) Maximum loss exposure includes obligations under loss-sharing reinsurance and other arrangements for non-agency residential mortgage and commercial mortgage securitizations, but excludes the reserve for representations and warranties obligations and obligations. For more information, see *Note 10 – Commitments and Contingencies* and *Note 14 – Fair Value Measurements*.

(2) Principal balance outstanding includes loans where the Corporation was the transferor to securitization VIEs with which it has continuing involvement, which may include servicing the loans.

(3) For unconsolidated home equity loan VIEs, the maximum loss exposure includes outstanding trust certificates issued by trusts in rapid amortization, net of recorded reserves. For both consolidated and unconsolidated home equity loan VIEs, the maximum los guarantees. For more information, see *Note 10 – Commitments and Contingencies*.

(2) At September 30, 2023 and December 31, 2022, loans and leases in the consolidated credit card trust included $3.6 billion and $3.3 billion of seller's interest.

(3) The retained senior securities were valued using quoted market prices or observable market inputs (Level 2 of the fair value hierarchy).

Home Equity Loans

The Corporation retains interests, primarily senior securities, in home equity securitization trusts to which it transferred home equity loans. In addition, the Corporation may be obligated to provide subordinate funding to the trusts during a rapid a

loss exposure in the preceding table. The charges that will ultimately be recorded as a result of the rapid amortization events depend on the undrawn portion of the home equity lines of credit, performance of the loans, the amount of subsequent draws and the timing of related cash flows.

Mortgage and Home Equity Securitizations

During the three months ended March 31, 2024 and 2023, the Corporation deconsolidated agency residential mortgage securitization trusts with total assets of $793 million and $328 million.

The following table summarizes select information related to mortgage and home equity securitization trusts in which the Corporation held a variable interest and had continuing involvement at March 31, 2024 and December 31, 2023.

Mortgage and Home Equity Securitizations

	Residential Mortgage						
			Non-agency				
	Agency		Prime and Alt-A		Subprime		H
(Dollars in millions)	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024	December 31 2023	March 31 2024

Unconsolidated VIEs							
Maximum loss exposure (1)	**$ 7,945**	$ 8,190	**$ 87**	$ 92	**$ 612**	$ 657	**$**
On-balance sheet assets							
Senior securities:							
Trading account assets	**$ 187**	$ 235	**$ 10**	$ 13	**$ 20**	$ 20	**$**
Debt securities carried at fair value	**2,433**	2,541	**—**	—	**299**	341	
Held-to-maturity securities	**5,325**	5,414	**—**	—	**—**	—	
All other assets	**—**	—	**3**	4	**22**	23	
Total retained positions	**$ 7,945**	$ 8,190	**$ 13**	$ 17	**$ 341**	$ 384	**$**
Principal balance outstanding (2)	**$ 74,377**	$ 76,134	**$ 13,700**	$ 13,963	**$ 4,398**	$ 4,508	**$**
Consolidated VIEs							
Maximum loss exposure (1)	**$ 1,367**	$ 1,164	**$ —**	$ —	**$ —**	$ —	**$**
On-balance sheet assets							
Trading account assets	**$ 1,367**	$ 1,171	**$ —**	$ —	**$ —**	$ —	**$**
Loans and leases	**—**	—	**—**	—	**—**	—	
Allowance for loan and lease losses	**—**	—	**—**	—	**—**	—	
All other assets	**—**	—	**—**	—	**—**	—	
Total assets	**$ 1,367**	$ 1,171	**$ —**	$ —	**$ —**	$ —	$
Total liabilities	**$ —**	$ 7	**$ —**	$ —	**$ —**	$ —	**$**

(1) Maximum loss exposure includes obligations under loss-sharing reinsurance and other arrangements for non-agency residential mortgage and commercial mortgage securitizations, but excludes the reserve for representations and warranties obligations and obligations. For more information, see *Note 10 – Commitments and Contingencies* and *Note 14 – Fair Value Measurements*.

(2) Principal balance outstanding includes loans where the Corporation was the transferor to securitization VIEs with which it has continuing involvement, which may include servicing the loans.

(3) For unconsolidated home equity loan VIEs, the maximum loss exposure includes outstanding trust certificates issued by trusts in rapid amortization, net of recorded reserves. For both consolidated and unconsolidated home equity loan VIEs, the maximum los guarantees. For more information, see *Note 10 – Commitments and Contingencies*.

Other Asset-backed Securitizations

measured at fair value with changes

The following paragraphs summarize select information related to other asset-backed VIEs in which the Corporation had a variable interest at March 31, 2024 and December 31, 2023.

Credit Card and Automobile Loan Securitizations

The Corporation securitizes originated and purchased credit card and automobile loans as a source of financing. The loans are sold on a non-recourse basis to consolidated trusts. The securitizations are ongoing, whereas additional receivables will be funded into the trusts by either loan repayments or proceeds from securities issued to third parties, depending on the securitization structure. The Corporation's continuing involvement with the securitization trusts includes servicing the receivables and holding various subordinated interests, including an undivided seller's interest in the credit card receivables and owning certain retained interests.

At September 30, 2023 March 31, 2024 and 2022, December 31, 2023, the carrying values of the receivables in the trusts totaled $15.2 billion $18.0 billion and $14.0 $16.6 billion, which are included in loans and leases, and the carrying values of senior debt securities that were issued to third-party investors from the trusts totaled $6.2 $7.6 billion and $3.0 $7.8 billion, which are included in long-term debt.

Resecuritization Trusts

The Corporation transfers securities, typically MBS, into resecuritization VIEs generally at the request of customers seeking securities with specific characteristics. Generally, there are no significant ongoing activities performed in a resecuritization trust, and no single investor has the unilateral ability to liquidate the trust.

The Corporation resecuritized $1.8 billion $2.8 billion and $7.6 billion $1.6 billion of securities during the three and nine months ended September 30, 2023 compared to $5.3 billion March 31, 2024 and $19.5 billion for the same periods in 2022. 2023. Securities transferred into resecuritization VIEs were

in fair value recorded in market making and similar activities prior to the resecuritization and, accordingly, no gain or loss on sale was recorded. During the three and nine months ended September 30, 2023 March 31, 2024 and 2022, 2023, resecuritization proceeds included securities with an initial fair value of $1.1 billion $88 million and $2.1 billion compared to $670 million and $2.4 billion $586 million, of which substantially all of the securities were classified as trading account assets for both periods. Substantially all of the trading account securities carried at fair value were categorized as Level 2 within the fair value hierarchy.

Municipal Bond Trusts

The Corporation administers municipal bond trusts that hold highly-rated, long-term, fixed-rate municipal bonds. The trusts obtain financing by issuing floating-rate trust certificates that reprice on a weekly or other short-term basis to third-party investors.

The Corporation's liquidity commitments to unconsolidated municipal bond trusts, including those for which the Corporation was transferor, totaled $2.0 billion and $2.5 billion at September 30, 2023 and December 31, 2022. The weighted-average remaining life of bonds held in the trusts at September 30, 2023 was 12.3 years. There were no significant write-downs or downgrades of assets or issuers during the nine months ended September 30, 2023 and 2022.

Other Variable Interest Entities

The table below summarizes select information related to other VIEs in which the Corporation held a variable interest at September 30, 2023 and December 31, 2022.

Other VIEs

(Dollars in millions)	Consolidated	Unconsolidated	Total	Consolidated
	September 30, 2023			
Maximum loss exposure	$ 1,840	$ 47,375	$ 49,215	$ 2,
On-balance sheet assets				
Trading account assets	$ 378	$ 2,183	$ 2,561	$
Debt securities carried at fair value	—	125	125	
Loans and leases	1,635	14,447	16,082	2,
Allowance for loan and lease losses	(1)	(71)	(72)	
All other assets	60	30,164	30,224	
Total	$ 2,072	$ 46,848	$ 48,920	$ 2,
On-balance sheet liabilities				
Short-term borrowings	$ 23	$ —	$ 23	$
Long-term debt	209	—	209	
All other liabilities	—	7,104	7,104	
Total	$ 232	$ 7,104	$ 7,336	$

(1) Prior period has been revised to include unconsolidated CLOs.

Customer VIEs

Customer VIEs include credit-linked, equity-linked and commodity-linked note VIEs, repackaging VIEs and asset acquisition VIEs, which are typically created on behalf of customers who wish to obtain market or credit exposure to a specific company, index, commodity or financial instrument.

The Corporation's involvement in the VIE is limited to its loss exposure. The Corporation's maximum loss exposure to consolidated and unconsolidated customer VIEs totaled $832 million $913 million and $914 million $952 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, including the notional amount of derivatives to which the Corporation is a counterparty, net of losses previously recorded, and the Corporation's investment, if any, in securities issued by the VIEs. Total

Municipal Bond Trusts

The Corporation administers municipal bond trusts that hold highly-rated, long-term, fixed-rate municipal bonds. The trusts obtain financing by issuing floating-rate trust certificates that reprice on a weekly or other short-term basis to third-party investors.

The Corporation's liquidity commitments to unconsolidated municipal bond trusts, including those for which the Corporation

was transferor, totaled $1.8 billion and $1.7 billion at March 31, 2024 and December 31, 2023. The weighted-average remaining life of bonds held in the trusts at March 31, 2024 was 12.2 years. There were no significant write-downs or downgrades of assets of or issuers during the consolidated three months ended March 31, 2024 and unconsolidated VIEs were $1.5 billion at both September 30, 2023 and December 31, 2022.

2023.

CDO and CLO Collateralized Debt Obligation VIEs

The Corporation holds investments in unconsolidated receives fees for structuring CDO and CLO VIEs, that which hold diversified pools of fixed-income securities, typically corporate debt or ABS, or non-investment grade corporate loans, which are funded the CDO VIEs fund by issuing multiple tranches of debt instruments and equity securities issued by the VIEs. The VIEs securities. CDOs are generally managed by third-party portfolio managers. The Corporation held $16.2 billion and $16.3 billion of loans and typically transfers assets to these CDOs, holds securities issued by CDO the CDOs and CLO VIEs at September 30, 2023 and December 31, 2022. The Corporation's loss exposure is limited may be a derivative counterparty to its loan and debt security holdings and the notional amount of any derivatives to which the Corporation is a counterparty. CDOs. The Corporation's maximum loss exposure to consolidated and unconsolidated CDOs totaled $86 million and CLOs totaled $16.3 billion $80 million at both September 30, 2023 March 31, 2024 and December 31, 2022, which is insignificant to the total assets of the VIEs. December 31, 2023.

Investment VIEs

The Corporation sponsors, invests in or provides financing, which may be in connection with the sale of assets, to a variety of investment VIEs that hold loans, real estate, debt securities or other financial instruments and are designed to provide the desired investment profile to investors or the Corporation. At September 30, 2023

March 31, 2024 and December 31, 2022 December 31,
total assets of $471 million $99 million and $854 milli
unconsolidated VIEs with total assets of $15.4 billion $
2023 March 31, 2024 and December 31, 2022 Decem
associated with both consolidated and unconsolidated
billion $2.6 billion at September 30, 2023 March 31, 20
primarily of on-balance sheet assets less non-recourse li

Leveraged Lease Trusts

The Corporation's net investment in consolidated leve
September 30, 2023 March 31, 2024 and December
equipment such as rail cars, power generation and distr
structures the trusts and holds a significant residual
maximum loss exposure to the trusts in the unlikely eve
Debt issued by the leveraged lease trusts is non-recours

The table below summarizes the maximum loss expo
asset-backed VIEs at March 31, 2024 and December 31

Other Asset-backed VIEs

(Dollars in millions)	Credit Card and Automobile (1) March 31 2024	Credit Card and Automobile (1) December 31 2023	Resecuritization Trusts and Customer VIEs March 31 2024	Resecuritization Trusts and Customer VIEs December 31 2023	March 3 2024
Unconsolidated VIEs					
Maximum loss exposure	**$ —**	$ —	**$ 4,254**	$ 4,494	**$**
On-balance sheet assets					
Securities (2):					
Trading account assets	**$ —**	$ —	**$ 484**	$ 626	**$**
Debt securities carried at fair value	**—**	—	**882**	920	
Held-to-maturity securities	**—**	—	**2,177**	2,237	
Loans and leases	**—**	—	**—**	—	
Allowance for loan and lease losses	**—**	—	**—**	—	
All other assets	**—**	—	**711**	711	
Total retained positions	**$ —**	$ —	**$ 4,254**	$ 4,494	**$**
Total assets of VIEs	**$ —**	$ —	**$ 14,285**	$ 15,862	**$**
Consolidated VIEs					
Maximum loss exposure	**$ 9,662**	$ 8,127	**$ 401**	$ 1,240	**$**
On-balance sheet assets					
Trading account assets	**$ —**	$ —	**$ 922**	$ 1,798	**$**
Debt securities carried at fair value	**—**	—	**—**	—	
Loans and leases	**18,002**	16,640	**—**	—	
Allowance for loan and lease losses	**(926)**	(832)	**—**	—	
All other assets	**175**	163	**38**	38	
Total assets	**$ 17,251**	$ 15,971	**$ 960**	$ 1,836	**$**
On-balance sheet liabilities					
Short-term borrowings	**$ —**	$ —	**$ —**	$ —	**$**
Long-term debt	**7,571**	7,825	**559**	596	
All other liabilities	**18**	19	**—**	—	
Total liabilities	**$ 7,589**	$ 7,844	**$ 559**	$ 596	**$**

(1) At March 31, 2024 and December 31, 2023 loans and leases in the consolidated credit card trust included $4.8 billion and $3.2 billion of seller's interest.

(2) The retained senior securities were valued using quoted market prices or observable market inputs (Level 2 of the fair value hierarchy).

Tax Credit VIEs

The Corporation holds equity investments in unconsolidated limited partnerships and similar entities that construct, own and operate affordable housing, renewable energy and certain other projects. The total assets of these unconsolidated tax credit VIEs were $81.7 billion $82.7 billion and $74.8 billion $84.1 billion as of September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. An unrelated third party is typically the general partner or managing member and has control over the significant activities of the VIE. As an investor, tax credits

environmental, social and governance investments in affordable housing are recognized ratably over a term of up to 10 years, and tax credits from renewable energy investments are recognized either at inception for transactions electing Investment Tax Credits

associated with the investments in these entities are al
Revenue Code and related regulations, and are recogni
Statement of Income in the year they are earned, which v

(ITCs) or as energy is produced for transactions electing Production Tax Credits (PTCs), which is generally up to a 10-year time period. The volume and types of investments held by the Corporation will influence the amount of tax credits recognized each period.

The Corporation's equity investments in affordable housing and other projects totaled $14.9 billion $15.8 billion at both March 31, 2024 and $14.7 billion at September 30, 2023 and December 31, 2022 December 31, 2023, which included unfunded capital contributions of $6.8 billion $7.1 billion and $6.9 billion and $7.2 billion that are probable to be paid over the next five years. The Corporation may be asked to invest additional amounts to support a troubled affordable housing project. Such additional investments have not been and are not expected to be significant. During the three and nine months ended September 30, 2023, March 31, 2024 and 2023, the Corporation recognized tax credits and other tax benefits related to affordable housing and other tax credit equity investments of $526 million $576 million and $1.6 billion compared to $457 million and $1.3 billion for the same periods in 2022, $527 million and reported pretax losses in other income of $379 million $412 million and $1.1 billion compared to $350 million and $1.0 billion for the same periods in 2022. $372 million. The Corporation's equity investments in renewable energy totaled $13.9 billion $13.7 billion and $14.2 billion at both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. In addition, the Corporation had unfunded capital contributions for renewable energy investments of $6.5 billion $5.9 billion and $1.9 billion $6.2 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, which are contingent on various conditions precedent to funding over the next two years. The Corporation's risk of loss is generally mitigated by policies requiring the project to qualify for the expected tax credits prior to making its investment. During the three and nine months ended September 30, 2023, March 31, 2024 and 2023, the Corporation recognized tax credits and other tax benefits related to renewable energy equity investments of $1.3 billion $1.0 billion and $3.4 billion compared to $527 million and $2.0 billion for the same periods in 2022 $996 million and reported pretax losses in other income of $849 million $664 million and $2.0 billion compared to $337 million and $1.4 billion for the same periods in 2022. $561 million. The Corporation may also enter into power purchase agreements with renewable energy tax credit entities.

The maximum loss exposure for table below summarizes select information related to unconsolidated tax credit VIEs was $28.8 billion in which the Corporation held a variable interest at both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Unconsolidated Tax Credit VIEs

(Dollars in millions)	March 31 2024
Maximum loss exposure	**$ 29,50**
On-balance sheet assets	
All other assets	**29,50**
Total	**$ 29,50**
On-balance sheet liabilities	
All other liabilities	**7,14**
Total	**$ 7,14**
Total assets of VIEs	**$ 82,65**

NOTE 7 Goodwill and Intangible Assets

Goodwill

The following table below presents goodwill balances by business segment at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The reporting units utilized for goodwill impairment testing are the operating segments or one level below.

Goodwill

(Dollars in millions)				
Consumer Banking				
Global Wealth Investment Management		9,677		9,677
Global Banking				
Global Markets				
Total goodwill	**$**	**69,021**	$	69,022

Goodwill

(Dollars in millions)
Consumer Banking
Global Wealth & Investment Management
Global Banking
Global Markets
Total goodwill

Intangible Assets

At September 30, 2023 both March 31, 2024 and Dec intangible assets was $2.0 billion and $2.1 billion. $ December 31, 2022 December 31, 2023, intangible a trade names, substantially all of which had an indefinit intangibles expense was $20 million for both the three and $59 million for both the nine months ended Septe

NOTE 8 Leases

The Corporation enters into both lessor and lessee a *Note 1 – Summary of Significant Accounting Prin* Statements of the Corporation's 2022 2023 Annual R receivables, see *Note 5 – Outstanding Loans and Lea*

Lessor Arrangements

The Corporation's lessor arrangements primarily co equipment. Lease agreements may include options to the end of the lease term.

The table below presents the net investment in sales-type and direct financing leases at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Net Investment (1)

Net Investment (1)

Net Investment (1)	*Net Investment (1)*	September 30 2023	December 31 2022
(Dollars in millions)	(Dollars in millions)		
(Dollars in millions)			
(Dollars in millions)			
Lease receivables			
Lease receivables			
Lease receivables	Lease receivables	**$ 15,580**	$ 15,123
Unguaranteed residuals	Unguaranteed residuals	**2,291**	2,143
Unguaranteed residuals			
Unguaranteed residuals			
Total net investment in sales-type and direct financing leases	Total net investment in sales-type and direct financing leases	**$ 17,871**	$ 17,266
Total net investment in sales-type and direct financing leases			
Total net investment in sales-type and direct financing leases			

(1) In certain cases, the Corporation obtains third-party residual value insurance to reduce its residual asset risk. The carrying value of residual assets with third-party residual value insurance for at least a portion of the asset value was $6.6 billion $6.9 billion and $6.5
31, 2023.

The table below presents lease income for the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023.

Lease Income

(Dollars in millions)	Three Months Ended September 30 2023	Three Months Ended September 30 2022	Nine Months Ended September 30 2023	Nine Months Ended September 30 2022
Sales-type and direct financing leases	**$ 206**	$ 149	**$ 559**	$ 428
Operating leases	**233**	241	**705**	704
Total lease income	**$ 439**	$ 390	**$ 1,264**	$ 1,132

Lease Income

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions) **2024** **2023**

Lessee Arrangements

The Corporation's lessee arrangements predominantly consist of operating leases for premises and equipment; the Corporation's financing leases are not significant.

The table below provides information on the right-of-use assets and lease liabilities at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Lessee Arrangements

(Dollars in millions)	September 30 2023	December 31 2022
Right-of-use asset	**$ 9,187**	$ 9,755
Lease liabilities	**9,799**	10,359

Lessee Arrangements

(Dollars in millions)	March 31 2024
Right-of-use assets	$
Lease liabilities	

NOTE 9 Securities Financing Agreements, Collateral and Restricted Cash

The Corporation enters into securities financing agreements which include securities borrowed or purchased under agreements to resell and securities loaned or sold under agreements to repurchase. These financing agreements (also referred to as "matched-book transactions") are to accommodate customers, obtain securities to cover short positions and finance inventory positions. The Corporation

elects to account for certain securities financing agreem fair value option, see *Note 15 – Fair Value Option*.

Offsetting of Securities Financing Agreeme

The Securities Financing Agreements table presents se Balance

Sheet in federal funds sold and securities borrowed or purchased under agreements to resell, and in federal funds purchased and securities loaned or sold under agreements to repurchase at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. Balances are presented on a gross basis, prior to the application of counterparty netting. Gross assets and liabilities are adjusted on an aggregate basis to take into consideration the effects of legally enforceable master netting agreements. For more information on the offsetting of derivatives, see *Note 3 – Derivatives.* For more information on the securities financing agreements and the offsetting of securities financing transactions, see *Note 10 – Securities Financing Agreements, Short-term Borrowings, Collateral and Restricted Cash* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Securities Financing Agreements

Securities Financing Agreements

(Dollars in millions)	(Dollars in millions)		Gross Assets/Liabilities (1)	Amounts Offset	Net Balance Sheet Amount		Financial Instruments (2)		Net Assets/Liabilities
		September 30, 2023							
Securities borrowed or purchased under agreements to resell (3)	Securities borrowed or purchased under agreements to resell (3)	$	651,337	$(342,088)	$ 309,249	$	(283,835)	$	25,414

(Dollars in millions)	Gross Assets/Liabilities (1)	Amounts Offset	Net Balance Sheet Amount	Financial
	March 31, 2024			

Gross Assets/Liabilities (1)

Gross Assets/Liabilities (1)

Securities loaned or sold under agreements to repurchase	Securities loaned or sold under agreements to repurchase	**$**	**642,791**	**$(342,088)**	**$300,703**	**$**	**(285,522)**	**$**	**15,181**
Securities loaned or sold under agreements to repurchase									
Securities loaned or sold under agreements to repurchase									
Other (4)	Other (4)		**8,304**	**—**	**8,304**		**(8,304)**		**—**
Total	**Total**	**$**	**651,095**	**$(342,088)**	**$309,007**	**$**	**(293,826)**	**$**	**15,181**
				December 31, 2022					
				December 31, 2023					
				December 31, 2023					
				December 31, 2023					
Securities borrowed or purchased under agreements to resell (3)	Securities borrowed or purchased under agreements to resell (3)	$	597,847	$(330,273)	$267,574	$	(240,120)	$	27,454
Securities loaned or sold under agreements to repurchase	Securities loaned or sold under agreements to repurchase	$	525,908	$(330,273)	$195,635	$	(183,265)	$	12,370
Securities loaned or sold under agreements to repurchase									
Securities loaned or sold under agreements to repurchase									
Other (4)	Other (4)		8,427	—	8,427		(8,427)		—
Total	**Total**	$	534,335	$(330,273)	$204,062	$	(191,692)	$	12,370

(1) Includes activity where uncertainty exists as to the enforceability of certain master netting agreements under bankruptcy laws in some countries or industries.

(2) Includes securities collateral received or pledged under repurchase or securities lending agreements where there is a legally enforceable master netting agreement. These amounts are not offset on the Consolidated Balance Sheet, but are shown as a reduc enforceability of the master netting agreements is uncertain is excluded from the table.

(3) Excludes repurchase activity of $8.6 billion $9.4 billion and $8.7 billion reported in loans and leases on the Consolidated Balance Sheet at September 30, 2023 for March 31, 2024 and December 31, 2022 December 31, 2023.

(4) Balance is reported in accrued expenses and other liabilities on the Consolidated Balance Sheet and relates to transactions where the Corporation acts as the lender in a securities lending agreement and receives securities that can be pledged as collateral or securities received, and a liability, representing the obligation to return those securities.

Repurchase Agreements and Securities Loaned Transactions Accounted for as Secured Borrowings

The following tables present securities sold under agreements to repurchase and securities loaned by remaining contractual term to maturity and class of collateral pledged. Included in "Other" are transactions where the Corporation acts as the lender in a securities lending agreement and receives securities that can be pledged as collateral or sold. Certain agreements contain a right to substitute collateral and/or terminate the agreement prior to maturity at the option of the Corporat table below based on the remaining contractual term to r *Note 10 – Securities Financing Agreements, Short-* Consolidated Financial Statements of the Corporation's

Remaining Contractual Maturity

(Dollars in millions)		Overnight and Continuous		30 Days or Less		After 30 Days Through 90 Days
						September 30, 2023
Securities sold under agreements to repurchase	**$**	**257,669**	**$**	**167,947**	**$**	**78,648**

Securities loaned	74,247	152	971
Other	8,304	—	—
Total	$ 340,220	$ 168,099	$ 79,619

Remaining Contractual Maturity

(Dollars in millions)	Overnight and Continuous	30 Days or Less	After 30 Days Through 90 Days
			March 31, 2024
Securities sold under agreements to repurchase	$ 199,560	$ 291,231	$ 93,539
Securities loaned	78,199	157	932
Other	12,144	—	—
Total	$ 289,903	$ 291,388	$ 94,471
			December 31, 2023
Securities sold under agreements to repurchase	$ 234,974	$ 228,627	$ 85,176
Securities loaned	76,580	139	618
Other	10,066	—	—
Total	$ 321,620	$ 228,766	$ 85,794

			December 31, 2022
Securities sold under agreements to repurchase	$ 200,087	$ 181,632	$ 41,666
Securities loaned	66,909	288	1,139
Other	8,427	—	—
Total	$ 275,423	$ 181,920	$ 42,805

(1) No agreements have maturities greater than four years.

Class of Collateral Pledged

Class of Collateral Pledged

Class of Collateral Pledged

(Dollars in millions)	Securities Sold Under Agreements to Repurchase	Securities Loaned	Other	Total
	September 30, 2023			
U.S. government and agency securities	$ 310,064	$ —	$ 20	$ 310,084
Corporate securities, trading loans and other	20,488	778	7	21,273

(Dollars in millions)	Securities Sold Under Agreements to Repurchase	Securities Loaned	Other
	March 31, 2024		

Equity securities	Equity securities	**7,410**	**78,896**	**8,260**	**94,566**
Non-U.S. sovereign debt	Non-U.S. sovereign debt	**220,382**	**—**	**17**	**220,399**
Mortgage trading loans and ABS	Mortgage trading loans and ABS	**4,773**	**—**	**—**	**4,773**
Total	**Total**	**$ 563,117**	**$ 79,674**	**$8,304**	**$651,095**

		December 31, 2022			
		December 31, 2023			
		December 31, 2023			
		December 31, 2023			
U.S. government and agency securities	U.S. government and agency securities	$ 193,005	$ 18	$ —	$193,023
Corporate securities, trading loans and other	Corporate securities, trading loans and other	14,345	2,896	317	17,558
Equity securities	Equity securities	10,249	69,432	8,110	87,791
Non-U.S. sovereign debt	Non-U.S. sovereign debt	232,171	70	—	232,241
Mortgage trading loans and ABS	Mortgage trading loans and ABS	3,722	—	—	3,722
Total	**Total**	$ 453,492	$ 72,416	$8,427	$534,335

Collateral

The Corporation accepts securities and loans as collateral that it is permitted by contract or practice to sell or repledge. At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the fair value of this collateral was $852.7 billion $978.3 billion and $827.6 billion $911.3 billion, of which $820.9 billion $941.8 billion and $764.1 billion was $870.9 billion were sold or repledged. The primary source of this collateral is securities borrowed or purchased under agreements to resell. For more information on collateral, see *Note 10 – Securities Financing Agreements, Short-term Borrowings, Collateral and Restricted Cash* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

Restricted Cash

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation held restricted cash included within cash and cash equivalents on the Consolidated Balance Sheet of $6.1 billion $5.3 billion and $7.6 billion $5.6 billion, predominantly related to cash segregated in compliance with securities regulations and cash held on deposit with central banks to meet reserve requirements.

NOTE 10 Commitments and Contingencies

In the normal course of business, the Corporation enters into a number of off-balance sheet commitments. These commitments expose the Corporation to varying degrees of credit and market risk and are subject to the same credit and market risk limitation reviews as those instruments recorded on t commitments and contingencies, see *Note 12 – Com* Statements of the Corporation's 2022 2023 Annual Repo

Credit Extension Commitments

The Corporation enters into commitments to extend credit such as loan commitments, standby letters of credit (SBLCs) and commercial letters of credit to meet the financing needs of its customers. The following table includes the notional amount of unfunded legally binding lending commitments net of amounts distributed (i.e., syndicated or participated) to other financial institutions. The distributed amounts were $10.6 billion $9.9 billion and $10.4 billion $10.3 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023. The carrying value of the Corporation's credit extension commitments at September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023, excluding commitments accounted for under the fair value option, was $1.4 billion and $1.6 billion $1.2 billion, which predominantly related to the reserve for unfunded lending commitments. The carrying value of these commitments is classified in accrued expenses and other liabilities on the Consolidated Balance Sheet.

Legally binding commitments to extend credit generally have specified rates and maturities. Certain of these commitments have adverse change clauses that help to protect the Corporation against deterioration in the borrower's ability to pay.

The following table below includes the notional amount of commitments of $1.8 billion $3.1 billion and $3.0 billion $2.6 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 that are accounted for under the fair value option. However, the table excludes the cumulative net fair value for these commitments of $62 million $78 million and $110 million $67 million at September 30, 2023 March 31, 2024 and December expenses and other liabilities. For more information re under the fair value option, see *Note 15 – Fair Value Opt*

Credit Extension Commitments	***Credit Extension Commitments***	
Credit Extension Commitments		
Credit Extension Commitments		
		Expire in One Year or Less

(Dollars in millions)	Expire in One Year or Less	Expire After One Year Through Three Years	Expire After Three Years Through Five Years	Expire After Five Years	Total
	September 30, 2023				
Notional amount of credit extension commitments					
Loan commitments (1)	**$127,520**	**$182,325**	**$206,569**	**$14,204**	**$ 530,618**
Home equity lines of credit	**2,328**	**8,975**	**11,403**	**22,273**	**44,979**
Standby letters of credit and financial guarantees (2)	**21,131**	**9,821**	**2,691**	**505**	**34,148**
Letters of credit	**888**	**32**	**257**	**25**	**1,202**
Other commitments (3)	**5**	**46**	**118**	**1,056**	**1,225**
Legally binding commitments	**151,872**	**201,199**	**221,038**	**38,063**	**612,172**
Credit card lines (4)	**440,277**	**—**	**—**	**—**	**440,277**
Total credit extension commitments	**$592,149**	**$201,199**	**$221,038**	**$38,063**	**$1,052,449**

(Dollars in millions) Notional amount of credit extension commitments Expire After One Year Through Three Years Mar

	Expire in One Year or Less	Expire After One Year Through Three Years	Expire After Three Years Through Five Years	Expire After Five Years	Total
	December 31, 2022				
Notional amount of credit extension commitments					
Loan commitments (1)	$113,962	$162,890	$221,374	$13,667	$ 511,893
Home equity lines of credit	1,479	7,230	11,578	22,154	42,441
Standby letters of credit and financial guarantees (2)	22,565	9,237	2,787	628	35,217
Letters of credit	853	46	52	49	1,000
Other commitments (3)	5	93	71	1,103	1,272
Legally binding commitments	138,864	179,496	235,862	37,601	591,823
Credit card lines (4)	419,144	—	—	—	419,144
Total credit extension commitments	$558,008	$179,496	$235,862	$37,601	$1,010,967

Notional amount of credit extension commitments Dece

(1) At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, $3.7 billion $4.3 billion and $2.6 billion $3.1 billion of these loan commitments were held in the form of a security.

(2) The notional amounts of SBLCs and financial guarantees classified as investment grade and non-investment grade based on the credit quality of the underlying reference name within the instrument were $23.6 billion $24.0 billion and $9.8 billion $9.3 billion at Sept 2022 December 31, 2023. Amounts in the table include consumer SBLCs of $714 million $795 million and $575 million $744 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(3) Primarily includes second-loss positions on lease-end residual value guarantees.

(4) Includes business card unused lines of credit.

Other Commitments

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had commitments to purchase loans (e.g., residential mortgage and commercial real estate) of $788 million $432 million and $636 million $822 million, which upon settlement will be included in trading account assets, loans or LHFS, and commitments to purchase commercial loans of $452 million $1.2 billion and $294 million $420 million, which upon settlement will be included in trading account assets.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had commitments to enter into resale and forward-dated resale and securities borrowing agreements of $128.3 billion $142.9 billion and $92.0 billion $117.0 billion, and commitments to enter into forward-dated repurchase and securities lending agreements of $73.2 billion $121.9 billion and $57.8 billion $63.0 billion. A significant portion of these commitments will expire within the next 12 months.

At September 30, 2023 both March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had a commitment to originate or purchase up to $4.0 billion and $3.7 billion on a rolling 12-month basis, of auto loans and leases from a strategic partner. This commitment extends through November 2026 and can be terminated with 12 months prior notice.

At September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had unfunded equity investment commitments of $900 million $473 million and $571 million $477 million.

As a Federal Reserve member bank, the Corporation is required to subscribe to a certain amount of shares issued by its Federal Reserve district bank, which pays cumulative dividends at a prescribed rate. As of September 30, 2023 At both March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation had paid $5.4 billion for half of its subscribed shares, with the remaining half subject to

call by the Federal Reserve district bank board, which the

Other Guarantees

Bank-owned Life Insurance Book Value Protection

The Corporation sells products that offer book value protection to insurance carriers who offer group life insurance policies to corporations, primarily banks. At both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the notional amount of these guarantees totaled $4.3 billion $3.5 billion and $3.8 billion. At both September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023, the Corporation's maximum exposure related to these guarantees totaled $632 million $527 million and $577 million, with estimated maturity dates between 2033 and 2039. 2037.

Merchant Services

The Corporation in its role as merchant acquirer or as a sponsor of other merchant acquirers may be held liable for any reversed charges that cannot be collected from the merchants due to, among other things, merchant fraud or insolvency. If charges are properly reversed after a purchase and cannot be collected from either the merchants or merchant acquirers, the Corporation may be held liable for these reversed charges. The ability to reverse a charge is primarily governed by the applicable payment network rules and regulations, which include, but are not limited to, the type of charge, type of payment used and time limits. The total amount of transactions subject to reversal under payment network rules and regulations processed for the preceding six-month period, which was approximately $412 billion $324 billion, is an estimate of the Corporation's maximum potential exposure as of September 30, 2023 March 31, 2024. The Corporation's risk in this

area primarily relates to circumstances where a cardholder has purchased goods or services for future delivery. The Corporation mitigates this risk by requiring cash deposits, guarantees, letters of credit or other types of collateral from certain merchants. The Corporation's reserves for contingent losses, and the losses incurred related to the merchant processing activity were not significant.

Representations and Warranties Obligations and Corporate Guarantees

For more information on representations and warranties obligations and corporate guarantees, see *Note 12 – Commitments and Contingencies* to the Consolidated Financial Statementsof the Corporation's 2022 2023 Annual Report on Form 10-K.

The reserve for representations and warranties obligations and corporate guarantees was $621 million $305 million and $612 $604 million at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023 and is included in accrued expenses and other liabilities on the Consolidated Balance Sheet, and the related provision is included in other income in the Consolidated Statement of Income. The representations and warranties reserve represents the Corporation's best estimate of probable incurred losses, is based on its experience in previous negotiations, and is subject to judgment, a variety of assumptions and known or unknown uncertainties. Future representations and warranties losses may occur in excess of the amounts recorded for these exposures; however, the Corporation does not expect such amounts to be material to the Corporation's financial condition and liquidity. See Litigation and Regulatory Matters below for the Corporation's combined range of possible loss in excess of the reserve for representations and warranties and the accrued liability for litigation.

Fixed Income Clearing Corporation Sponsored Member Repo Program

The Corporation acts as a sponsoring member in a repo program whereby the Corporation clears certain eligible resale and repurchase agreements through the Government Securities Division of the Fixed Income Clearing Corporation on behalf of clients that are sponsored members in accordance with the Fixed Income Clearing Corporation's rules. As part of this program, the Corporation guarantees the payment and performance of its sponsored members to the Fixed Income Clearing Corporation. The Corporation's guarantee obligation is secured by a security interest in cash or high-quality securities collateral placed by clients with the clearinghouse and therefore, the potential for the Corporation to incur significant losses under this arrangement is remote. The Corporation's maximum potential exposure, without taking into consideration the related collateral, was $43.6 billion $104.2 billion and $59.6 billion $132.5 billion at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

Other Guarantees

In the normal course of business, the Corporation periodically guarantees the obligations of its affiliates in a variety of transactions including ISDA-related transactions and non-ISDA related transactions such as commodities trading, repurchase agreements, prime brokerage agreements and other transactions.

Guarantees of Certain Long-term Debt

The Corporation, as the parent company, fully and unconditionally guarantees the securities issued by BofA Finance LLC, a consolidated finance subsidiary of the Corporation, and effectively provides for the full and

unconditional guarantee of trust securities and capital s
100 percent owned finance subsidiaries of the Corporatio

Other Contingencies

On May 11, 2023, During the first quarter of 2024, th
proposed rule that would impose a special

assessment to recover increased its estimate of the loss to the Deposit Insurance Fund (DIF) arising from the protection of uninsured depositors closures of Silicon Valley Bank and Signature Bank associated with their closures, and Bank. The estimated loss to the systemic risk determination announced by DIF will be recovered through the collection of a special assessment from certain insured depository institutions. Accordingly, the Corporation recorded a pretax charge of $700 million in other general operating expenses to increase its accrual to $2.8 billion for the Corporation's estimated share of the FDIC on March 12, 2023. While the timing and amount of any expense recognition are unknown until the proposed rule is finalized, if the final rule is issued as proposed, the estimated impact special assessment. The Corporation's share of the special assessment on will remain subject to change as new information or updates to the Corporation would be a noninterest expense of approximately $1.9 billion that would be recognized upon finalization of estimated loss to the rule, which could occur in the fourth quarter of 2023. DIF become available.

Litigation and Regulatory Matters

The following disclosures supplement the disclosure in *Note 12 – Commitments and Contingencies* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K (the prior commitments and contingencies disclosure).

In the ordinary course of business, the Corporation and its subsidiaries are routinely defendants in or parties to many pending and threatened legal, regulatory and governmental actions and proceedings. In view of the inherent difficulty of predicting the outcome of such matters, particularly where the claimants seek very large or indeterminate damages or where the matters present novel legal theories or involve a large number of parties, the Corporation generally cannot predict the eventual outcome of the pending matters, timing of the ultimate resolution of these matters, or eventual loss, fines or penalties related to each pending matter.

As a matter develops, the Corporation, in conjunction with any outside counsel handling the matter, evaluates whether such matter presents a loss contingency that is probable and estimable, and, for the matters disclosed below and in the prior commitments and contingencies disclosure, whether a loss in excess of any accrued liability is reasonably possible in future periods. Once the loss contingency is deemed to be both probable and estimable, the Corporation will establish an accrued liability and record a corresponding amount of litigation-related expense. The Corporation continues to monitor the matter for further developments that could affect the amount of the accrued liability that has been previously established. Excluding expenses of internal and external legal service providers, litigation and regulatory investigation-related expense of $76 million $97 million and $442 million $89 million was recognized for the three and nine months ended September 30, 2023 compared to $507 million March 31, 2024 and $1.1 billion for the same periods in 2022. 2023.

For any matter disclosed in this Note and in the prior commitments and contingencies disclosure for which a loss in future periods is reasonably possible and estimable (whether in excess of an accrued liability or where there is no accrued liability) and for representations and warranties exposures, the Corporation's estimated range of possible loss is $0 to $0.8 billion in excess of the accrued liability, if any, as of September 30, 2023 March 31, 2024.

The accrued liability and estimated range of possible loss are based upon currently available information and subject to significant judgment, a variety of assumptions and known and unknown uncertainties. The matters underlying the accrued liability and estimated range of possible loss are unpredictable and may change from time to time, and actual losses may vary significantly from the current estimate and accrual. The estimated range of possible loss does not represent the Corporation's maximum loss exposure.

Information is provided below and in the prior commitments and contingencies disclosure regarding the nature of the litigation and, where specified, associated claimed damages.

Based on current knowledge, and taking into account accrued liabilities, management does not believe that loss contingencies arising from pending matters, including the matters described below and in the prior commitments and contingencies disclosure, will have a material adverse effect on the consolidated financial condition or liquidity of the Corporation. However, in light of the significant judgment, variety of assumptions and uncertainties involved in those matters, some of which are beyond the Corporation's control, and the very large or indeterminate damages sought in some of those matters, an adverse outcome in one or more of those matters could be material to the Corporation's business or results of operations for any particular reporting period, or cause significant reputational harm.

Deposit Insurance Assessment

On April 10, 2023, the magistrate judge issued a report and recommendation (the Report) for resolving the parties' pending summary judgment motions. The Report recommends granting the FDIC motion for summary judgment on BANA's statutory liability for the unpaid assessments, subject to BANA's statute of limitations defenses to assessments for the quarters ended March 31, 2012 through March 31, 2013, on which the Report recommends that relevant issues should be resolved at trial. The Report also recommends denying BANA's counterclaims challenging the adoption of the relevant assessment regulations and granting BANA's motion for summary judgment on the FDIC's claims for unjust enrichment and disgorgement. The Report has been submitted to the district court judge for consideration, and the parties have filed objections to the recommendations in the Report.

Representment Non-sufficient Fund Fees

On July 11, 2023, it was announced that BANA agreed to settle two separate proceedings with the Office of the Comptroller of the Currency (OCC) and Consumer Financial Protection Bureau (CFPB) related to BANA's assessing overdraft or insufficient funds fees each time a merchant resubmitted a transaction or check for payment after it had been declined due to insufficient funds (Representment Fees). Without admitting or denying the findings, BANA consented to orders requiring it to pay penalties of $60 million to each of the OCC and CFPB. Under the CFPB Consent Order, among other things, BANA also consented to refund at least $80 million to customers who were assessed Representment Fees between September 1, 2018 to February 18, 2022.

Credit Card Sales and Marketing Practices

On July 11, 2023, it was announced that BANA agreed to a settlement with the CFPB related to online advertisements concerning bonuses linked to rewards credit cards and failure to provide those bonuses to certain consumers, and applying for and opening credit cards for consumers without their consent and obtaining credit reports for those consumers. Without admitting or denying the findings, BANA agreed to the entry of a Consent Order requiring payment of a $30 million penalty and certain undertakings concerning consumer redress.

Unemployment Insurance Prepaid Cards

BANA has been named as a defendant in a number of
multiple states related to its administration of prepaid de
These lawsuits generally assert claims for monetary d
lawsuits related to the California program, the largest pr
number of participants, have been consolidated into a
Southern District of California. On May 25, 2023, the co
others to proceed, and plaintiffs subsequently filed an
certain of the remaining claims in the amended complain

NOTE 11 Shareholders' Equity

Common Stock

Declared Quarterly Cash Dividends on Commo

Declaration Date	Record Date
October 18, 2023 April 25, 2024	December 1, 2023 June 7, 2024
July 19, 2023	September 1, 2023 January 31, 20

(1) In 2023, 2024, and through October 31, 2023 April 30, 2024.

During the three and nine months ended September 30, 2023 March 31, 2024, the Corporation repurchased and retired 33 million and 119 million 73 million shares of common stock, which reduced shareholders' equity by $1.0 billion and $3.8 billion $2.5 billion.

During the nine three months ended September 30, 2023 March 31, 2024, in connection with employee stock plans, the Corporation issued 73 million 70 million shares of its common stock and, to satisfy tax withholding obligations, repurchased 28 million 26 million shares of its common stock. At September 30, 2023 March 31, 2024, the Corporation had reserved 496 million 429 million unissued shares of common stock for future issuances under employee stock plans, convertible notes and preferred stock.

On October 18, 2023 April 25, 2024, the Board of Directors declared a quarterly common stock dividend of $0.24 per share.

Preferred Stock

During the three months ended September 30, 2023, June 30, 2023 and March 31, 2023 March 31, 2024, the Corporation declared $531 million, $306 million and $505 million $532 million of cash dividends on preferred stock, or a total of $1.3 billion for the nine months ended September 30, 2023. stock. For more information on the Corporation's preferred stock, including liquidation preference, dividend requirements and redemption period, see *Note 13 – Shareholders' Equity* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

NOTE 12 Accumulated Other Comprehensive Income (Loss)

The table below presents the changes in accumulated OCI after-tax for the nine three months ended September 30, 2023 March 31, 2024 and 2022. 2023.

(Dollars in millions)	(Dollars in millions)	Debt Securities	Debit Valuation Adjustments	Derivatives	Employee Benefit Plans	Foreign Currency	Total
Balance, December 31, 2021		$ 3,045	$ (1,636)	$ (1,880)	$ (3,642)	$ (991)	$ (5,104)
Net change		(6,381)	1,298	(10,890)	97	(47)	(15,923)
Balance, September 30, 2022		$ (3,336)	$ (338)	$ (12,770)	$ (3,545)	$ (1,038)	$(21,027)
(Dollars in millions)							
(Dollars in millions)		Debt Securities	Debit Valuation Adjustments	Derivatives			
Balance, December 31, 2022	**Balance, December 31, 2022**	$ (2,983)	$ (881)	$ (11,935)	$ (4,309)	$ (1,048)	$(21,156)
Net change	Net change	**81**	**(419)**	**(317)**	**25**	**(6)**	**(636)**
Balance, September 30, 2023		**$ (2,902)**	**$ (1,300)**	**$ (12,252)**	**$ (4,284)**	**$ (1,054)**	**$(21,792)**
Balance, March 31, 2023							
Balance, December 31, 2023							
Balance, December 31, 2023							
Balance, December 31, 2023							
Net change							
Balance, March 31, 2024							

The following table below presents the net change in fair value recorded in accumulated OCI, net realized gains and losses reclassified into earnings and other changes f months ended September 30, 2023 March 31, 2024 and 2022. 2023.

	Pretax	Tax effect	A
			Nine
(Dollars in millions)		2023	
Debt securities:			
Net increase (decrease) in fair value	$ (306)	$ 84	$
Net realized (gains) losses reclassified into earnings (1)	404	(101)	
Net change	98	(17)	
	Pretax	Tax effect	A
Debit valuation adjustments:			Thr
Net increase (decrease) in fair value	(560)	136	
(Dollars in millions)		2024	
Net realized (gains) losses reclassified into earnings (1)	7	(2)	
Debt securities:			
Net change	(553)	134	

Net increase (decrease) in fair value	$	457	$	(117)	$
Net realized (gains) losses reclassified into earnings (1)		(10)		2	
Net change		447		(115)	
Debit valuation adjustments:					
Net increase (decrease) in fair value		(257)		64	
Net realized (gains) losses reclassified into earnings (1)		7		(2)	
Net change		(250)		62	
Derivatives:					
Net increase (decrease) in fair value		(1,065)		268	
Reclassifications into earnings:					
Net interest income		458		(115)	
Market making and similar activities		59		(14)	
Compensation and benefits expense		(9)		2	
Net realized (gains) losses reclassified into earnings		508		(127)	
Net change		(557)		141	
Employee benefit plans:					
Net actuarial losses and other reclassified into earnings (2)		30		(7)	
Net change		30		(7)	
Foreign currency:					
Net increase (decrease) in fair value		166		(186)	
Net change		166		(186)	
Total other comprehensive income (loss)	$	(164)	$	(105)	$

Derivatives:					
Net increase (decrease) in fair value		(1,027)		261	
Reclassifications into earnings:					
Net interest income		616		(153)	
Compensation and benefits expense		(18)		4	
Net realized (gains) losses reclassified into earnings		598		(149)	
Net change		(429)		112	
Employee benefit plans:					
Net actuarial losses and other reclassified into earnings (2)		36		(11)	
Net change		36		(11)	
Foreign currency:					
Net increase (decrease) in fair value		80		(75)	
Net realized (gains) losses reclassified into earnings (1)		(44)		33	
Net change		36		(42)	
Total other comprehensive income (loss)	$	(612)	$	176	$

(1) Reclassifications of pretax debt securities, DVA and foreign currency (gains) losses are recorded in other income in the Consolidated Statement of Income.

(2) Reclassifications of pretax employee benefit plan costs are recorded in other general operating expense in the Consolidated Statement of Income.

NOTE 13 Earnings Per Common Share

The calculation of earnings per common share (EPS) and diluted EPS for the three and nine months ended September 30, 2023 March 31, 2024 and 2022 2023 is presented belo *Summary of Significant Accounting Principles* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K.

		Three Months Ended March 31			
		Three Months Ended September 30		Nine Months Ended September 30	
		Three Months Ended March 31			
		Three Months Ended March 31			
(In millions, except per share information)					
(In millions, except per share information)					
(In millions, except per share information)	(In millions, except per share information)	**2023**	2022	**2023**	2022

Earnings per common share	**Earnings per common share**				

Earnings per common share

Earnings per common share

Net income

Net income

Net income	**Net income**	**$ 7,802**	$ 7,082	**$ 23,371**	$ 20,396
Preferred stock dividends	Preferred stock dividends	**(532)**	(503)	**(1,343)**	(1,285)

Preferred stock dividends

Preferred stock dividends

Net income applicable to common shareholders

Net income applicable to common shareholders

Net income applicable to common shareholders	Net income applicable to common shareholders	**$ 7,270**	$ 6,579	**$ 22,028**	$ 19,111

Average common shares issued and outstanding

Average common shares issued and outstanding	Average common shares issued and outstanding	8,017.1	8,107.7	**8,041.3**	8,122.2

Average common shares issued and outstanding

Earnings per common share

Earnings per common share

Earnings per common share	**Earnings per common share**	$ 0.91	$ 0.81	**$ 2.74**	$ 2.35
Diluted earnings per common share	**Diluted earnings per common share**				

Diluted earnings per common share

Diluted earnings per common share

Net income applicable to common shareholders

Net income applicable to common shareholders

Net income applicable to common shareholders	Net income applicable to common shareholders	**$ 7,270**	$ 6,579	**$ 22,028**	$ 19,111
Add preferred stock dividends due to assumed conversions	Add preferred stock dividends due to assumed conversions	**—**	—	**167**	—

Add preferred stock dividends due to assumed conversions					
Add preferred stock dividends due to assumed conversions					
Net income allocated to common shareholders					
Net income allocated to common shareholders					
Net income allocated to common shareholders	Net income allocated to common shareholders	$ 7,270	$ 6,579	**$ 22,195**	$ 19,111
Average common shares issued and outstanding	Average common shares issued and outstanding	**8,017.1**	8,107.7	**8,041.3**	8,122.2
Average common shares issued and outstanding					
Average common shares issued and outstanding					
Dilutive potential common shares (1)					
Dilutive potential common shares (1)					
Dilutive potential common shares (1)	Dilutive potential common shares (1)	**58.8**	53.1	**112.1**	51.1
Total diluted average common shares issued and outstanding	Total diluted average common shares issued and outstanding	8,075.9	8,160.8	**8,153.4**	8,173.3
Total diluted average common shares issued and outstanding					
Total diluted average common shares issued and outstanding					
Diluted earnings per common share	**Diluted earnings per common share**	$ 0.90	$ 0.81	**$ 2.72**	$ 2.34
Diluted earnings per common share					
Diluted earnings per common share					

(1) Includes incremental dilutive shares from preferred stock, restricted stock units, restricted stock and warrants.

For the nine three months ended September 30, 2023 March 31, 2024, 62 million 62 million average dilutive potential common shares associated with the Series L preferred stock were antidilutive, whereas they were included in the diluted share count under the “if-converted” method whereas they were antidilutive for the three months ended September 30, 2023 and the three and nine months ended September 30, 2022 March 31, 2023.

date. The Corporation determines the fair values of its and conducts a review of fair value hierarchy classificat hierarchy classifications are made if the significant inputs assets and liabilities become unobservable or observable

NOTE 14 Fair Value Measurements

Under applicable accounting standards, fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement

marketplace. During the nine three months ended September 30, 2023 March 31, 2024, there were no changes to valuation approaches or techniques that had, or are expected to have, a material impact on the Corporation’s consolidated financial position or results of operations.

For more information regarding the fair value hierarchy, how the Corporation measures fair value and valuation techniques, see *Note 1 – Summary of Significant Accounting Principles* and *Note 20 – Fair Value Measurements* to the Consolidated Financial Statements of the Corporation’s 2022 2023 Annual Report on Form 10-K. The Corporation accounts for certain financial instruments under the fair value option. For more information, see *Note 15 – Fair Value Option*.

Recurring Fair Value

Assets and liabilities carried at fair value on a recurring 31, 2022 December 31, 2023, including financial instrur option, are summarized in the following tables.

March 31, 2024

March 31, 2024

March 31, 2024

September 30, 2023

Fair Value Measurements

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Level 1	Level 2	Level 3	Netting Adjustments (1)	Assets/Liabilities at Fair Value
Assets	**Assets**					
Time deposits placed and other short-term investments	Time deposits placed and other short-term investments	$ 1,129	$ —	$ —	$ —	$ 1,129
Federal funds sold and securities borrowed or purchased under agreements to resell	Federal funds sold and securities borrowed or purchased under agreements to resell	—	414,435	—	(244,103)	170,332
Trading account assets:	Trading account assets:					
U.S. Treasury and government agencies	U.S. Treasury and government agencies	67,333	221	—	—	67,554
Corporate securities, trading loans and other	Corporate securities, trading loans and other	—	44,553	2,156	—	46,709
Equity securities	Equity securities	65,627	39,093	178	—	104,898

	Level 1	Level 2	Level 3	Netting Ac
Assets				
Trading account assets:				

Non-U.S. sovereign debt	Non-U.S. sovereign debt	11,043	26,496	366	—	37,905
Mortgage trading loans, MBS and ABS:	Mortgage trading loans, MBS and ABS:					
U.S. government-sponsored agency guaranteed						
U.S. government-sponsored agency guaranteed						
U.S. government-sponsored agency guaranteed	U.S. government-sponsored agency guaranteed	—	38,520	9	—	38,529
Mortgage trading loans, ABS and other MBS	Mortgage trading loans, ABS and other MBS	—	9,614	1,200	—	10,814
Total trading account assets (2)	Total trading account assets (2)	144,003	158,497	3,909	—	306,409
Derivative assets	Derivative assets	15,908	365,554	4,620	(338,618)	47,464
AFS debt securities:	AFS debt securities:					AFS debt securities:
U.S. Treasury and government agencies	U.S. Treasury and government agencies	102,738	898	—	—	103,636
Mortgage-backed securities:	Mortgage-backed securities:					Mortgage-backed securities:
Agency	Agency	—	20,504	—	—	20,504
Agency-collateralized mortgage obligations	Agency-collateralized mortgage obligations	—	1,698	—	—	1,698
Non-agency residential	Non-agency residential	—	109	278	—	387
Commercial	Commercial	—	6,741	—	—	6,741
Non-U.S. securities	Non-U.S. securities	67	18,699	106	—	18,872
Other taxable securities	Other taxable securities	—	3,179	—	—	3,179
Other taxable securities						
Other taxable securities						
Tax-exempt securities	Tax-exempt securities	—	10,542	51	—	10,593
Total AFS debt securities	Total AFS debt securities	102,805	62,370	435	—	165,610
Other debt securities carried at fair value:	Other debt securities carried at fair value:					
U.S. Treasury and government agencies						
U.S. Treasury and government agencies						

U.S. Treasury and government agencies	U.S. Treasury and government agencies	1,058	—	—	—	1,058
Non-agency residential MBS	Non-agency residential MBS	—	213	70	—	283
Non-agency residential MBS						
Non-agency residential MBS						
Non-U.S. and other securities						
Non-U.S. and other securities						
Non-U.S. and other securities	Non-U.S. and other securities	1,862	6,727	—	—	8,589
Total other debt securities carried at fair value	Total other debt securities carried at fair value	2,920	6,940	70	—	9,930
Loans and leases	Loans and leases	—	4,143	107	—	4,250
Loans held-for-sale	Loans held-for-sale	—	1,436	171	—	1,607
Other assets (3)	Other assets (3)	5,609	1,723	1,726	—	9,058
Other assets (3)						
Other assets (3)						
Total assets (4)						
Total assets (4)						
Total assets (4)	**Total assets (4)**	$272,374	$1,015,098	$11,038	$ (582,721)	$ 715,789
Liabilities						
Liabilities						
Liabilities	**Liabilities**					
Interest-bearing deposits in U.S. offices	Interest-bearing deposits in U.S. offices	$ —	$ 404	$ —	$ —	$ 404
Federal funds purchased and securities loaned or sold under agreements to repurchase	Federal funds purchased and securities loaned or sold under agreements to repurchase	—	453,940	—	(244,103)	209,837
Trading account liabilities:	Trading account liabilities:					
U.S. Treasury and government agencies	U.S. Treasury and government agencies	20,799	2	—	—	20,801
U.S. Treasury and government agencies						
U.S. Treasury and government agencies						
Equity securities	Equity securities	47,649	5,590	12	—	53,251
Non-U.S. sovereign debt	Non-U.S. sovereign debt	12,614	8,568	—	—	21,182
Corporate securities and other	Corporate securities and other	—	7,514	72	—	7,586
Mortgage trading loans and ABS						

Total trading account liabilities	Total trading account liabilities	**81,062**	**21,674**	**84**	**—**	**102,820**
Derivative liabilities	Derivative liabilities	**15,822**	**355,436**	**9,080**	**(339,483)**	**40,855**
Short-term borrowings	Short-term borrowings	**—**	**4,035**	**11**	**—**	**4,046**
Accrued expenses and other liabilities	Accrued expenses and other liabilities	**6,991**	**3,015**	**5**	**—**	**10,011**
Long-term debt	Long-term debt	**—**	**38,803**	**640**	**—**	**39,443**
Total liabilities (4)	**Total liabilities** (4)	**$ 103,875**	**$ 877,307**	**$ 9,820**	**$ (583,586)**	**$ 407,416**

(1) Amounts represent the impact of legally enforceable master netting agreements and also cash collateral held or placed with the same counterparties.

(2) Includes securities with a fair value of $25.3 billion $18.8 billion that were segregated in compliance with securities regulations or deposited with clearing organizations. This amount is included in the parenthetical disclosure on the Consolidated Balance Sheet. Trac

is accounted for at the lower of cost or net realizable value, which is the current selling price less any costs to sell.

(3) Includes MSRs, which are classified as Level 3 assets, of $1.0 billion $995 million.

(4) Total recurring Level 3 assets were 0.35 0.29 percent of total consolidated assets, and total recurring Level 3 liabilities were 0.34 0.24 percent of total consolidated liabilities.

December 31, 2022

Fair Value Measurements

December 31, 2023

December 31, 2023

December 31, 2023

Fair Value Measurements

(Dollars in millions)

(Dollars in millions)

(Dollars in millions)	(Dollars in millions)	Level 1	Level 2	Level 3	Netting Adjustments (1)	Assets/Liabilities at Fair Value	Level 1	Level 2	Level 3	Netting Ac
Assets	**Assets**						**Assets**			
Time deposits placed and other short-term investments	Time deposits placed and other short-term investments	$ 868	$ —	$ —	$ —	$ 868				
Federal funds sold and securities borrowed or purchased under agreements to resell (2)		—	146,999	—	—	146,999				
Federal funds sold and securities borrowed or purchased under agreements to resell										
Trading account assets:	Trading account assets:						Trading account assets:			
U.S. Treasury and government agencies	U.S. Treasury and government agencies	58,894	212	—	—	59,106				

Corporate securities, trading loans and other	Corporate securities, trading loans and other	—	46,897	2,384	—	49,281
Equity securities	Equity securities	77,868	35,065	145	—	113,078
Non-U.S. sovereign debt	Non-U.S. sovereign debt	7,392	26,306	518	—	34,216
Mortgage trading loans, MBS and ABS:	Mortgage trading loans, MBS and ABS:					
U.S. government-sponsored agency guaranteed	U.S. government-sponsored agency guaranteed	—	28,563	34	—	28,597
U.S. government-sponsored agency guaranteed						
U.S. government-sponsored agency guaranteed						
Mortgage trading loans, ABS and other MBS	Mortgage trading loans, ABS and other MBS	—	10,312	1,518	—	11,830
Total trading account assets (3)		144,154	147,355	4,599	—	296,108
Total trading account assets (2)						
Derivative assets	Derivative assets	14,775	380,380	3,213	(349,726)	48,642
AFS debt securities:	AFS debt securities:					AFS debt securities:
U.S. Treasury and government agencies	U.S. Treasury and government agencies	158,102	920	—	—	159,022
Mortgage-backed securities:	Mortgage-backed securities:					Mortgage-backed securities:
Agency	Agency	—	23,442	—	—	23,442
Agency-collateralized mortgage obligations	Agency-collateralized mortgage obligations	—	2,221	—	—	2,221
Non-agency residential	Non-agency residential	—	128	258	—	386
Commercial	Commercial	—	6,407	—	—	6,407
Non-U.S. securities	Non-U.S. securities	—	13,212	195	—	13,407
Other taxable securities	Other taxable securities	—	4,645	—	—	4,645
Other taxable securities						
Other taxable securities						
Tax-exempt securities	Tax-exempt securities	—	11,207	51	—	11,258
Total AFS debt securities	Total AFS debt securities	158,102	62,182	504	—	220,788

Other debt securities carried at fair value:	Other debt securities carried at fair value:					
U.S. Treasury and government agencies	U.S. Treasury and government agencies	561	—	—	—	561
U.S. Treasury and government agencies						
U.S. Treasury and government agencies						
Non-agency residential MBS						
Non-agency residential MBS						
Non-agency residential MBS	Non-agency residential MBS	—	248	119	—	367
Non-U.S. and other securities	Non-U.S. and other securities	3,027	5,251	—	—	8,278
Non-U.S. and other securities						
Non-U.S. and other securities						
Total other debt securities carried at fair value	Total other debt securities carried at fair value	3,588	5,499	119	—	9,206
Loans and leases	Loans and leases	—	5,518	253	—	5,771
Loans held-for-sale	Loans held-for-sale	—	883	232	—	1,115
Other assets (4)		6,898	897	1,799	—	9,594
Other assets (3)						
Total assets (5)		$328,385	$749,713	$10,719	$ (349,726)	$ 739,091
Total assets (4)						
Total assets (4)						
Total assets (4)						
Liabilities	**Liabilities**					
Liabilities						
Liabilities						
Interest-bearing deposits in U.S. offices	Interest-bearing deposits in U.S. offices	$ —	$ 311	$ —	$ —	$ 311
Federal funds purchased and securities loaned or sold under agreements to repurchase (2)		—	151,708	—	—	151,708
Federal funds purchased and securities loaned or sold under agreements to repurchase						
Trading account liabilities:	Trading account liabilities:					
U.S. Treasury and government agencies						
U.S. Treasury and government agencies						

U.S. Treasury and government agencies	U.S. Treasury and government agencies	13,906	181	—	—	14,087
Equity securities	Equity securities	36,937	4,825	—	—	41,762
Non-U.S. sovereign debt	Non-U.S. sovereign debt	9,636	8,228	—	—	17,864
Corporate securities and other	Corporate securities and other	—	6,628	58	—	6,686
Total trading account liabilities	Total trading account liabilities	60,479	19,862	58	—	80,399
Derivative liabilities	Derivative liabilities	15,431	376,979	6,106	(353,700)	44,816
Short-term borrowings	Short-term borrowings	—	818	14	—	832
Accrued expenses and other liabilities	Accrued expenses and other liabilities	7,458	2,262	32	—	9,752
Long-term debt	Long-term debt	—	32,208	862	—	33,070
Total liabilities (5)		$ 83,368	$ 584,148	$ 7,072	$ (353,700)	$ 320,888
Total liabilities (4)						

(1) Amounts represent the impact of legally enforceable derivative master netting agreements and also cash collateral held or placed with the same counterparties.

(2) Amounts have been netted by $221.7 billion to reflect the application of legally enforceable master netting agreements.

(3) Includes securities with a fair value of $16.6 billion $18.0 billion that were segregated in compliance with securities regulations or deposited with clearing organizations. This amount is included in the parenthetical disclosure on the Consolidated Balance Sheet. Trad accounted for at the lower of cost or net realizable value, which is the current selling price less any costs to sell.

(4) (3) Includes MSRs, which are classified as Level 3 assets, of $1.0 billion $970 million.

(5) (4) Total recurring Level 3 assets were 0.35 0.29 percent of total consolidated assets, and total recurring Level 3 liabilities were 0.25 0.23 percent of total consolidated liabilities.

The following tables present a reconciliation of all assets and liabilities measured at fair value on a recurring basis using significant unobservable inputs (Level 3) during the three and nine months ended September 30, 2023 March 31, 2024 and 2022, 2023, including net realized and unrealized gains (losses) included in earnings and accumulated OCI. Transfers into Level 3 occur primarily due to

to decreased price observability, and transfers out of L Transfers occur on a regular basis for long-term debt inputs on the value of the embedded derivative in relation

Level 3 – Fair Value Measurements (1)

Balance July 1	Total Realized/Unrealized Gains (Losses) in Net Income (1)	Gains (Losses) in OCI (3)	Gross	Gross Transfers into Level 3	Gross Transfers out of Level 3	Balance September 30	Change in Unrealized Gains (Losses) in Net Income Related to Financial Instruments Still Held (2)

Level 3 – Fair Value Measurements (1)

Balance

January 1

Balance January 1

(Dollars in millions) | Purchases | Sales | Total Realized/Unrealized Gains (Losses) in Net Income (2) | Gains (Losses) in OCI (3) | Issuances

(Dollars in millions) Three Months Ended September 30, 2023	Balance January 1 / Balance July 1	Total Realized/Unrealized Gains (Losses) in Net Income (2)	Gains (Losses) in OCI (3)	Purchases	Sales	Issuances	Settlements	Gross Transfers into Level 3	Gross Transfers out of Level 3	Balance September 30	Change in Unrealized Gains (Losses) in Net Income Related to Financial Instruments Still Held (2)
Federal funds sold and securities borrowed or purchased under agreements to resell	$ 7	$ —	$ —	$ —	$ —	$ —	$ —	$ —	$ (7)	$ —	$ —
Three Months Ended March 31, 2024											
Trading account assets:											
Corporate securities, trading loans and other	2,100	53	(1)	112	(17)	—	(149)	137	(79)	2,156	16
Equity securities	159	45	—	4	(3)	—	(47)	51	(31)	178	(3)
Non-U.S. sovereign debt	568	16	(14)	2	(3)	—	(203)	—	—	366	16
Mortgage trading loans, MBS and ABS	1,233	(10)	—	40	(101)	—	(8)	90	(35)	1,209	(12)
Total trading account assets	4,060	104	(15)	158	(124)	—	(407)	278	(145)	3,909	17
Net derivative assets (liabilities) (4)	(4,997)	1,445	(235)	613	(395)	—	(577)	(315)	1	(4,460)	1,369
AFS debt securities:											
Non-agency residential MBS	288	(2)	(6)	—	—	—	(2)	—	—	278	(2)

Trading account assets:
Trading account assets:
Corporate securities, trading loans and other
Corporate securities, trading loans and other
Non-agency residential MBS

Non-agency residential MBS												
Non-U.S. and other taxable securities	Non-U.S. and other taxable securities	184	4	—	—	—	—	(86)	4	—	106	2
Tax-exempt securities		51	—	—	—	—	—	—	—	—	51	—
Non-U.S. and other taxable securities												
Non-U.S. and other taxable securities												
Total AFS debt securities												
Total AFS debt securities												
Total AFS debt securities	Total AFS debt securities	523	2	(6)	—	—	—	(88)	4	—	435	—
Other debt securities carried at fair value – Non-agency residential MBS	Other debt securities carried at fair value – Non-agency residential MBS	88	(3)	—	—	—	—	(1)	—	(14)	70	(3)
Loans and leases (5)		147	11	—	—	—	—	(29)	—	(22)	107	11
Loans and leases (5,6)												
Loans held-for-sale (5)												
Loans held-for-sale (5)												
Loans held-for-sale (5)	Loans held-for-sale (5)	188	(2)	(2)	—	(4)	—	(9)	—	—	171	(4)
Other assets (6,7)	Other assets (6,7)	1,809	115	(8)	168	(303)	27	(82)	—	—	1,726	83
Trading account liabilities – Equity securities	Trading account liabilities – Equity securities	—	—	—	—	—	—	—	(12)	—	(12)	—
Trading account liabilities – Corporate securities and other	Trading account liabilities – Corporate securities and other	(49)	5	—	(1)	—	—	—	(27)	—	(72)	(1)
Short-term borrowings (5)	Short-term borrowings (5)	(11)	(1)	—	—	—	(6)	7	—	—	(11)	(1)
Accrued expenses and other liabilities (5)	Accrued expenses and other liabilities (5)	(14)	8	—	—	—	—	—	—	1	(5)	8
Long-term debt (5)	Long-term debt (5)	(664)	3	1	—	(4)	—	24	—	—	(640)	3
Three Months Ended September 30, 2022												
Three Months Ended March 31, 2023												
Three Months Ended March 31, 2023												
Three Months Ended March 31, 2023												
Trading account assets:	Trading account assets:											
Trading account assets:												

Trading account assets:

Corporate securities, trading loans and other

Corporate securities, trading loans and other

Corporate securities, trading loans and other	Corporate securities, trading loans and other	$ 2,367	$ (28)	$ (1)	$ 176	$ (144)	$ —	$ (300)	$ 329	$ (50)	$ 2,349	$ (30)
Equity securities	Equity securities	179	(5)	—	13	(7)	—	—	3	(12)	171	(5)
Non-U.S. sovereign debt	Non-U.S. sovereign debt	470	39	(12)	11	(2)	—	(18)	2	(5)	485	39
Mortgage trading loans, MBS and ABS	Mortgage trading loans, MBS and ABS	1,386	(57)	—	166	(72)	—	(6)	113	(67)	1,463	(47)
Total trading account assets	Total trading account assets	4,402	(51)	(13)	366	(225)	—	(324)	447	(134)	4,468	(43)
Net derivative assets (liabilities) (4)	Net derivative assets (liabilities) (4)	(1,682)	(266)	—	97	(238)	—	49	(62)	(115)	(2,217)	(293)
AFS debt securities:	AFS debt securities:											
Non-agency residential MBS	Non-agency residential MBS	299	(1)	(11)	—	—	—	(8)	—	(13)	266	(1)

Non-agency residential MBS

Non-agency residential MBS

Non-U.S. and other taxable securities

Non-U.S. and other taxable securities

Non-U.S. and other taxable securities	Non-U.S. and other taxable securities	200	2	(3)	—	—	—	(5)	224	(1)	417	(2)
Tax-exempt securities	Tax-exempt securities	52	—	—	—	—	—	—	—	—	52	—
Total AFS debt securities	Total AFS debt securities	551	1	(14)	—	—	—	(13)	224	(14)	735	(3)
Other debt securities carried at fair value – Non-agency residential MBS	Other debt securities carried at fair value – Non-agency residential MBS	112	(2)	—	—	—	—	(4)	—	(6)	100	(2)
Loans and leases (5)	Loans and leases (5)	256	(1)	—	—	—	—	(58)	—	—	197	(2)
Loans held-for-sale (5)	Loans held-for-sale (5)	345	(27)	(2)	—	—	—	(44)	—	—	272	(27)

Loans held-for-sale (5)

Loans held-for-sale (5)												
Other assets (6,7)	Other assets (6,7)	1,750	70	(20)	—	(2)	78	(68)	—	(3)	1,805	61
Trading account liabilities – Corporate securities and other												
Trading account liabilities – Corporate securities and other												
Trading account liabilities – Corporate securities and other	Trading account liabilities – Corporate securities and other	(14)	1	—	—	—	—	—	—	—	(13)	—
Short-term borrowings (5)	Short-term borrowings (5)	—	1	—	—	(4)	—	—	(3)	—	(6)	1
Accrued expenses and other liabilities (5)	Accrued expenses and other liabilities (5)	(63)	7	—	(7)	—	—	—	—	—	(63)	7
Long-term debt (5)	Long-term debt (5)	(812)	26	(12)	—	—	—	18	(13)	—	(793)	26

(1) Assets (liabilities). For assets, increase (decrease) to Level 3 and for liabilities, (increase) decrease to Level 3.

(2) Includes gains (losses) reported in earnings in the following income statement line items: Trading account assets/liabilities - market making and similar activities and other income; Net derivative assets (liabilities) - market making and similar activities and other income; Loans and leases - other income; Loans held-for-sale - market making and similar activities and other income; Loans held-for-sale - other income; Other assets - market making and similar activities and other income related to MSRs; Short-term borrowing Long-term debt - market making and similar activities.

(3) Includes unrealized gains (losses) in OCI on AFS debt securities, foreign currency translation adjustments, derivatives designated in cash flow hedges and the impact of changes in the Corporation's credit spreads on long-term debt accounted for under the fair million $50 million related to financial instruments still held at September 30, 2023 March 31, 2024 and 2022. 2023.

(4) Net derivative assets (liabilities) include derivative assets of $4.6 billion $3.8 billion and $3.3 billion $3.6 billion and derivative liabilities of $9.1 billion $6.5 billion and $5.5 billion $6.3 billion at September 30, 2023 March 31, 2024 and 2022. 2023.

(5) Amounts represent instruments that are accounted for under the fair value option.

(6) Issuances represent loan originations and MSRs recognized following securitizations or whole-loan sales.

(7) Settlements primarily represent the net change in fair value of the MSR asset due to the recognition of modeled cash flows and the passage of time.

Level 3 – Fair Value Measurements (1)

(Dollars in millions)	Balance January 1	Total Realized/Unrealized Gains (Losses) in Net Income (2)	Gains (Losses) in OCI (3)	Gross			
				Purchases	Sales	Issuances	Settlements
Nine Months Ended September 30, 2023							
Federal funds sold and securities borrowed or purchased under agreements to resell	$ —	$ —	$ —	$ —	$ —	$ —	$ — $
Trading account assets:							
Corporate securities, trading loans and other	**2,384**	**114**	**1**	**336**	**(172)**	**14**	**(601)**
Equity securities	**145**	**39**	**—**	**20**	**(47)**	**—**	**(59)**
Non-U.S. sovereign debt	**518**	**54**	**22**	**38**	**(9)**	**—**	**(257)**
Mortgage trading loans, MBS and ABS	**1,552**	**(38)**	**—**	**144**	**(303)**	**—**	**(229)**
Total trading account assets	**4,599**	**169**	**23**	**538**	**(531)**	**14**	**(1,146)**
Net derivative assets (liabilities) (4)	**(2,893)**	**(116)**	**(375)**	**1,142**	**(994)**	**—**	**(1,372)**
AFS debt securities:							
Non-agency residential MBS	**258**	**1**	**26**	**—**	**—**	**—**	**(7)**
Non-U.S. and other taxable securities	**195**	**8**	**7**	**—**	**—**	**—**	**(101)**

Tax-exempt securities	**51**	**—**	**—**	**—**	**—**	**—**	**—**
Total AFS debt securities	**504**	**9**	**33**	**—**	**—**	**—**	**(108)**
Other debt securities carried at fair value – Non-agency residential MBS	**119**	**(4)**	**—**	**—**	**(19)**	**—**	**(5)**
Loans and leases (5,6)	**253**	**—**	**—**	**9**	**(50)**	**—**	**(99)**
Loans held-for-sale (5,6)	**232**	**20**	**2**	**—**	**(25)**	**—**	**(58)**
Other assets (6,7)	**1,799**	**223**	**(1)**	**174**	**(302)**	**71**	**(240)**
Trading account liabilities – Equity securities	**—**	**—**	**—**	**—**	**—**	**—**	**—**
Trading account liabilities – Corporate securities and other	**(58)**	**1**	**—**	**(2)**	**(2)**	**(1)**	**2**
Short-term borrowings (5)	**(14)**	**2**	**—**	**—**	**(13)**	**(8)**	**22**
Accrued expenses and other liabilities (5)	**(32)**	**38**	**—**	**(12)**	**—**	**—**	**—**
Long-term debt (5)	**(862)**	**154**	**(20)**	**(9)**	**49**	**—**	**41**
Nine Months Ended September 30, 2022							
Trading account assets:							
Corporate securities, trading loans and other	$ 2,110	$ (97)	$ (2)	$ 943	$ (342)	$ —	$ (417) $
Equity securities	190	2	—	41	(22)	—	(4)
Non-U.S. sovereign debt	396	58	8	18	(4)	—	(33)
Mortgage trading loans, MBS and ABS	1,527	(235)	—	373	(389)	—	(100)
Total trading account assets	4,223	(272)	6	1,375	(757)	—	(554)
Net derivative assets (liabilities) (4)	(2,662)	1,076	—	222	(589)	—	393
AFS debt securities:							
Non-agency residential MBS	316	1	(33)	—	(8)	—	(71)
Non-U.S. and other taxable securities	71	5	(12)	126	—	—	(14)
Tax-exempt securities	52	—	—	—	—	—	—
Total AFS debt securities	439	6	(45)	126	(8)	—	(85)
Other debt securities carried at fair value – Non-agency residential MBS	242	(42)	—	—	—	—	(77)
Loans and leases (5,6)	748	(42)	—	—	(154)	—	(106)
Loans held-for-sale (5,6)	317	(3)	3	170	(6)	—	(217)
Other assets (6,7)	1,572	296	(25)	—	(1)	163	(201)
Trading account liabilities – Corporate securities and other	(11)	—	—	—	—	—	(2)
Short-term borrowings (5)	—	1	—	—	(4)	—	—
Accrued expenses and other liabilities (5)	—	(56)	—	(7)	—	—	—
Long-term debt (5)	(1,075)	(96)	67	—	14	(1)	35

(1) Assets (liabilities). For assets, increase (decrease) to Level 3 and for liabilities, (increase) decrease to Level 3.

(2) Includes gains (losses) reported in earnings in the following income statement line items: Trading account assets/liabilities - market making and similar activities and other income; Net derivative assets (liabilities) - market making and similar activities and other income; Loans and leases - market making and similar activities and other income; Loans held-for-sale - other income; Other assets - market making and similar activities and other income primarily related to MSRs; Short-term borrowings - market making and sin other income; Long-term debt - market making and similar activities.

(3) Includes unrealized gains (losses) in OCI on AFS debt securities, foreign currency translation adjustments, derivatives designated in cash flow hedges and the impact of changes in the Corporation's credit spreads on long-term debt accounted for under the fair valu to financial instruments still held at September 30, 2023 and 2022.

(4) Net derivative assets (liabilities) include derivative assets of $4.6 billion and $3.3 billion and derivative liabilities of $9.1 billion and $5.5 billion at September 30, 2023 and 2022.

(5) Amounts represent instruments that are accounted for under the fair value option.

(6) Issuances represent MSRs recognized following securitizations or whole-loan sales.

(7) Settlements primarily represent the net change in fair value of the MSR asset due to the recognition of modeled cash flows and the passage of time.

The following tables present information about significant unobservable inputs related to the Corporation's material categories of Level 3 financial assets and liabilities 2022 December 31, 2023.

Quantitative Information about Level 3 Fair Value Measurements at September 30, 2023

Quantitative Information about Level 3 Fair Value Measurements at March 31, 2024

Quantitative Information about Level 3 Fair Value Measurements at March 31, 2024

Quantitative Information about Level 3 Fair Value Measurements at March 31, 2024

(Dollars in millions)

(Dollars in millions)

Financial Instrument	Fair Value	Valuation Technique	Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
Loans and Securities (2)					
Instruments backed by residential real estate assets	$ 579	Discounted cash flow, Market comparables	Yield	0% to 20%	9 %
Trading account assets – Mortgage trading loans, MBS and ABS	129		Prepayment speed	0% to 41% CPR	10% CPR
Loans and leases	102		Default rate	0% to 3% CDR	1% CDR
AFS debt securities – Non-agency residential	278		Price	$0 to td15	$72

Financial Instrument	Fair Value	Valuation Technique	S
Instruments backed by residential real estate assets	$ 553	Discounted cash flow, Market comparables	Yield
Trading account assets – Mortgage trading loans, MBS and ABS	147		Pre
Loans and leases	84		Def
AFS debt securities – Non-agency residential	251		Pric
Other debt securities carried at fair value – Non-agency residential			

Instruments backed by residential real estate assets

AFS debt securities – Non-agency residential

Other debt securities carried at fair value – Non-agency residential

		Other debt securities carried at fair value – Non-agency residential	Other debt securities carried at fair value – Non-agency residential	70	Loss severity	0% to 100%	29 %	71	Loss severity	Loss severity		
		Instruments backed by commercial real estate assets	**Instruments backed by commercial real estate assets**	**$ 377**	Yield	0% to 25%	12 %	**Instruments backed by commercial real estate assets**	**$ 344**	Discounted cash flow	Discounted cash flow	Yiel
		Trading account assets – Corporate securities, trading loans and other	Trading account assets – Corporate securities, trading loans and other	294	Price	$0 to td00	$75	Trading account assets – Corporate securities, trading loans and other	284			Pric
		Trading account assets – Mortgage trading loans, MBS and ABS	Trading account assets – Mortgage trading loans, MBS and ABS	83								
	Discounted cash flow	**Commercial loans, debt securities and other**	**Commercial loans, debt securities and other**	**$ 3,558**	Yield	5% to 51%	13 %					
		Commercial loans, debt securities and other										
	Commercial loans, debt securities and other								**$ 2,789**	Discounted cash flow, Market comparables		Yiel
	Trading account assets – Corporate securities, trading loans and other	Trading account assets – Corporate securities, trading loans and other	1,862	Discounted cash flow, Market comparables	Prepayment speed	10% to 20%	16 %	Trading account assets – Corporate securities, trading loans and other	1,298			Pre spe
	Trading account assets – Non-U.S. sovereign debt	Trading account assets – Non-U.S. sovereign debt	366		Default rate	3% to 4%	4 %	Trading account assets – Non-U.S. sovereign debt	394			Def
	Trading account assets – Mortgage trading loans, MBS and ABS	Trading account assets – Mortgage trading loans, MBS and ABS	997		Loss severity	35% to 40%	37 %	Trading account assets – Mortgage trading loans, MBS and ABS	851			Los
	AFS debt securities – Tax-exempt securities		51		Price	$0 to td57	$73					
	AFS debt securities – Non-U.S. and other taxable securities											

AFS debt securities – Non-U.S. and other taxable securities										
AFS debt securities – Non-U.S. and other taxable securities	AFS debt securities – Non-U.S. and other taxable securities	106					91	Price		Price
Loans and leases	Loans and leases	5							Discounted cash flow, Market comparables	
Loans held-for-sale	Loans held-for-sale	171	Discounted cash flow, Market comparables							
Loans held-for-sale										
Loans held-for-sale										
Other assets, primarily auction rate securities										
Other assets, primarily auction rate securities										
Other assets, primarily auction rate securities	**Other assets, primarily auction rate securities**	**$ 680**	Discounted cash flow, Market comparables	Price	td0 to $95	$85	**$ 673**	Discounted cash flow, Market comparables	Discounted cash flow, Market comparables	Price
				Discount rate	11 %	n/a				Dis
MSRs	**MSRs**	**$ 1,046**			Weighted-average life, fixed rate (5)	0 to 14 years	6 years			
			Weighted-average life, variable rate (5)	Discounted cash flow	0 to 12 years	3 years				
MSRs										
			Option-adjusted spread, fixed rate		7% to 14%	9 %				
				Option-adjusted spread, variable rate	9% to 15%	12 %				
MSRs		Weighted-average life, variable rate (5)	Discounted cash flow				**$ 995**	Discounted cash flow	Weighted-average life, fixed rate (5)	
		Option-adjusted spread, fixed rate								
		Option-adjusted spread, variable rate								
Structured liabilities	**Structured liabilities**									
Long-term debt	**Long-term debt**	**$ (640)**	Discounted cash flow, Market	Yield	51%	n/a				

Long-term debt			comparables, Industry standard derivative pricing (3)								
Long-term debt								$	(611)	Discounted cash flow, Market comparables, Industry standard derivative pricing (3)	Yield
		Price									
				Equity correlation	1% to 97%	89 %					
				Price	$0 to td00	$90					
Discounted cash flow, Market comparables, Industry standard derivative pricing (3)				Natural gas forward price							
				Natural gas forward price							
				Natural gas forward price							
			Discounted cash flow, Market comparables, Industry standard derivative pricing (3)	Natural gas forward price	td/MMBtu to $8/MMBtu	$4 /MMBtu					
Net derivative assets (liabilities)	Net derivative assets (liabilities)										
Net derivative assets (liabilities)											
Net derivative assets (liabilities)											
Credit derivatives											
Credit derivatives											
Credit derivatives	Credit derivatives	$	9	Credit spreads	3 to 81 bps	64 bps	$	23			Credit spreads
			Discounted cash flow, Stochastic recovery correlation model	Prepayment speed							
				Prepayment speed	15% CPR	n/a			Discounted cash flow, Stochastic recovery correlation model	Discounted cash flow, Stochastic recovery correlation model	
				Default rate	2% CDR	n/a					
				Prepayment speed							
					Credit correlation	21% to 59%		52 %			
					Price	$0 to $92		$85			
			Prepayment speed								
		Default rate		Discounted cash flow, Stochastic recovery correlation model							
		Credit correlation									
		Price									
Equity derivatives	Equity derivatives	$	(635)	Equity correlation	0% to 99%	67 %	Equity derivatives	$	(1,462)	Industry standard derivative pricing (3)	Industry standard derivative pricing (3)
				Long-dated equity volatilities	2% to 94%	36 %					
		Long-dated equity volatilities									
Commodity derivatives	Commodity derivatives	$	(545)	Discounted cash flow, Industry standard	Natural gas forward price	td/MMBtu to $8/MMBtu	$4 /MMBtu	Commodity derivatives	$ (652)	Discounted cash flow, Industry standard derivative pricing (3)	Natural gas forward price
					Power forward price	td0 to $92	$42				

		derivative pricing (3)	Power forward price		
			Power forward price		
			Power forward price		
Interest rate derivatives	**$ (3,289)**	Discounted cash flow, Industry standard derivative pricing (3)	Correlation (IR/IR)	(35)% to 89%	66 %
			Correlation (FX/IR)	11% to 58%	37 %
Interest rate derivatives					
		Industry standard derivative pricing (4)	Long-dated inflation rates	(1)% to 12%	0 %
			Long-dated inflation volatilities	0% to 5%	1 %
			Interest rate volatilities	0% to 2%	1 %
Interest rate derivatives	**$ (577)**	Industry standard derivative pricing (4)	Correlation (IR/IR)		
			Correlation (FX/IR)		
			Long-dated inflation rates		
			Long-dated inflation volatilities		
			Interest rate volatilities		
Total net derivative assets (liabilities)	**$ (4,460)**	Industry standard derivative pricing (4)			
Total net derivative assets (liabilities)					
Total net derivative assets (liabilities)					

(1) For loans and securities, structured liabilities and net derivative assets (liabilities), the weighted average is calculated based upon the absolute fair value of the instruments.

(2) The categories are aggregated based upon product type, which differs from financial statement classification. The following is a reconciliation to the line items in the table on page 92: 80: Trading account assets – Corporate securities, trading loans and other of $ million, Trading account assets – Mortgage trading loans, MBS and ABS of $1.2 billion $1.1 billion, AFS debt securities of $435 million $342 million, Other debt securities carried at fair value - Non-agency residential of $70 million $71 million, Other assets, incl million $149 million.

(3) Includes models such as Monte Carlo simulation and Black-Scholes.

(4) Includes models such as Monte Carlo simulation, Black-Scholes and other methods that model the joint dynamics of interest, inflation and foreign exchange rates.

(5) The weighted-average life is a product of changes in market rates of interest, prepayment rates and other model and cash flow assumptions.

CPR = Constant Prepayment Rate
CDR = Constant Default Rate
MMBtu = Million British thermal units
IR = Interest Rate
FX = Foreign Exchange
n/a = not applicable

Quantitative Information about Level 3 Fair Value Measurements at December 31, 2023

Quantitative Information about Level 3 Fair Value Measurements at December 31, 2023

Quantitative Information about Level 3 Fair Value Measurements at December 31, 2023

(Dollars in millions)

(Dollars in millions)

(Dollars in millions) (Dollars in millions)

Financial Instrument	Financial Instrument	Fair Value	Valuation Technique	Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
				Inputs		
Loans and Securities (2)	**Loans and Securities (2)**					
Instruments backed by residential real estate assets						
Instruments backed by residential real estate assets	**Instruments backed by residential real estate assets**	**$ 852**		Yield	0% to 25%	10 %
Trading account assets – Mortgage trading loans, MBS and ABS	Trading account assets – Mortgage trading loans, MBS and ABS	338	Discounted cash flow, Market comparables	Prepayment speed	0% to 29% CPR	12% CPR
Loans and leases	Loans and leases	137		Default rate	0% to 3% CDR	1% CDR
AFS debt securities - Non-agency residential	AFS debt securities - Non-agency residential	258		Price	$0 to td11	td6
Other debt securities carried at fair value - Non-agency residential	Other debt securities carried at fair value - Non-agency residential	119		Loss severity	0% to 100%	24 %
Instruments backed by commercial real estate assets	**Instruments backed by commercial real estate assets**	**$ 362**	Discounted cash flow	Yield	0% to 25%	10 %
Trading account assets – Corporate securities, trading loans and other	Trading account assets – Corporate securities, trading loans and other	292		Price	$0 to td00	$75

Financial Instrument	Fair Value	Valuation Technique			Significant Unobservable Inputs	Ranges of Inputs	Weighted Average
Instruments backed by residential real estate assets	**$ 538**			Yield		0% to 22%	9 %
Trading account assets – Mortgage trading loans, MBS and ABS	109	Discounted cash flow, Market comparables	Discounted cash flow, Market comparables	Prepayment speed	Prepayment speed	1% to 42% CPR	10% CPR
Loans and leases	87			Default rate	Default rate	0% to 3% CDR	1% CDR
AFS debt securities - Non-agency residential	273			Price	Price	$0 to td15	$70
Other debt securities carried at fair value - Non-agency residential	69			Loss severity	Loss severity	0% to 100%	27 %
Instruments backed by commercial real estate assets	**$ 363**	Discounted cash flow	Discounted cash flow		Yield	0% to 25%	12
Trading account assets – Corporate securities, trading loans and other	301			Price	Price	$0 to td00	

Trading account assets – Mortgage trading loans, MBS and ABS	Trading account assets – Mortgage trading loans, MBS and ABS	66											
Loans held-for-sale		4											
Commercial loans, debt securities and other													
Commercial loans, debt securities and other													
Commercial loans, debt securities and other	**Commercial loans, debt securities and other**	**$ 4,348**		Yield	5% to 43%	15 %	**$**	**3,103**			Yield	5% to 59%	13 %
Trading account assets – Corporate securities, trading loans and other	Trading account assets – Corporate securities, trading loans and other	2,092		Prepayment speed	10% to 20%	15 %	Trading account assets – Corporate securities, trading loans and other	1,388		Prepayment speed	Prepayment speed	10% to 20%	16 %
Trading account assets – Non-U.S. sovereign debt	Trading account assets – Non-U.S. sovereign debt	518	Discounted cash flow, Market comparables	Default rate	3% to 4%	4 %	Trading account assets – Non-U.S. sovereign debt	Discounted cash flow, Market comparables 396	Discounted cash flow, Market comparables	Default rate	Default rate	3% to 4%	4 %
Trading account assets – Mortgage trading loans, MBS and ABS	Trading account assets – Mortgage trading loans, MBS and ABS	1,148		Loss severity	35% to 40%	38 %	Trading account assets – Mortgage trading loans, MBS and ABS	1,046		Loss severity	Loss severity	35% to 40%	37 %
AFS debt securities – Tax-exempt securities		51		Price	$0 to td57	$75							
AFS debt securities – Non-U.S. and other taxable securities													
AFS debt securities – Non-U.S. and other taxable securities													
AFS debt securities – Non-U.S. and other taxable securities	AFS debt securities – Non-U.S. and other taxable securities	195	Discounted cash flow, Market comparables					103	Price	Discounted cash flow, Market comparables	Price	$0 to td57	$70
Loans and leases	Loans and leases	116											
Loans held-for-sale	Loans held-for-sale	228											
Loans held-for-sale													
Loans held-for-sale													
Other assets, primarily auction rate securities													
Other assets, primarily auction rate securities													

Other assets, primarily auction rate securities	**Other assets, primarily auction rate securities**	$ 779		Price	td0 to $97	$94	$ 687	Discounted cash flow, Market comparables		Price	td0 to $95	$85
			Discounted cash flow, Market comparables	Discount rate	11%	n/a			Discount rate	Discounted cash flow, Market comparables		Discount rate
MSRs	**MSRs**	$ 1,020	Discounted cash flow, Market comparables	Weighted-average life, fixed rate (5)	0 to 14 years	6 years						
			Discounted cash flow	Weighted-average life, variable rate (5)	0 to 12 years	4 years						
				Option-adjusted spread, fixed rate	7% to 14%	9 %						
				Option-adjusted spread, variable rate	9% to 15%	12 %						
MSRs												
MSRs							$ 970	Discounted cash flow		Weighted-average life, fixed rate (5)	0 to 14 years	6
				Weighted-average life, variable rate (5)								
				Option-adjusted spread, fixed rate								
				Option-adjusted spread, variable rate								
Structured liabilities	**Structured liabilities**											
Long-term debt	**Long-term debt**	$ (862)	Discounted cash flow, Market comparables, Industry standard derivative pricing (3)	Yield	22% to 43%	23 %						
				Equity correlation	0% to 95%	69 %						
				Price	$0 to td19	$90						
				Natural gas forward price	$3/MMBtu to td3/MMBtu	$9/MMBtu						
Long-term debt												
Long-term debt							$ (614)	Discounted cash flow, Market comparables, Industry standard derivative pricing (3)		Yield		58%
				Equity correlation								
				Price								
				Natural gas forward price								
Net derivative assets (liabilities)	**Net derivative assets (liabilities)**											
Credit derivatives												
Credit derivatives												
Credit derivatives	**Credit derivatives**	$ (44)	Discounted	Credit spreads	3 to 63 bps	22 bps	$ 9	Discounted cash flow,	Discounted cash flow,	Credit spreads	2 to 79 bps	59 bps

			cash flow, Stochastic recovery correlation model	Upfront points	0 to 100 points	83 points
				Prepayment speed		
				Prepayment speed	15% CPR	n/a
				Prepayment speed		
				Default rate	2% CDR	n/a
			Discounted cash flow, Stochastic recovery correlation model	Credit correlation	18% to 53%	44 %
				Price	$0 to td51	$63
				Prepayment speed		
				Default rate		
				Credit correlation		
				Price		
Equity derivatives	**Equity derivatives**	$(1,534)	Industry standard derivative pricing (3)	Equity correlation	0% to 100%	73 %
				Long-dated equity volatilities	4% to 101%	44 %
				Long-dated equity volatilities		
Commodity derivatives	**Commodity derivatives**	$ (291)	Discounted cash flow, Industry standard derivative pricing (3)	Natural gas forward price	$3/MMBtu to td3/MMBtu	$8/MMBtu
				Power forward price	$9 to td23	$43
				Power forward price		
Interest rate derivatives	**Interest rate derivatives**	$(1,024)	Discounted cash flow, Industry standard derivative pricing (3)	Correlation (IR/IR)	(35)% to 89%	67 %
				Correlation (FX/IR)	11% to 58%	43 %
			Industry standard derivative pricing (4)	Long-dated inflation rates	0% to 39%	1 %
				Long-dated inflation volatilities	0% to 5%	2 %
				Interest rates volatilities	0% to 2%	1 %
Total net derivative assets (liabilities)	**Total net derivative assets (liabilities)**	$(2,893)				

		Stochastic recovery correlation model	Stochastic recovery correlation model		
				15% CPR	n/a
Equity derivatives	$ (1,386)	Industry standard derivative pricing (3)	Industry standard derivative pricing (3)	Equity correlation	0% to 99%	67
				Long-dated equity volatilities	
Commodity derivatives	$ (633)	Discounted cash flow, Industry standard derivative pricing (3)	Natural gas forward price	td/MMBtu to $7/MMBtu	$4/MMBtu
				Power forward price	
Interest rate derivatives	$ (484)	Industry standard derivative pricing (4)	Correlation (IR/IR)	(35)% to 89%	65 %
			Correlation (FX/IR)		
			Long-dated inflation rates		
			Long-dated inflation volatilities		
			Interest rates volatilities		

(1) For loans and securities, structured liabilities and net derivative assets (liabilities), the weighted average is calculated based upon the absolute fair value of the instruments.

(2) The categories are aggregated based upon product type, which differs from financial statement classification. The following is a reconciliation to the line items in the table on page 93: 81: Trading account assets – Corporate securities, trading loans and other of $ million, Trading account assets – Mortgage trading loans, MBS and ABS of $1.6 billion $1.2 billion, AFS debt securities of $504 million $376 million, Other debt securities carried at fair value - Non-agency residential of $119 million $69 million, Other assets, includi $232 million $164 million.

(3) Includes models such as Monte Carlo simulation and Black-Scholes.

(4) Includes models such as Monte Carlo simulation, Black-Scholes and other methods that model the joint dynamics of interest, inflation and foreign exchange rates.

(5) The weighted-average life is a product of changes in market rates of interest, prepayment rates and other model and cash flow assumptions.

CPR = Constant Prepayment Rate
CDR = Constant Default Rate
MMBtu = Million British thermal units
IR = Interest Rate

FX = Foreign Exchange
n/a = not applicable

Uncertainty of Fair Value Measurements from Unobservable Inputs

For information on the types of instruments, valuation approaches and the impact of changes in unobservable inputs used in Level 3 measurements, see *Note 20 – Fair Value* Corporation's 2022 2023 Annual Report on Form 10-K.

Nonrecurring Fair Value

The Corporation holds certain assets that are measured at fair value only in certain situations (e.g., the impairment of an asset), and these measurements are referred to herein as of the reporting date for which a nonrecurring fair value adjustment was recorded during the three and nine months ended September 30, 2023 March 31, 2024 and 2022. 2023

Assets Measured at Fair Value on a Nonrecurring Basis

Assets Measured at Fair Value on a Nonrecurring Basis

Assets Measured at Fair Value on a Nonrecurring Basis

March 31, 2024

March 31, 2024

March 31, 2024

(Dollars in millions)

(Dollars in millions)

Assets

Assets

Loans held-for-sale

Loans held-for-sale

Loans and leases (1)

Loans and leases (1)

		September 30, 2023		Three Months Ended September 30, 2023	Nine Months Ended September 30, 2023
(Dollars in millions)	(Dollars in millions)	Level 2	Level 3	Gains (Losses)	
Assets	**Assets**				
Loans held-for-sale	Loans held-for-sale	$ 276	$3,066	$ (28)	$ (95)
Loans and leases (1)	Loans and leases (1)	—	129	(15)	(36)
Foreclosed properties (2, 3)	Foreclosed properties (2, 3)	—	44	1	(2)
Other assets		31	905	(182)	(189)

Foreclosed properties (2, 3)

Foreclosed properties (2, 3)

Other assets (4)

Other assets (4)

Other assets (4)

		September 30, 2022		Three Months Ended September 30, 2022	Nine Months Ended September 30, 2022
Assets	**Assets**				
Assets					
Assets					
Loans held-for-sale					
Loans held-for-sale					
Loans held-for-sale	Loans held-for-sale	$1,752	$ 398	$ 119	$ 87
Loans and leases (1)	Loans and leases (1)	—	152	(13)	(44)
Loans and leases (1)					
Loans and leases (1)					
Foreclosed properties (2, 3)	Foreclosed properties (2, 3)	—	6	(2)	(3)
Foreclosed properties (2, 3)					
Foreclosed properties (2, 3)					
Other assets					
Other assets					
Other assets	Other assets	80	48	—	(40)

(1) Includes $4 million and $8 million $3 million of losses on loans that were written down to a collateral value of zero during both the three and nine months ended September 30, 2023 compared to losses of $6 million March 31, 2024 and $17 million for the same perio

(2) Amounts are included in other assets on the Consolidated Balance Sheet and represent the carrying value of foreclosed properties that were written down subsequent to their initial classification as foreclosed properties. Losses on foreclosed properties include losse

(3) Excludes $33 million $28 million and $75 million $60 million of properties acquired upon foreclosure of certain government-guaranteed loans (principally FHA-insured loans) at September 30, 2023 March 31, 2024 and 2022. 2023.

(4) Represents the fair value of certain impaired renewable energy investments.

The table below presents information about significant unobservable inputs utilized in the Corporation's nonrecurring Level 3 fair value measurements during the nine three mo ended December 31, 2022 December 31, 2023.

Quantitative Inform Measurements

Quantitative Information about Nonrecurring Level 3 Fair Value Measurements

Quantitative Information about Nonrecurring Level 3 Fair Value Measurements

Inputs

Inputs

Inputs

Inputs

Financial Instrument	Financial Instrument	Fair Value	Valuation Technique	Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
(Dollars in millions)	(Dollars in millions)	Nine Months Ended September 30, 2023				
Loans held-for-sale	Loans held-for-sale	$3,066	Pricing model	Implied yield	12% to 26%	n/a
Loans and leases (2)	Loans and leases (2)	129	Market comparables	OREO discount	10% to 66%	26 %
				Costs to sell	8% to 24%	9 %
Other assets (3)		905	Discounted cash flow	Discount rate	7 %	n/a

Financial Instrument	Fair Value	Valuation Technique		Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
(Dollars in millions)	Three Months Ended March 31, 2024					
Loans held-for-sale	$ 2,687	Pricing model	Pricing model	Implied yield	7% to 23%	n/a
Loans and leases (2)	45	Market comparables	Market comparables	OREO discount	10% to 66%	26 %

Costs to sell

Costs to sell

Year Ended December 31, 2022

Year Ended December 31, 2023

Year Ended December 31, 2023

Year Ended December 31, 2023

Financial Instrument	Financial Instrument	Fair Value	Valuation Technique	Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
Loans held-for-sale	Loans held-for-sale	$3,079	Pricing model	Implied yield	9% to 24%	n/a
Loans and leases (2)	Loans and leases (2)	166	Market comparables	OREO discount	10% to 66%	26 %
				Costs to sell	8% to 24%	9 %
Other assets (3)	Other assets (3)	165	Discounted cash flow	Discount rate	7 %	n/a

Loans held-for-sale

Loans held-for-sale

Financial Instrument	Fair Value	Valuation Technique		Significant Unobservable Inputs	Ranges of Inputs	Weighted Average (1)
	$ 2,793	Pricing model		Implied yield	7% to 23%	n/a
Loans and leases (2)	153	Market comparables	Market comparables	OREO discount	10% to 66%	26 %
Other assets (3)	898	Discounted cash flow		Discount rate	7 %	n/a

Costs to sell

Costs to sell

(1) The weighted average is calculated based upon the fair value of the loans.

(2) Represents residential mortgages where the loan has been written down to the fair value of the underlying collateral.

(3) Represents the fair value of certain impaired renewable energy investments.

n/a = not applicable

NOTE 15 Fair Value Option

The Corporation elects to account for certain financial instruments under the fair value option. For more information on the primary financial instruments for which the fair value option elections have been made, see *Note 21 – Fair Value Option* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K. The following tables provide information about the fair value carrying amount and the contractual principal outstanding of assets and liabilities 2023 March 31, 2024 and December 31, 2022 Decembe value of assets and liabilities accounted for under the fa Income for the three and nine months ended September

Fair Value Option Elections

Fair Value Option Elections

September 30, 2023	December 31, 2022
March 31, 2024	
March 31, 2024	
March 31, 2024	Dece

(Dollars in millions)	(Dollars in millions)	Fair Value Carrying Amount	Contractual Principal Outstanding	Fair Value Carrying Amount Less Unpaid Principal	Fair Value Carrying Amount	Contractual Principal Outstanding	Fair Value Carrying Amount Less Unpaid Principal
Federal funds sold and securities borrowed or purchased under agreements to resell	Federal funds sold and securities borrowed or purchased under agreements to resell	$ 170,332	$ 170,323	$ 9	$ 146,999	$ 147,158	$ (159)
Loans reported as trading account assets (1)	Loans reported as trading account assets (1)	8,562	15,975	(7,413)	10,143	17,682	(7,539)
Trading inventory – other	Trading inventory – other	22,967	n/a	n/a	20,770	n/a	n/a
Consumer and commercial loans	Consumer and commercial loans	4,250	4,317	(67)	5,771	5,897	(126)
Loans held-for-sale (1)	Loans held-for-sale (1)	1,607	2,365	(758)	1,115	1,873	(758)
Other assets	Other assets	1,271	n/a	n/a	620	n/a	n/a
Long-term deposits	Long-term deposits	404	488	(84)	311	381	(70)
Federal funds purchased and securities loaned or sold under agreements to repurchase	Federal funds purchased and securities loaned or sold under agreements to repurchase	209,837	209,914	(77)	151,708	151,885	(177)
Short-term borrowings	Short-term borrowings	4,046	4,065	(19)	832	833	(1)
Unfunded loan commitments	Unfunded loan commitments	62	n/a	n/a	110	n/a	n/a
Accrued expenses and other liabilities	Accrued expenses and other liabilities	1,645	1,894	(249)	1,217	1,161	56
Long-term debt	Long-term debt	39,443	45,504	(6,061)	33,070	36,830	(3,760)

(Dollars in millions)	Fair Value Carrying Amount	Contractual Principal Outstanding	Fair Value Carrying Amount Less Unpaid Principal
Trading inventory – other	28,194	n/a	n/a
Other assets Other assets	2,664	n/a	1,986
Unfunded loan commitments	78	n/a	n/a

(1) A significant portion of the loans reported as trading account assets and LHFS are distressed loans that were purchased at a deep discount to par, and the remainder are loans with a fair value near contractual principal outstanding.
n/a = not applicable

Gains (Losses) Related to Assets and Liabiliti

Gains (Losses) Related to Assets and Liabilities Accounted for Under the Fair Value Option

Gains (Losses) Related to Assets and Liabilities Accounted for Under the Fair Value Option

Three Months Ended March 31

Three Months Ended March 31

	Three Months Ended March 31				
	2024			2024	
(Dollars in millions)	Market making and similar activities	Other Income	Total	Market making and similar activities	Other Income

Three Months Ended September 30

Loans reported as trading account assets

(Dollars in millions)	2023 Market making and similar activities	2023 Other Income	2023 Total	2022 Market making and similar activities	2022 Other Income	2022 Total
Loans reported as trading account assets						
Loans reported as trading account assets	$ 58	$ —	$ 58	$ (62)	$ —	$ (62)
Trading inventory – other (1)	(900)	—	(900)	(2,141)	—	(2,141)
Consumer and commercial loans	(50)	15	(35)	(16)	25	9
Loans held-for-sale (2)	—	(38)	(38)	—	(86)	(86)
Short-term borrowings	(1)	—	(1)	81	—	81
Unfunded loan commitments						
Unfunded loan commitments						
Unfunded loan commitments	(1)	7	6	—	27	27
Accrued expenses and other liabilities	197	—	197	—	—	—
Long-term debt (3)	863	(4)	859	1,562	(16)	1,546
Other (4)	38	(1)	37	12	(1)	11
Total	$ 204	$ (21)	$ 183	$ (564)	$ (51)	$ (615)

Nine Months Ended September 30

(Dollars in millions)	2023 Market making and similar activities	2023 Other Income	2023 Total	2022 Market making and similar activities	2022 Other Income	2022 Total
Loans reported as trading account assets	$ 208	$ —	$ 208	$ (211)	$ —	$ (211)
Trading inventory – other (1)	2,065	—	2,065	(4,269)	—	(4,269)
Consumer and commercial loans	(189)	56	(133)	(86)	(53)	(139)
Loans held-for-sale (2)	—	(22)	(22)	—	(308)	(308)
Short-term borrowings	10	—	10	643	—	643

Unfunded loan commitments	**(1)**	**27**	**26**	—	(61)	(61)
Accrued expenses and other liabilities	**246**	**—**	**246**	—	—	—
Long-term debt (3)	**361**	**(27)**	**334**	5,049	(36)	5,013
Other (4)	**73**	**(12)**	**61**	6	23	29
Total	**$ 2,773**	**$ 22**	**$2,795**	$ 1,132	$ (435)	$ 697

(1) The gains (losses) in market making and similar activities are primarily offset by (losses) gains on trading liabilities that hedge these assets.

(2) Includes the value of IRLCs on funded loans, including those sold during the period.

(3) The net gains (losses) in market making and similar activities relate to the embedded derivatives in structured liabilities and are typically offset by (losses) gains on derivatives and securities that hedge these liabilities. For the cumulative impact of changes in the C *Accumulated Other Comprehensive Income (Loss)*. For more information on how the Corporation's own credit spread is determined, see *Note 20 – Fair Value Measurements* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report o

(4) Includes gains (losses) on federal funds sold and securities borrowed or purchased under agreements to resell, other assets, long-term deposits, short-term borrowings and federal funds purchased and securities loaned or sold under agreements to repurchase.

Gains (Losses) Related to Borrower-specific Credit Risk for Assets and Liabilities Accounted for Under the Fair Value Option

Gains (Losses) Related to Borrower-specific Credit Risk for Assets and Liabilities Accounted for Under the Fair Value Option

Gains (Losses) Related to Borrower-specific Credit Risk for Assets and Liabilities Accounted for Under the Fair Value Option

	Three Months Ended September 30	Nine Months Ended September 30

Gains (Losses) Related to Borrower-specific Credit Risk for Assets and Liabilities Accounted for Under the Fair Value Option

	Three Months Ended March 31

(Dollars in millions)	Three Months Ended March 31			
	2023	2022	**2023**	2022
Loans reported as trading account assets	**$ 19**	$ (123)	**$ 55**	$ (434)
Consumer and commercial loans	**5**	19	**41**	(72)
Loans held-for-sale	**(17)**	(3)	**(17)**	(14)
Unfunded loan commitments	**7**	27	**27**	(61)
Long-term debt				

Three Months Ended March 31
(Dollars in millions)
(Dollars in millions)
Loans reported as trading account assets
Loans reported as trading account assets
Consumer and commercial loans
Consumer and commercial loans
Loans held-for-sale
Loans held-for-sale
Unfunded loan commitments
Unfunded loan commitments
Long-term debt
Long-term debt

NOTE 16 Fair Value of Financial Instruments

The following disclosures include financial instruments that are not carried at fair value or only a portion of the ending balance is carried at fair value on the Consolidated Bal lending commitments and other financial instruments are accounted for under the fair value option. For more information, see *Note 21 – Fair Value Option* to the Consolidate Report on Form 10-K.

Fair Value of Financial Instruments

The carrying values and fair values by fair value hierarchy of certain financial instruments where only a portion of the ending balance was carried at fair value at September 30, 20 are presented in the following table.

Fair Value of Financial Instruments

(Dollars in millions)	Carrying Value	Level 2
		Sep
Financial assets		

Fair Value of Financial Instruments

(Dollars in millions)	Carrying Value	Level 2
Loans	$ 1,016,900	$ 49
Loans held-for-sale	7,591	4
Financial liabilities		
Deposits (1)	1,884,601	1,885
Long-term debt	290,359	28
Commercial unfunded lending commitments (2)	1,416	

Financial assets		
Loans	$ 1,015,776	$ 48
Loans held-for-sale	8,571	5
Financial liabilities		
Deposits (1)	1,946,496	1,947
Long-term debt	296,346	299
Commercial unfunded lending commitments (2)	1,236	

Financial assets		
Loans	$ 1,014,593	$ 50
Loans held-for-sale	6,871	3
Financial liabilities		
Deposits (1)	1,930,341	1,930
Long-term debt	275,982	27
Commercial unfunded lending commitments (2)	1,650	

Financial assets		
Loans	$ 1,020,281	$ 49
Loans held-for-sale	6,002	3
Financial liabilities		
Deposits (1)	1,923,827	1,925
Long-term debt	302,204	303
Commercial unfunded lending commitments (2)	1,275	

(1) Includes demand deposits of $887.7 billion $898.8 billion and $918.9 billion $897.3 billion with no stated maturities at September 30, 2023 March 31, 2024 and December 31, 2022 December 31, 2023.

(2) The carrying value of commercial unfunded lending commitments is included in accrued expenses and other liabilities on the Consolidated Balance Sheet. The Corporation does not estimate the fair value of consumer unfunded lending commitments because, in m

the borrower. For more information on commitments, see *Note 10 – Commitments and Contingencies*.

NOTE 17 Business Segment Information

The Corporation reports its results of operations through the following four business segments: *Consumer Banking*, *Global Wealth & Investment Management, Global Banking* and *Global Markets*, with the remaining operations recorded in *All Other*. For more information, see *Note 23 – Business Segment Information* to the Consolidated Financial Statements of the Corporation's 2022 2023 Annual Report on Form 10-K. The following ta thereto (with net interest income on an FTE basis for th the three and nine months ended September 30, 20 September 30, 2023 March 31, 2024 and 2022 2023 for e

Results of Business Segments and All Other ***Results of Business Segments and All Other***

At and for the three months ended September 30	Total Corporation (1)	Consumer Banking	Global Wealth & Investment Management

Results of Business Segments and All Other

Results of Business Segments and All Other

At and for the three months ended March 31

At and for the three months ended March 31

At and for the three months ended March 31	Total Corporation (1)	Consumer Banking

(Dollars in millions)	(Dollars in millions)	2023	2022	2023	2022	2023	2022
Net interest income	Net interest income	**$ 14,532**	$ 13,871	**$ 8,391**	$ 7,784	**$ 1,755**	$ 1,981
Net interest income							
Net interest income							
Noninterest income							
Noninterest income							
Noninterest income	Noninterest income	**10,788**	10,737	**2,081**	2,120	**3,566**	3,448
Total revenue, net of interest expense	Total revenue, net of interest expense	**25,320**	24,608	**10,472**	9,904	**5,321**	5,429
Total revenue, net of interest expense							
Total revenue, net of interest expense							
Provision for credit losses							
Provision for credit losses							
Provision for credit losses	Provision for credit losses	**1,234**	898	**1,397**	738	**(6)**	37
Noninterest expense	Noninterest expense	**15,838**	15,303	**5,256**	5,097	**3,950**	3,816
Noninterest expense							
Noninterest expense							
Income before income taxes							
Income before income taxes							
Income before income taxes	Income before income taxes	**8,248**	8,407	**3,819**	4,069	**1,377**	1,576
Income tax expense	Income tax expense	**446**	1,325	**955**	997	**344**	386
Income tax expense							
Income tax expense							
Net income	**Net income**	**$ 7,802**	$ 7,082	**$ 2,864**	$ 3,072	**$ 1,033**	$ 1,190
Net income							
Net income							
Period-end total assets							
Period-end total assets							
Period-end total assets	**Period-end total assets**	**$ 3,153,090**	$ 3,072,953	**$ 1,062,038**	$ 1,149,918	**$ 333,779**	$ 370,790

		Global Banking		**Global Markets**		**All Other**	
		2023	2022	**2023**	2022	**2023**	2022
Net interest income							
Net interest income							
Net interest income	Net interest income	**$ 3,613**	$ 3,326	**$ 674**	$ 743	**$ 99**	$ 37
Noninterest income	Noninterest income	**2,590**	2,265	**4,268**	3,740	**(1,717)**	(836)
Noninterest income							
Noninterest income							

Total revenue, net of interest expense

Total revenue, net of interest expense

Total revenue, net of interest expense / Total revenue, net of interest expense	**6,203**	5,591	**4,942**	4,483	**(1,618)**	(799)
Provision for credit losses / Provision for credit losses	**(119)**	170	**(14)**	11	**(24)**	(58)

Provision for credit losses

Provision for credit losses

Noninterest expense / Noninterest expense	**2,804**	2,651	**3,235**	3,023	**593**	716
Income before income taxes	**3,518**	2,770	**1,721**	1,449	**(2,187)**	(1,457)
Income tax expense	**950**	734	**473**	384	**(2,276)**	(1,176)
Net income	**$ 2,568**	$ 2,036	**$ 1,248**	$ 1,065	**$ 89**	$ (281)

Noninterest expense

Noninterest expense

Income (loss) before income taxes

Income (loss) before income taxes

Income (loss) before income taxes

Income tax expense (benefit)

Income tax expense (benefit)

Income tax expense (benefit)

Net income (loss)

Net income (loss)

Net income (loss)

Period-end total assets

Period-end total assets

Period-end total assets / Period-end total assets	**$ 588,578**	$ 575,442	**$ 864,792**	$ 848,752	**$ 303,903**	$ 128,051

(1) There were no material intersegment revenues.

Results of Business Segments and All Other

At and for the nine months ended September 30	**Total Corporation (1)**		**Consumer Banking**	
(Dollars in millions)	**2023**	2022	**2023**	
Net interest income	**$ 43,407**	$ 38,096	**$ 25,421**	$
Noninterest income	**33,637**	32,637	**6,281**	
Total revenue, net of interest expense	**77,044**	70,733	**31,702**	
Provision for credit losses	**3,290**	1,451	**3,753**	
Noninterest expense	**48,114**	45,895	**16,182**	
Income before income taxes	**25,640**	23,387	**11,767**	
Income tax expense	**2,269**	2,991	**2,942**	
Net income	**$ 23,371**	$ 20,396	**$ 8,825**	$
Period-end total assets	**$ 3,153,090**	$ 3,072,953	**$ 1,062,038**	$
	Global Banking		**Global Markets**	
	2023	2022	**2023**	

Net interest income	$ 11,210	$	8,304	$	1,080	$
Noninterest income	7,658		7,487		14,359	
Total revenue, net of interest expense	18,868		15,791		15,439	
Provision for credit losses	(347)		492		(71)	
Noninterest expense	8,563		8,133		9,935	
Income before income taxes	10,652		7,166		5,575	
Income tax expense	2,876		1,899		1,533	
Net income	$ 7,776	$	5,267	$	4,042	$
Period-end total assets	$ 588,578	$	575,442	$	864,792	$

(1) There were no material intersegment revenues.

The table below presents noninterest income and the associated components for the three and nine months ended September 30, 2023 March 31, 2024 and 2022 2023 for e
more information, see *Note 2 – Net Interest Income and Noninterest Income*.

Noninterest Income by Business Segment and All Other ***Noninterest Income by Business Segment and All Other***

Noninterest Income by Business Segment and All Other

Noninterest Income by Business Segment and All Other

		Total Corporation		Consumer Banking		Global Wealth & Investment Management	
		Three Months Ended September 30					
		Total Corporation					
		Total Corporation					
		Total Corporation					
		Three Months Ended March 31					
		Three Months Ended March 31					
		Three Months Ended March 31					
(Dollars in millions)							
(Dollars in millions)							
(Dollars in millions)	(Dollars in millions)	**2023**	2022	**2023**	2022	**2023**	2022
Fees and commissions:	**Fees and commissions:**						
Fees and commissions:							
Fees and commissions:							
Card income							
Card income							
Card income	**Card income**						
Interchange fees	Interchange fees	**$ 994**	$ 1,060	**$ 789**	$ 834	**$ (5)**	$ 4
Interchange fees							
Interchange fees							
Other card income							

Other card income							
Other card income	Other card income	**526**	513	**536**	497	**14**	12
Total card income	Total card income	**1,520**	1,573	**1,325**	1,331	**9**	16
Total card income							
Total card income							
Service charges							
Service charges							
Service charges	**Service charges**						
Deposit-related fees	Deposit-related fees	**1,124**	1,162	**605**	597	**10**	18
Deposit-related fees							
Deposit-related fees							
Lending-related fees							
Lending-related fees							
Lending-related fees	Lending-related fees	**340**	304	**—**	—	**10**	—
Total service charges	Total service charges	**1,464**	1,466	**605**	597	**20**	18
Total service charges							
Total service charges							
Investment and brokerage services							
Investment and brokerage services							
Investment and brokerage services	**Investment and brokerage services**						
Asset management fees	Asset management fees	**3,103**	2,920	**51**	47	**3,054**	2,874
Asset management fees							
Asset management fees							
Brokerage fees							
Brokerage fees							
Brokerage fees	Brokerage fees	**860**	875	**29**	26	**342**	381
Total investment and brokerage services	Total investment and brokerage services	**3,963**	3,795	**80**	73	**3,396**	3,255
Total investment and brokerage services							
Total investment and brokerage services							
Investment banking fees							
Investment banking fees							
Investment banking fees	**Investment banking fees**						
Underwriting income	Underwriting income	**531**	452	**—**	—	**45**	47
Underwriting income							
Underwriting income							
Syndication fees							
Syndication fees							
Syndication fees	Syndication fees	**209**	283	**—**	—	**—**	—
Financial advisory services	Financial advisory services	**448**	432	**—**	—	**—**	—
Financial advisory services							
Financial advisory services							

Total investment banking fees

Total investment banking fees

Total investment banking fees	Total investment banking fees	1,188	1,167	—	—	45	47
Total fees and commissions	**Total fees and commissions**	**8,135**	8,001	**2,010**	2,001	**3,470**	3,336
Market making and similar activities	**Market making and similar activities**	**3,325**	3,068	**5**	3	**34**	30
Other income (loss)	**Other income (loss)**	**(672)**	(332)	**66**	116	**62**	82
Total noninterest income	**Total noninterest income**	**$ 10,788**	$ 10,737	**$ 2,081**	$ 2,120	**$ 3,566**	$ 3,448

Total fees and commissions

Total fees and commissions

Market making and similar activities

Market making and similar activities

Other income (loss)

Other income (loss)

Total noninterest income

Total noninterest income

	Global Banking		Global Markets		All Other (1)	
	Three Months Ended September 30					
	2023	2022	**2023**	2022	**2023**	2022

Global Banking **Global Markets**

Three Months Ended March 31

2024

2024

2024

Fees and commissions:

Fees and commissions:

Fees and commissions:	**Fees and commissions:**						
Card income	**Card income**						
Interchange fees	Interchange fees	**$ 194**	$ 204	**$ 16**	$ 18	**$ —**	$ —
Other card income	Other card income	**3**	2	**—**	—	**(27)**	2
Total card income	Total card income	**197**	206	**16**	18	**(27)**	2
Service charges	**Service charges**						

Card income

Card income

Interchange fees

Interchange fees

Other card income

Other card income

Total card income

Total card income

Service charges

Service charges

Deposit-related fees							
Deposit-related fees							
Deposit-related fees	Deposit-related fees	**490**	524	**19**	24	**—**	(1)
Lending-related fees	Lending-related fees	**264**	247	**66**	57	**—**	—
Lending-related fees							
Lending-related fees							
Total service charges							
Total service charges							
Total service charges	Total service charges	**754**	771	**85**	81	**—**	(1)
Investment and brokerage services	**Investment and brokerage services**						
Investment and brokerage services							
Investment and brokerage services							
Asset management fees							
Asset management fees							
Asset management fees	Asset management fees	**—**	—	—	—	**(2)**	(1)
Brokerage fees	Brokerage fees	**14**	11	**475**	457	**—**	—
Brokerage fees							
Brokerage fees							
Total investment and brokerage services							
Total investment and brokerage services							
Total investment and brokerage services	Total investment and brokerage services	**14**	11	**475**	457	**(2)**	(1)
Investment banking fees	**Investment banking fees**						
Investment banking fees							
Investment banking fees							
Underwriting income							
Underwriting income							
Underwriting income	Underwriting income	**230**	181	**318**	260	**(62)**	(36)
Syndication fees	Syndication fees	**117**	148	**92**	135	**—**	—
Syndication fees							
Syndication fees							
Financial advisory services							
Financial advisory services							
Financial advisory services	Financial advisory services	**396**	397	**53**	35	**(1)**	—
Total investment banking fees	Total investment banking fees	**743**	726	**463**	430	**(63)**	(36)
Total investment banking fees							
Total investment banking fees							
Total fees and commissions							
Total fees and commissions							
Total fees and commissions	**Total fees and commissions**	**1,708**	1,714	**1,039**	986	**(92)**	(36)

Market making and similar activities	Market making and similar activities	21	52	**3,195**	2,874	**70**	109
Market making and similar activities							
Market making and similar activities							
Other income (loss)							
Other income (loss)							
Other income (loss)	Other income (loss)	861	499	**34**	(120)	**(1,695)**	(909)
Total noninterest income	Total noninterest income	$ 2,590	$ 2,265	**$4,268**	$3,740	**$(1,717)**	$ (836)
Total noninterest income							
Total noninterest income							

(1) *All Other* includes eliminations of intercompany transactions.

Noninterest Income by Business Segment and All Other

	Total Corporation		Consumer B	
			Nine Months Ended S	
(Dollars in millions)	**2023**	2022	**2023**	
Fees and commissions:				
Card income				
Interchange fees	**$ 2,973**	$ 3,067	**$ 2,350**	$
Other card income	**1,562**	1,464	**1,590**	
Total card income	**4,535**	4,531	**3,940**	
Service charges				
Deposit-related fees	**3,266**	4,109	**1,729**	
Lending-related fees	**972**	907	**—**	
Total service charges	**4,238**	5,016	**1,729**	
Investment and brokerage services				
Asset management fees	**8,990**	9,308	**147**	
Brokerage fees	**2,664**	2,870	**83**	
Total investment and brokerage services	**11,654**	12,178	**230**	
Investment banking fees				
Underwriting income	**1,757**	1,559	**—**	
Syndication fees	**620**	896	**—**	
Financial advisory services	**1,186**	1,297	**—**	
Total investment banking fees	**3,563**	3,752	**—**	
Total fees and commissions	**23,990**	25,477	**5,899**	
Market making and similar activities	**11,734**	9,023	**15**	
Other income (loss)	**(2,087)**	(1,863)	**367**	
Total noninterest income	**$ 33,637**	$ 32,637	**$ 6,281**	$

	Global Banking		Global Mar	
			Nine Months Ended S	
	2023	2022	**2023**	
Fees and commissions:				
Card income				
Interchange fees	**$ 580**	$ 573	**$ 51**	$
Other card income	**7**	5	**—**	

Total card income	587	578	51	
Service charges				
Deposit-related fees	1,446	1,849	59	
Lending-related fees	757	741	189	
Total service charges	2,203	2,590	248	
Investment and brokerage services				
Asset management fees	—	—	—	
Brokerage fees	37	36	1,507	
Total investment and brokerage services	37	36	1,507	
Investment banking fees				
Underwriting income	742	635	1,016	
Syndication fees	345	466	275	
Financial advisory services	1,042	1,197	144	
Total investment banking fees	2,129	2,298	1,435	
Total fees and commissions	4,956	5,502	3,241	
Market making and similar activities	135	181	11,002	
Other income (loss)	2,567	1,804	116	
Total noninterest income	$ 7,658	$ 7,487	$ 14,359	$

The table below presents a reconciliation of the four business segments' total revenue, net of interest expense, on an FTE basis, and net income to the Consolidated Statement of

(1) *All Other* includes eliminations of intercompany transactions.

Business Segment Reconciliations ***Business Segment Reconciliations***

Business Segment Reconciliations

(Dollars in millions)	(Dollars in millions)	Three Months Ended September 30		Nine Months Ended September 30	
		2023	2022	**2023**	2022

Business Segment Reconciliations

Three Months Ended March 31

Three Months Ended March 31

Three Months Ended March 31

(Dollars in millions)

(Dollars in millions)

Segments' total revenue, net of interest expense	**$ 26,938**	$ 25,407	**$ 81,887**	$ 74,259
Adjustments (1):				
Asset and liability management activities	**28**	(13)	**(404)**	(146)
Liquidating businesses, eliminations and other	**(1,646)**	(786)	**(4,439)**	(3,380)
FTE basis adjustment	**(153)**	(106)	**(422)**	(315)
Consolidated revenue, net of interest expense	**$ 25,167**	$ 24,502	**$ 76,622**	$ 70,418
Segments' total net income	**7,713**	7,363	**23,571**	21,359
Adjustments, net-of-tax (1):				
Asset and liability management activities	**16**	(24)	**(309)**	(106)
Liquidating businesses, eliminations and other	**73**	(257)	**109**	(857)
Consolidated net income	**$ 7,802**	$ 7,082	**$ 23,371**	$ 20,396

Segments' total revenue, net of interest expense
Segments' total revenue, net of interest expense
Segments' total revenue, net of interest expense
Adjustments (1):
Adjustments (1):
Adjustments (1):
Asset and liability management activities
Asset and liability management activities
Asset and liability management activities
Liquidating businesses, eliminations and other
Liquidating businesses, eliminations and other
Liquidating businesses, eliminations and other
FTE basis adjustment
FTE basis adjustment
FTE basis adjustment
Consolidated revenue, net of interest expense
Consolidated revenue, net of interest expense
Consolidated revenue, net of interest expense
Segments' total net income
Segments' total net income
Segments' total net income
Adjustments, net-of-tax (1):
Adjustments, net-of-tax (1):
Adjustments, net-of-tax (1):
Asset and liability management activities
Asset and liability management activities
Asset and liability management activities
Liquidating businesses, eliminations and other
Liquidating businesses, eliminations and other
Liquidating businesses, eliminations and other
Consolidated net income
Consolidated net income
Consolidated net income

March 31

March 31

	March 31
	2024
Segments' total assets	
Segments' total assets	
Segments' total assets	
Adjustments (1):	
Adjustments (1):	
Adjustments (1):	
Asset and liability management activities, including securities portfolio	
Asset and liability management activities, including securities portfolio	
Asset and liability management activities, including securities portfolio	
Elimination of segment asset allocations to match liabilities	
Elimination of segment asset allocations to match liabilities	
Elimination of segment asset allocations to match liabilities	
Other	
Other	
Other	
Consolidated total assets	
Consolidated total assets	
Consolidated total assets	

	September 30	
	2023	2022
Segments' total assets	**$ 2,849,187**	$ 2,944,902
Adjustments (1):		
Asset and liability management activities, including securities portfolio	**1,185,910**	1,129,824
Elimination of segment asset allocations to match liabilities	**(945,715)**	(1,065,057)
Other	**63,708**	63,284
Consolidated total assets	**$ 3,153,090**	$ 3,072,953

(1) Adjustments include consolidated income, expense and asset amounts not specifically allocated to individual business segments.

Glossary

Alt-A Mortgage – A type of U.S. mortgage that is considered riskier than A-paper, or “prime,” and less risky than “subprime,” the riskiest category. Typically, Alt-A mortgages are characterized by borrowers with less than full documentation, lower credit scores and higher LTVs.

Assets Under Management (AUM) – The total market value of assets under the investment advisory and/or discretion of *GWIM* which generate asset management fees based on a percentage of the assets’ market values. AUM reflects assets that are generally managed for institutional, high net worth and retail clients, and are distributed through various investment products including mutual funds, other commingled vehicles and separate accounts.

Banking Book – All on- and off-balance sheet financial instruments of the Corporation except for those positions that are held for trading purposes.

Brokerage and Other Assets – Non-discretionary client assets which are held in brokerage accounts or held for safekeeping.

Committed Credit Exposure – Any funded portion of a facility plus the unfunded portion of a facility on which the lender is legally bound to advance funds during a specified period under prescribed conditions.

Credit Derivatives – Contractual agreements that provide protection against a specified credit event on one or more referenced obligations.

Credit Valuation Adjustment (CVA) – A portfolio adjustment required to properly reflect the counterparty credit risk exposure as part of the fair value of derivative instruments.

Debit Valuation Adjustment (DVA) – A portfolio adjustment required to properly reflect the Corporation’s own credit risk exposure as part of the fair value of derivative instruments and/or structured liabilities.

Funding Valuation Adjustment (FVA) – A portfolio adjustment required to include funding costs on uncollateralized derivatives and derivatives where the Corporation is not permitted to use the collateral it receives.

Interest Rate Lock Commitment (IRLC) – Commitment with a loan applicant in which the loan terms are guaranteed for a designated period of time subject to credit approval.

Letter of Credit – A document issued on behalf of a customer to a third party promising to pay the third party upon presentation of specified documents. A letter of credit effectively substitutes the issuer’s credit for that of the customer.

Loan-to-value (LTV) – A commonly used credit quality r
the loan divided by the estimated value of the property se

Macro Products – Include currencies, interest rates and commodities products.

Margin Receivable – An extension of credit secured by eligible securities in certain brokerage accounts.

Matched Book – Repurchase and resale agreements or securities borrowed and loaned transactions where the overall asset and liability position is similar in size and/or maturity. Generally, these are entered into to accommodate customers where the Corporation earns the interest rate spread.

Mortgage Servicing Right (MSR) – The right to service a mortgage loan when the underlying loan is sold or securitized. Servicing includes collections for principal, interest and escrow payments from borrowers and accounting for and remitting principal and interest payments to investors.

Nonperforming Loans and Leases – Includes loans and leases that have been placed on nonaccrual status, including nonaccruing loans whose contractual terms have been restructured in a manner that grants a concession to a borrower experiencing financial difficulties.

Prompt Corrective Action (PCA) – A framework established by the U.S. banking regulators requiring banks to maintain certain levels of regulatory capital ratios, comprised of five categories of capitalization: “well capitalized,” “adequately capitalized,” “undercapitalized,” “significantly undercapitalized” and “critically undercapitalized.” Insured depository institutions that fail to meet certain of these capital levels are subject to increasingly strict limits on their activities, including their ability to make capital distributions, pay management compensation, grow assets and take other actions.

Subprime Loans – Although a standard industry definition for subprime loans (including subprime mortgage loans) does not exist, the Corporation defines subprime loans as specific product offerings for higher risk borrowers.

Troubled Debt Restructurings (TDRs)– Loans whose contractual terms have been restructured in a manner that grants a concession to a borrower experiencing financial difficulties. Certain consumer loans for which a binding offer to restructure has been extended are also classified as TDRs.

Value-at-Risk (VaR) – VaR is a model that simulates the value of a portfolio under a range of hypothetical scenarios in order to generate a distribution of potential gains and losses. VaR represents the loss the portfolio is expected to experience with a given confidence level based on historical data. A VaR model is an effective tool in estimating ranges of potential gains and losses on our trading portfolios.

Key Metrics

Active Digital Banking Users – Mobile and/or online active users over the past 90 days.

Active Mobile Banking Users – Mobile active users over the past 90 days.

Book Value – Ending common shareholders' equity divided by ending common shares outstanding.

Common Equity Ratio - Ending common shareholders' equity divided by ending total assets.

Deposit Spread – Annualized net interest income divided by average deposits.

Dividend Payout Ratio – Common dividends declared divided by net income applicable to common shareholders.

Efficiency Ratio – Noninterest expense divided by total revenue, net of interest expense.

Gross Interest Yield – Effective annual percentage rate divided by average loans.

Net Interest Yield – Net interest income divided by avera

Operating Margin – Income before income taxes divided

Return on Average Allocated Capital – Adjusted net in

Return on Average Assets – Net income divided by tota

Return on Average Common Shareholders' Equity – average common shareholders' equity.

Return on Average Shareholders' Equity – Net income

Risk-adjusted Margin – Difference between total reven average loans.

91Bank of America1

Acronyms

ABS	Asset-backed securities
AFS	Available-for-sale
ALM	Asset and liability management
AUM	Assets under management
BANA	Bank of America, National Association
BHC	Bank holding company
BofAS	BofA Securities, Inc.
BofASE	BofA Securities Europe SA
bps	Basis points
CCAR	Comprehensive Capital Analysis and Review
CDO	Collateralized debt obligation
CECL	Current expected credit losses
CET1	Common equity tier 1
CFTC	Commodity Futures Trading Commission
CLO	Collateralized loan obligation
CLTV	Combined loan-to-value
CVA	Credit valuation adjustment
DIF	Deposit Insurance Fund
DVA	Debit valuation adjustment
EPS	Earnings per common share
ESG	Environmental, social and governance
FDIC	Federal Deposit Insurance Corporation
FHA	Federal Housing Administration
FHLB	Federal Home Loan Bank
FHLMC	Freddie Mac
FICC	Fixed income, currencies and commodities
FICO	Fair Isaac Corporation (credit score)
FNMA	Fannie Mae
FTE	Fully taxable-equivalent
FVA	Funding valuation adjustment
GAAP	Accounting principles generally accepted in the United States of America
GLS	Global Liquidity Sources
GWIM	Global Wealth & Investment Management
HELOC	Home equity line of credit
HQLA	High Quality Liquid Assets
HTM	Held-to-maturity
IRLC	Interest rate lock commitment
ISDA	International Swaps and Derivatives Association, Inc.
LCR	Liquidity Coverage Ratio
LHFS	Loans held-for-sale
LTV	Loan-to-value
MBS	Mortgage-backed securities
MD&A	Management's Discussion and Analysis of Financial Condition and Results of Operations
MLI	Merrill Lynch International
MLPF&S	Merrill Lynch, Pierce, Fenner & Smith Incorporated
MSA	Metropolitan Statistical Area
MSR	Mortgage servicing right
NSFR	Net Stable Funding Ratio
OCI	Other comprehensive income
OREO	Other real estate owned
PCA	Prompt Corrective Action
GNMA	Government National Mortgage Ass
G-SIB	Global systemically important bank

RWA	Risk-weighted assets
SBLC	Standby letter of credit
SCB	Stress capital buffer
SEC	Securities and Exchange Commission
SLR	Supplementary leverage ratio
SOFR	Secured Overnight Financing Rate
TLAC	Total loss-absorbing capacity
VA	U.S. Department of Veterans Affairs
VaR	Value-at-Risk
VIE	Variable interest entity

Part II. Other Information

Bank of America Corporation and Subsidiaries

Item 1. Legal Proceedings

See Litigation and Regulatory Matters in *Note 10 – Commitments and Contingencies* to the Consolidated Financial Statements, which is incorporated by reference in this Item 1, for litigation and regulatory disclosure that supplements the disclosure in *Note 12 – Commitments and Contingencies* to the Consolidated Financial Statements of the Corporation's 2

Item 1A. Risk Factors

There are no material changes from the risk factors set forth under Part 1, Item 1A. Risk Factors of the Corporation's 2022 2023 Annual Report on Form 10-K.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

The table below presents share repurchase activity for the three months ended September 30, 2023 March 31, 2024. The primary source of funds for cash distributions by the banking subsidiaries. Each of the banking subsidiaries is subject to various regulatory policies and requirements relating to the payment of dividends, including requiremen Corporation's preferred stock outstanding has preference over the Corporation's common stock with respect to payment of dividends.

(Dollars in millions, except per share information; shares in thousands)	Total Common Shares Repurchased (1,2)	Weighted-Average Per Share Price	Total Sh Purchas

(Dollars in millions, except per share information; shares in thousands)	Total Common Shares Repurcha (1,2)
July January 1 - 31, 2023 2024	7,805 13,
August February 1 - 29, 2024	45,
March 1 - 31, 2023 2024	20,364 40,
September 1 - 30, 2023	6,
Three months ended September 30, 2023 March 31, 2024	**34,250 98,**

(1) Includes 1.7 million 26 million shares of the Corporation's commo of tax withholding obligations on vested restricted stock or re employment-related awards and for potential re-issuance to certa

(2) In October 2021, the Corporation's Board of Directors (Board) au time (October 2021 Authorization). Additionally, the Board autho compensation plans. In September 2023, the Board modified the repurchases to offset shares awarded under equity-based co authority. During the three months ended September 30, 202 Corporation repurchased 33 million approximately 73 million sh repurchases to offset shares awarded under equity-based compe

CCAR and Capital Planning in the MD&A on page 22 16 and

Statements.

(3) Remaining Buyback Authority Amounts represents the remaini

repurchases to offset shares awarded under equity-based compensa

The Corporation did not have any unregi
three months ended September 30, 2023 Marc

Item 5. Other Information

Trading Arrangements

During the fiscal quarter ended Septembe
Corporation's directors or officers (as defined
Act of 1934, as amended) adopted or termin
non-Rule 10b5-1 trading arrangement (in ea
Regulation S-K) for the purchase or sale of the

Disclosure Pursuant to Section 13(r) of the Securities Exchange Act of 1934

Pursuant to Section 13(r) of the Exchange Act, an issuer is required to disclose in its annual or quarterly reports, as applicable, whether it or any of its affiliates knowingly engaged in certain activities, transactions or dealings relating to Iran or with individuals or entities designated pursuant to certain Executive Orders. Disclosure may be required even where the

Item 6. Exhibits

					Incorporate Referen	
					Incorporate Referen	
					Incorporate Referen	
					Incorporate Referen	
Exhibit No.	Exhibit No.	Description	Notes	Form	Exhibit	Fi D
Exhibit No. Exhibit No.						

3.1					
3.1					
3.1	3.1	Restated Certificate of Incorporation, as amended and in effect on the date hereof	10-Q	3.1	4/2
3.2	3.2	Amended and Restated Bylaws of the Corporation as in effect on the date hereof	10-K	3.2	2/2
3.2					
3.2					
4.1					
4.1					
4.1					
4.2					
4.2					
4.2					
10.1					
10.1					
10.1					
10.2					
10.2					
10.2					
10.3					
10.3					
10.3					
10.4					
10.4					
10.4					
10.5					
10.5					
10.5					
22					
22					
22	22	Subsidiary Issuers of Guaranteed Securities	10-K	22	2/2

31.1	31.1	Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	1
	31.1		
	31.1		
31.2	31.2	Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	1
	31.2		
	31.2		
	32.1		
	32.1		
32.1	32.1	Certification of the Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002	2
32.2	32.2	Certification of the Chief Financial Officer pursuant to 18 U.S.C.	2

		[Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002]()	
32.2			
32.2			
101.INS	101.INS	Inline XBRL Instance Document	3
101.INS			
101.INS			
101.SCH			
101.SCH			
101.SCH	101.SCH	Inline XBRL Taxonomy Extension Schema Document	1
101.CAL	101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document	1
101.CAL			
101.CAL			
101.LAB	101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document	1
101.LAB			
101.LAB			
101.PRE			
101.PRE			
101.PRE	101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document	1
101.DEF	101.DEF	Inline XBRL Taxonomy Extension Definitions Linkbase Document	1
101.DEF			
101.DEF			

104	104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)
	104	
	104	

(1) Filed herewith.

(2) Exhibit is a management contract or compensatory plan or arrang

(3) Furnished herewith. This exhibit shall not be deemed "filed" for pu otherwise subject to the liability of that Section. Such exhibit shall Act of 1933 or the Securities Exchange Act of 1934.

(3) (4) The instance document does not appear in the interactive data document.

Signature

Pursuant to the requirements of the Securitie duly caused this report to be signed on its authorized.

Date: April 30, 2024

Form of Cash-Settled Rest
Agree

Award Agreement

This document contains your Awar America Corporation Equity Plan.

image_02a.jpg

Bank of America Corporatio Stock Units Award Agreeme

Granted to:
Grant date:
Grant type:
Grant code:
Number granted:

Note: The number of Restricted Stock
of $*[price]*, which is the ten (10)-day a
America Corporation common stock f
immediately preceding and including *[*

This Restricted Stock Units Award
hereto (the “Agreement”) is made b
Corporation, a Delaware corporatio
an employee of Bank of America o

Bank of America sponsors the Ban
Plan (the “Stock Plan”). A Prospec
has been delivered to you. The Sto
request, and its terms and provisio
reference. When used herein, the t
Stock Plan shall have the meaning
Plan, as modified herein (if applica

The Restricted Stock Units covere
granted to you in connection with t
Executive Incentive Compensation
terms and provisions.

1. Subject to the terms and
this Agreement, Bank of
number of Restricted St
Restricted

Stock Unit shall have a
Value of one (1) share o
stock.

2. You acknowledge having
to be bound by all the te
Plan and this Agreemen

3. The Restricted Stock Un
become earned by, and
with the terms and cond
Agreement in the amoun
the enclosed Exhibit A.

4. If a cash dividend is paid
common stock, you sha
equivalents, additional f
Units or other cash payr
dividends.

5. You may designate a ben
connection with the Res
hereunder in the event o
with Bank of America or
with Bank of America's b
procedures, as in effect
beneficiary designation
termination of employme
Subsidiaries (other than
due to your death) will re
termination of employme
beneficiary designation
enforceable and/or valid
America's beneficiary de
effect from time to time.
beneficiary or if your des
survive you, then your b

6. The existence of this Awa
the right or power of Ban
to make or authorize an
recapitalizations, reorga
Bank of America's capit
any merger or consolida
issue of bonds, debentu
stocks ahead of or conv
affecting the Bank of Am
rights thereof, or the dis
America, or any sale or
assets or business, or a
proceeding, whether of

7. Bank of America may, in
deliver any documents r
Awards that may be gra
electronic means or req
in the Stock Plan by ele
consent to receive such
delivery and, if requeste
Stock Plan through an o
established and maintai
third party designated b

Any notice which either
permitted to give to the
be delivered personally,
electronic mail or other e
service, postage prepaid
postal address and dire
America may notify you
your electronic mail or p

shown on the records o
time or as otherwise de
America, in its sole disc
mail or postal address a
America, may designate

8. To the extent allowed by
law and any applicable
determined at any time
Detrimental Conduct or
derivative transactions i
common stock in violati
Corporation Code of Co
performance incentives
America will be entitled
discretion some or all o

this Agreement. You re
Detrimental Conduct or
transactions involving B
the losses to Bank of A
may amount to the full
pursuant to this Agreem
subject to the requirem
Dodd-Frank Wall Street
Protection Act (regardin
awarded compensation
regulations thereunder
rules"), (ii) similar rules
jurisdiction and (iii) any
America to implement s
extent determined by B
be applicable to you. Fo
Dodd-Frank clawback r
apply to you, then (A) y
retain any portion of thi
erroneously awarded c
America may take actio
proceeds you receive fr
awarded compensation
Bank of America (wheth
otherwise), all in accord
clawback rules and the
(including the Incentive
Policy) and subject to th
law.

9. You acknowledge that B
you with any legal advic
with, and should consul
advisor prior to accepti

10. You acknowledge that,
Bank of America or you
for all income tax, socia

benefits tax, payment o
items (or, if applicable, y
your participation in the
is and remains your resp
amount (if any) withheld
employer. You further ac
and/or your employer (i)
undertakings regarding
Items in connection with
Stock Units, including bu
vesting of the Restricted
any age and/or length o
Award, (ii) do not comm
to structure the terms of
Restricted Stock Units to
liability for Tax-Related I

achieve any specific tax
and are under no obliga
for Tax-Related Items w
or any particular tax trea
have become subject to
one jurisdiction, you ack
or your employer (or for
may be required to withh
Items in more than one

In the event Bank of Am
your employer must with

agree as a condition of t
Units to make arrangem
America and/or your em
withholding requirement
but not limited to, withho
Related Items from the p
Units. In addition, you a
your employer to fulfill it
legal means, including,
Tax-Related Items from
compensation Bank of A
you. Bank of America m
Restricted Stock Units if
obligations in connection

11. The validity, constructio
are governed by, and su
Delaware and the laws o
in the Stock Plan, unles

applicable law. For purp
arises directly or indirec
parties evidenced by thi
parties hereby submit to
jurisdiction of North Car
litigation shall be condu
Mecklenburg County, N
courts for the United Sta
North Carolina, where th
performed, and no other
required by applicable la

12. In the event any provisi
held illegal or invalid for
invalidity shall not affect
Agreement, and the Agr
enforced as if the illegal
been included. This Agr
understanding between
regarding the Restricted
agreements, commitme
the Restricted Stock Un
the terms of the Stock P
amended by a written in

13. If you move to any coun
during the term of your A
conditions may apply to
reserves the right to imp
Award to the extent Ban
necessary or advisable
reasons and to require y
agreements or undertak
accomplish the foregoin

IN WITNESS WHEREOF, Bank of
Agreement to be executed by its d
have hereunto set your hand, all ef
above.

/s/ Brian T. Moynihan

Brian T. Moynihan
Chair and Chief Executive Officer

Bank of America Corporatio

PAYMENT OF RESTRICTED STO

(a) PAYMENT SCHEDULE. paragraphs (b), (c) and (e) below, t be earned and payable if you rema America and its Subsidiaries throu follows:

[schedule]

Payment shall be made as soon as generally within thirty (30) days afte Date.

(b) IMPACT OF TERMINAT PAYMENT OF RESTRICTED STO with Bank of America and its Subs the above Payment Date(s), then a Stock Units that has not yet becom become earned and payable or be reason for termination as follows.

(i) Death or Disability. Restricted Stock Units shall becom payable as of the date of your term termination is due to your death or as soon as administratively practic days after notification of terminatio

(ii) All Other Terminati Terminations, any portion of the Re already earned and payable pursu

the date of termination of employm date.

(c) COVENANTS.

(i) Detrimental Conduc period in which the Restricted Stoc not engage in Detrimental Conduct

(ii) Hedging or Derivat during any period in which the Res payable, you will not engage in any transactions involving Bank of Ame of the Bank of America Corporation undermine the performance incent

(iii) Remedies. Payme accordance with the schedule set f specifically conditioned on the requ each Payment Date, you do not en

hedging or derivative transactions
common stock, as described in par
such period. If Bank of America de
business judgment that you have f
requirements, then any portion of t
has not yet been paid as of the dat
immediately canceled as of the dat

(d) FORM OF PAYMENT. F
Units shall be made in the form of

Unit that is payable. The amount o
receive with respect to the Restrict
determined by multiplying the num
the Fair Market Value of one (1) sh
stock on the Payment Date.

(e) RECOVERY OF ERRO
COMPENSATION. If, immediately
otherwise provided by this Exhibit
Subsidiaries have been unable to r
awarded compensation that is requ
Dodd-Frank clawback rules and ar
America may reduce the net, after-
Award as of that Payment Date (af
requirements have been satisfied)
outstanding balance of erroneously
recovered from you as of the Paym
doubt, the full amount of the Award
Date shall be included in income to
and nothing in this paragraph (e) s
the Payment Date.

(f) DEFINITIONS. For purp
shall have the following meanings.

All Other Terminations m
employment with Bank of America
initiated by you or your employer, o
your death or Disability.

Cause shall be defined
offer letter or other applicable emp
no such definition, "Cause" means
employment with Bank of America
in conjunction with a determination
(i) committed an act of fraud or dis
employment; (ii) been convicted of
respect to) a crime constituting a fe

magnitude under applicable law (a
America in its sole discretion); (iii)
which causes you or Bank of Amer
violation of federal or state securiti
and/or the rules of any exchange c
America or its Subsidiaries is a me
disqualification; (iv) failed to perfor
failure is injurious to Bank of Amer
of America's or such Subsidiary's b
(v) materially breached any written
employment with Bank of America
including, but not limited to, the Ba
of Conduct and General Policy on
unauthorized disclosure of any cor
information of Bank of America or i
committed any other material viola
policies regarding confidential and

Detrimental Conduct me
unethical behavior, including any o
conduct that would constitute Caus
criminal act by you, whether or not
subjects, or if generally known, wo
its Subsidiaries to public ridicule or
improper or intentional conduct cau
of America, its Subsidiaries, or a cl
Subsidiaries; (iii) the breach of a fid
America or its

Subsidiaries or a client or former c
Subsidiaries; (iv) intentional violatio
disregard, of Bank of America's or
and procedures, specifically includ
obligations under the Bank of Ame
Conduct and workplace policies; o
trading positions that result in a ne
subsequent reporting period or tha
loss to Bank of America or its Subs
performance year.

Disability is as defined i

Form of Performance-Based F
Agree

Award Agreement

This document contains your Awar
America Corporation Equity Plan.

image_0b.jpg

Bank of America Corporatic
Performance Restricted Sto
Agreement

Granted to:
Grant date:
Grant type:
Grant code:
Number granted:

Note: The number of Restricted Stock
of $*[price]*, which is the ten (10)-day a
America Corporation common stock fo
immediately preceding and including *[*

This Performance Restricted Stock
Exhibits hereto (the "Agreement") i
America Corporation, a Delaware c
and you, an employee of Bank of A
Subsidiaries.

Bank of America sponsors the Bar
Plan (the "Stock Plan"). A Prospec
has been delivered to you. The Sto
request, and its terms and provisio
reference. When used herein, the

---

terms which are defined in the Stoc
given to them in the Stock Plan, as

The Restricted Stock Units covered
granted to you in connection with y
Performance Year *[year]* program,
and provisions.

1. Subject to the terms and
this Agreement, Bank of
number of Restricted St

Restricted Stock Unit sh
Market Value of one (1)
common stock.

2. You acknowledge having
to be bound by all the te
Plan and this Agreemen

3. The Restricted Stock Un
become earned by, and
with the terms and cond
Agreement in the amou
the enclosed Exhibit A.

4. If a cash dividend is paid
common stock, a cash c
total cash dividend you
Restricted Stock Units b
accumulated and paid ir
Restricted Stock Units b
Dividend equivalents ar
three (3)-year constant
on the grant date noted
payment date provided

5. To the extent that this Aw
that you shall comply wi
assurance as to future c
securities laws, as deter
condition precedent to t
pursuant to this Agreem
upon request, you will fu
providing that you will (i)
said Shares in violation
1933, as amended, (ii) i
America harmless again
violation and (iii) accept

6. To the extent allowed by
law and any applicable
determined at any time
Detrimental Conduct or
derivative transactions i
common stock in violati
Corporation Code of Co
long-term performance i
Bank of America will be
sole discretion some or
applicable, and any rela
you pursuant to this Agr
you engage in Detrimen
derivative transactions i
common stock, the loss
Subsidiaries may amou
or cash, as applicable, a
equivalents paid to you
addition, the Award is su

Section 954 of the Dodd

Wall Street Reform and
(regarding recovery of e
compensation) and any
regulations thereunder (
rules”), (ii) similar rules
jurisdiction and (iii) any
America to implement s
extent determined by Ba
be applicable to you. Fo

Dodd-Frank clawback ru
apply to you, then (A) yo
retain any portion of this
erroneously awarded co
America may take actio
proceeds you receive fr
awarded compensation
Bank of America (wheth
otherwise), all in accord
clawback rules and the
(including the Incentive
Policy) and subject to th
law.

7. You may designate a ben
connection with the Res
hereunder in the event o
with Bank of America or
with Bank of America’s b
procedures, as in effect
beneficiary designation
termination of employm
Subsidiaries (other than
due to your death) will r
termination of employm
beneficiary designation
enforceable and/or valid
America’s beneficiary de
effect from time to time.
beneficiary or if your des
survive you, then your b

8. The existence of this Awa
the right or power of Ban
to make or authorize an
recapitalizations, reorga
Bank of America’s capit
any merger or consolida

issue of bonds, debentu
stocks ahead of or conv
affecting the Bank of An
rights thereof, or the dis
America, or any sale or
assets or business, or a
proceeding, whether of

9. Bank of America may, in
deliver any documents r
Awards that may be gra
electronic means or req
in the Stock Plan by ele
consent to receive such
delivery and, if requeste
Stock Plan through an c
established and maintai
third party designated b

Any notice which either
permitted to give to the
be delivered personally,
electronic mail or other
service, postage prepaid
postal address and dire
America may

notify you from time to ti
mail or postal address a
of America from time to
appropriate by Bank of A
at such other electronic
by notice to Bank of Am
from time to time.

10. You acknowledge that E
provided you with any le
consult with, and should
legal advisor prior to acc

11. You acknowledge that, r
Bank of America or your
for all income tax, socia
benefits tax, payment or
items (or, if applicable, y
your participation in the
is and remains your resp
amount (if any) withheld
employer. You further ac
and/or your employer (i)

undertakings regarding
Items in connection with
Stock Units, including b
vesting of the Restricted
any age and/or length o
any Restricted Stock Un
Shares acquired upon t
Stock Units and the rec
dividend equivalents, (ii
no obligation to structur
aspect of the Restricted
eliminate your liability fo
any specific tax result a
under no obligation to u
Related Items which res
particular tax treatment
become subject to Tax-
jurisdiction, you acknow
your employer (or forme
be required to withhold
in more than one jurisdi

In the event Bank of Am
your employer must with
agree as a condition of
Units to make arrangem
America and/or your em
withholding requirement
but not limited to, withho
Related Items from the
Units. In addition, you a
your employer to fulfill it
legal means, including,
Tax-Related Items from
compensation Bank of A
you, withholding Tax-Re
proceeds, if any, receive
received in payment for
at the time of payment,
withholding obligations
amount which does not
tax rates in the applicab
may refuse to pay any e
you fail to comply with a
the Tax-Related Items.

12. The validity, constructio
are governed by, and su
Delaware and the laws

in the Stock Plan, unles
applicable law. For purp
arises directly or indirec
parties evidenced by thi
parties hereby submit to
jurisdiction of North Car
litigation shall be condu
Mecklenburg County, N
courts for the United Sta
North Carolina, where th
performed, and no other
required by applicable la

13. In the event any provisi
held illegal or invalid for
invalidity shall not affect
Agreement, and the Agr
enforced as if the illegal
been included. This Agr
understanding between
regarding the Restricted
agreements, commitme
the Restricted Stock Un
the terms of the Stock P
amended by a written in

14. If you move to any cour
during the term of your A
conditions may apply to
reserves the right to imp
Award to the extent Ban
necessary or advisable
reasons and to require y
agreements or undertak
accomplish the foregoin

IN WITNESS WHEREOF, Bank of
Agreement to be executed by its d

have hereunto set your hand, all ef
above.

/s/ Brian T. Moynihan

Brian T. Moynihan
Chair and Chief Executive Officer

Bank of America Corporatio

PAYMENT OF PERFORMANCE R

(a) PERFORMANCE VEST
SETTLEMENT DATE

(i) Performance Vestin
Date. Subject to the additional con
(iv) below, the number of Restricte
the Performance Period with respe
total number of Restricted Stock U
applicable weighting times (C) the
accordance with the following table
whole unit.

		Three-y Averag ROA (Ta Normaliz (50% Weighti
Standard	% Earned	Standa
Date: [standard] [standard] [standard] [standard]	October 31, 2023 [percentage earned] [percentage earned] [percentage earned] [percentage earned]	/s/ Rudolf Bless [standa [standa [standa [standa

Rudolf A.
Chief Acco

The Three-year Average ROA (Tax
year Average Growth in Adjusted T
accordance with conventional roun
basis point (for Three-year Averag
the nearest one-hundredth of a per
Growth in Adjusted TBV) (e.g., 50.
bps for Three-year Average ROA (
be rounded up to 5.26% for Three-
Adjusted TBV). The percentage ea
levels at or above the threshold lev
Average ROA (Tax-Normalized) ar
Average Growth in Adjusted TBV)
straight line basis and rounded to t
No interpolation shall apply for per
level. In addition, results for Three-

Normalized) and Three-year Avera
be calculated at the end of the Per
extent necessary, will be normalize
of changes in the Internal Revenue
regulations adopted after the first c

(ii) Determination. The
and the extent to which, the perfor
this paragraph (a) have been satis
shall be made as soon as practical
Performance Period with an effecti
results must be certified in writing l
settlement.

(iii) Settlement Date. T
portion of the Award that satisfies t
requirements under this paragraph
however, that in case of terminatio
death as set forth in paragraph (b)
death following termination of emp
(b)(ii), (b)(iv) or (c) below, the "Sett
your death. On the Settlement Dat

---

extent earned, the Restricted Stock
Settlement Date shall be settled 10
however, that Bank of America ma
determine before the Settlement D
the Restricted Stock Units then pay
than shares. In that case, the amou
equal the Fair Market Value of the
America common stock, determine
the portion of the Restricted Stock
determines to pay in the form of ca
shares. Settlement shall occur as s
practicable after the Settlement Da
days.

(iv) Additional Conditio
payable as of the Settlement Date,
Bank of America and its Subsidiari
except as otherwise provided in pa
addition, payment as of the Settlem
complying with the covenants set f
subject to the additional performan
set forth in paragraph (e) below an
erroneously awarded compensatio
below.

(b) IMPACT OF TERMINAT
RESTRICTED STOCK UNITS. If y

America and its Subsidiaries termi
Date, then the Restricted Stock Ur
dividend equivalents) shall become
canceled depending on the reason

(i) Death. The Restrict
dividend equivalents) shall become
payable as of the date of your term
termination is due to your death. P
administratively practicable, genera
notification of termination from the

(ii) Disability. If your e
Bank of America or its Subsidiaries
Restricted Stock Units (and any re
continue to become earned and pa
paragraph (a) above (without regar
by Bank of America or its Subsidia
subject to your complying with the

(d) below and subject to the additio
cancellation provision set forth in p
Notwithstanding anything in this pa
upon your death following a termin
America or its Subsidiaries due to
Stock Units (and any related divide
continuing to become earned and
provisions of this paragraph (b)(ii),
and payable, shall become immed
the date of your death, and payme
administratively practicable followi

(iii) Termination by you
employment is terminated by your
Restricted Stock Units (and any re
be immediately canceled as of the
employment.

(iv) Change in Control
this Agreement to the contrary, if (A
and (B) on or after the Change in C
second anniversary of the Change
employment is terminated without
employment with Bank of America
Reason, then the

Restricted Stock Units (and any re
become immediately earned as of
shall be payable as of the Settleme
covenants set forth in paragraph (d
additional performance-based can

paragraph (e) below. Notwithstand
(iv) to the contrary, upon your deat
your employment without Cause o
anniversary of a Change in Contro
employment with Bank of America
Reason on or before the second a
Control, the Restricted Stock Units
equivalents) that are continuing to
with the provisions of this paragrap
become payable, shall become im
of your death, and payment will be
administratively practicable followi

(v) All Other Terminati
Terminations, unless your terminat
Qualifying Termination as describe
Units (and any related dividend eq
canceled as of the date of your ter

(c) QUALIFYING TERMINA
terminates for any reason other tha
Cause or in connection with a Cha
paragraph (b)(iv) above and your t
Qualifying Termination, then the R
related dividend equivalents) shall
payable in accordance with paragr
whether you are employed by Ban
as of the Settlement Date), subject
cancellation provision set forth in p
that (i) to the extent permissible un
engage in Competition during such
covenants described in paragraph
1 of each year during which your R
payable, you provide Bank of Ame
have not engaged in Competition t
restriction in (i) above is applicable

To be effective, such certification m
such time and pursuant to such pro
shall establish from time to time. If
its reasonable business judgment
any of the foregoing requirements,
(and any related dividend equivale
canceled as of the date of such de
time to time following your Qualifyi
may require you to further certify th
Competition, and if you fail to fully
requirement Bank of America may
in Competition. Notwithstanding an
the contrary, upon your death follo
the Restricted Stock Units (and an
that are continuing to become earn
with the provisions of this paragrap
earned and payable, shall become
payable as of the date of your deat
soon as administratively practicabl

Notwithstanding anything in this Ag
you are a permanent resident of C
of California who is assigned to pe
America or any Subsidiary from an
Competition restriction and the cer
in this paragraph (c) will not apply
work in Massachusetts, the Compe

---

certification requirement described
for no more than one year followin
employment.

For the avoidance of doubt, the on
Agreement for engaging in Compe
covenant in paragraph (d)(i) below
Restricted Stock Units (and any re
not, for example, enforcement of th
or similar action. This limitation on
competition restrictions or covenan
under any other written agreement
the extent expressly provided for in

(d) <u>COVENANTS</u>.

(i) <u>Non-Solicitation</u>. Yo
which Restricted Stock Units (and
remain payable, to the maximum e
applicable law (A) you will not dire
for employment or encourage to le
America or its Subsidiaries, on you
other person or entity other than B
Subsidiaries, any person who is ar
or its Subsidiaries and (B) you will
own behalf or on behalf of any othe
Bank of America or its Subsidiaries
Bank of America or its Subsidiaries
with whom you worked or otherwis
course of your employment with Ba
Subsidiaries. Notwithstanding anyt
contrary, if you are a permanent re
tax resident of California who is as
Bank of America or any Subsidiary
California, the solicitation restrictio
above will not apply to this Award.

(ii) <u>Detrimental Condu</u>
period in which Restricted Stock U
equivalents) remain payable, you w
Conduct.

(iii) Hedging or Deriva
during any period in which Restrict
dividend equivalents) remain paya
hedging or derivative transactions
common stock in violation of the B
Code of Conduct that would under
incentive created by the Restricted

(iv) Remedies. Payme
any related dividend equivalents) c
specifically conditioned on the requ
such Settlement Date, you do not e
Detrimental Conduct or hedging or
described in paragraphs (d)(i), (ii) a
Bank of America determines in its
that you have failed to satisfy such
Restricted Stock Units (and any re
the date of such determination sha
determination.

(e) PERFORMANCE-BASE
PROVISION. In order to appropria
unpaid Restricted Stock Units (and
equivalents) may be canceled if

---

a loss occurs outside of the ordina
of America or a line of business, a
fiscal year (as determined under U
accounting principles in effect as o
loss in the "ordinary course of busi
from a planned winding down of a
loss outside of the ordinary course
losses such as those resulting from
deliberate or grossly negligent failu
or any loss that materially impairs
liquidity, or capital distribution plan
course of business occurs:

(i) at Bank of America
Officer, Chief Financial Officer, any
report who does not lead a line of b
who is (A) part of a staff function (s
operations, global strategy and ent
credit, sustainable finance and res
control function (such as audit, com
legal, risk, finance, etc.) or (C) any
taker who is not part of a line of bu

(ii) at Bank of America
are a senior leader who leads a lin

or head of such line of business); c

(iii) at your line of busi
material risk taker who is part of a
senior leader who leads a line of b

then your accountability for such lo
account such factors as (i) the mag
positive or negative variance from
involvement (including such factors
leadership role within Bank of Ame
the degree to which you were invo
determined to have contributed to
and (iv) such other factors as deem
purpose, a "line of business" mean
of America that conducts transacti
could result in a loss outside of the
determined by Bank of America in
of the grant date, includes the follo

Banking, Preferred Banking, Merril
Banking, Global Commercial Bank
Investment Banking and Global Ma
Human Capital Committee (for exe
Compensation Committee (for Ban
management team designated for
control functions, will review the los
Compensation and Human Capital
officers), Management Compensat
employees) or other management
purpose will then make a final dete
action or to cancel some or all of y
determinations will be final and bin

(f) RECOVERY OF ERRON
COMPENSATION. If, immediately
otherwise provided by this Exhibit
Subsidiaries have been unable to r
awarded compensation that is requ
Dodd-Frank clawback rules and ar
America may reduce the net, after-
Award as of that Settlement Date (
withholding requirements have bee
the outstanding balance of erroneo
be recovered from you as of the Se

avoidance of doubt, the full amoun
Settlement Date shall be included
Settlement Date and nothing in this
any acceleration of the Settlement

(g) DEFINITIONS. For purp
shall have the following meanings.

All Other Terminations r
employment with Bank of America
initiated by you or your employer, o
Termination; (ii) a termination due t
(iii) a termination by your employer
termination in connection with a Ch
paragraph (b)(iv) above.

Cause shall be defined
offer letter or other applicable emp
no such definition, "Cause" means
employment with Bank of America
in conjunction with a determination
(i) committed an act of fraud or dis
employment; (ii) been convicted of
respect to) a crime constituting a fe
magnitude under applicable law (a
America in its sole discretion); (iii)
which causes you or Bank of Amer
violation of federal or state securiti
and/or the rules of any exchange o
America or its Subsidiaries is a me
disqualification; (iv) failed to perfor
failure is injurious to Bank of Amer
of America's or such Subsidiary's b
(v) materially breached any written
employment with Bank of America
including, but not limited to, the Ba
of Conduct and General Policy on
unauthorized disclosure of any cor
information of Bank of America or i
committed any other material viola
policies regarding confidential and

Competition means you
indirectly, whether as a director, off
agent or otherwise, with a business
designated as a "Competitive Busi
effective as of the date of your tern
Notwithstanding anything in this Ag
scope of Competition will only be a
law. *[For Mr. Demare.*
"Competition" as defined in your Le

Detrimental Conduct me
unethical behavior, including any o
conduct that would constitute Caus
criminal act by you, whether or not
subjects, or if generally known, wo
its Subsidiaries to public ridicule or
improper or intentional conduct cau
of America, its Subsidiaries, or a cl
Subsidiaries; (iii) the breach of a fic

America or its Subsidiaries or a cli
America or its Subsidiaries; (iv) int
negligent disregard, of Bank of Am
policies, rules and procedures, spe
to any of your obligations under th
Code of Conduct and workplace p
maintaining trading

positions that result in a need to re
subsequent reporting period or tha

loss to Bank of America or its Subs
performance year.

Disability is as defined i

Good Reason means, p
with the Good Reason Process, th
following events without your cons
your responsibility, authority or dut
your base salary except for across
based on Bank of America and its
performance similarly affecting all
employees of Bank of America and
relocation of the office at which yo
immediately prior to a Change in C
fifty (50) miles from the location of
required to be based anywhere oth
extent you were not previously ass
except for required travel on your e
substantially consistent with your b
time of the Change in Control.

Good Reason Process
determine in good faith that a Goo
occurred; (ii) you notify Bank of Am
writing of the occurrence of the Go
(60) days of such occurrence; (iii)
Bank of America and its Subsidiari
less than thirty (30) days following
to remedy the condition; (iv) notwit
Reason condition continues to exis
(v) you terminate your employmen
(60) days after the end of the Cure
Subsidiaries cures the Good Reas
Period, and you terminate your em
and its Subsidiaries due to such co
cure), then you will not be deemed
employment for Good Reason.

*[For Mr. Demare:*Letter
agreement with Bank of America d

Performance Period me
period beginning *[date]* and ending

Qualifying Termination r
employment with Bank of America
have (i) reached at least age sixty
service of at least ten (10) years a
(55). Your length of service will be
in its sole discretion, and, in that re
qualified 401(k) plan sponsored by
Subsidiaries, your length of service
under the tax-qualified 401(k) plan
[For Mr. Demare: Notwithstanding
of employment shall be deemed a
are eligible for an equity protection
Award as described in your Letter
termination of employment with Ba
Subsidiaries occurs on or after the
Agreement and in accordance with
provisions of your Letter Agreemen

[For Mr. Koder: Notwithstanding th
employment shall be deemed a Qu
eligible for an equity protection gu
Award as described in your offer le
employment agreement and (ii) yo
with Bank of America and its Subs
date specified in your offer letter o

agreement and in accordance with
provisions of your offer letter or oth
agreement.*]*

Three-year Average Gr
average year-over-year percentag
book value" for the three (3) calen
Period. For this purpose, "adjusted
year will equal Bank of America's t
equity, less (i) the cumulative impa
approved by the Board and comple
the Performance Period, and less
of (A) goodwill and (B) intangible a
servicing rights, adjusted for (C) de
related to (A) and (B). Each year-o
measured after the conclusion of e
beginning balance as of January 1
December 31 of that year and, to t
normalized to exclude the material

Internal Revenue Code of 1986 an
after the first day of the Performan

Three-year Average RC
average "return on assets" for the t
Performance Period. For this purpo
determined at the conclusion of ea
accepted accounting principles ("G
extent necessary, will be normalize
of changes in the Internal Revenue
regulations adopted after the first d

Exhibit 10.3

image_1a.jpg

Form of Time-Based Cash-Settled Restricted Stock Units Award Agreement

Award Agreement

This document contains your Award Agreement under the Bank of America Corporation Equity Plan.

image_0a.jpg

Bank of America Corporation Equity Plan Restricted Stock Units Award Agreement

Granted to:
Grant date:
Grant type:
Grant code:
Number granted:

*[*Note: The number of Restricted Stock Units is based on a "divisor price" of $*[price]*, which is the ten (10)-day average closing price of Bank of America Corporation common stock for the ten (10) business days immediately preceding and including *[date].]*

This Restricted Stock Units Award Agreement and all Exhibits hereto (the "Agreement") is made between Bank of America Corporation, a Delaware corporation ("Bank of America"), and you, an employee of Bank of America or one of its Subsidiaries.

Bank of America sponsors the Bank of America Corporation Equity Plan (the "Stock Plan"). A Prospectus describing the Stock Plan has been delivered to you. The Stock Plan itself is available upon request, and its terms and provisions are incorporated herein by reference. When used herein, the terms which are defined in the Stock Plan shall have the meanings given to them in the Stock Plan, as modified herein (if applicable).

Page 2 of 13

The Restricted Stock Units covered by this Agreement are being granted to you in connection with your participation in the Performance Year *[year]* program, subject to the following terms and provisions.

1. Subject to the terms and conditions of the Stock Plan and this Agreement, Bank of America grants to you the number of Restricted Stock Units shown above. Each Restricted Stock Unit shall have a value equal

to the Fair Market Value of one (1) share of Bank of America common stock.

2. You acknowledge having read the Prospectus and agree to be bound by all the terms and conditions of the Stock Plan and this Agreement.

3. The Restricted Stock Units covered by this Award shall become earned by, and payable to, you in accordance with the terms and conditions of the Stock Plan and this Agreement in the amounts and on the dates shown on the enclosed Exhibit A.

4. If a cash dividend is paid with respect to Bank of America common stock, a cash dividend equivalent equal to the total cash dividend you would have received had your Restricted Stock Units been actual Shares will be accumulated and paid in cash through payroll when the Restricted Stock Units become earned and payable. Dividend equivalents are credited with interest at the three (3)-year constant maturity Treasury rate in effect on the

grant date noted above until the applicable payment date provided in Exhibit A.

5. To the extent allowed by and consistent with applicable law and any applicable limitations period, if it is determined at any time that you have engaged in Detrimental Conduct or engaged in any hedging or derivative transactions involving Bank of America common stock in violation of the Bank of America Corporation Code of Conduct that would undermine the long-term performance incentives created by the Award, Bank of America will be entitled to recover from you in its sole discretion some or all of the cash (and any related dividend equivalents) paid to you pursuant to this Agreement. You recognize that if you engage in Detrimental Conduct or any hedging or derivative transactions involving Bank of America common stock, the losses to Bank of America and/or its Subsidiaries may amount to the full

value of any cash (and any related dividend equivalents) paid to you pursuant to this Agreement. In addition, the Award is subject to the requirements of (i) Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (regarding recovery of erroneously awarded compensation) and any implementing rules and regulations thereunder (the “Dodd-Frank clawback rules”), (ii) similar rules under the laws of any other jurisdiction and (iii) any policies adopted by Bank of America to implement such requirements, all to the extent determined by Bank of America in its discretion to be applicable to you. For the avoidance of doubt, if the Dodd-Frank clawback rules and any implementing policy apply to you, then (A) you will not be entitled to earn or retain any portion of this Award that is determined to be erroneously awarded compensation, and (B) Bank of America may take action against this

Award or any proceeds you receive from it to recover any erroneously awarded compensation you may have received from Bank of America (whether related to this Award or otherwise), all in accordance with the Dodd-Frank clawback rules and the applicable implementing policy

(including the Incentive Compensation Recoupment Policy) and subject to the requirements of applicable law.

6. You may designate a beneficiary to receive payment in connection with the Restricted Stock Units granted hereunder in the event of your death while in service with Bank of America or its Subsidiaries in accordance with Bank of America's beneficiary designation procedures, as in effect from time to time. Any beneficiary designation in effect at the time of your termination of

employment with Bank of America and its Subsidiaries (other than a termination of employment due to your death) will remain in effect following your termination of employment unless you change your beneficiary designation or it otherwise ceases to be enforceable and/or valid in accordance with Bank of America's beneficiary designation procedures, as in effect from time to time. If you do not designate a beneficiary or if your designated beneficiary does not survive you, then your beneficiary will be your estate.

7. The existence of this Award shall not affect in any way the right or power of Bank of America or its stockholders to make or authorize any or all adjustments, recapitalizations, reorganizations or other changes in Bank of America's capital structure or its business, or any merger or consolidation of Bank of America, or any issue of bonds, debentures, preferred or prior preference stocks ahead of or

convertible into, or otherwise affecting the Bank of America common stock or the rights thereof, or the dissolution or liquidation of Bank of America, or any sale or transfer of all or any part of its assets or business, or any other corporate act or proceeding, whether of a similar character or otherwise.

8. Bank of America may, in its sole discretion, decide to deliver any documents related to this Award or future Awards that may be granted under the Stock Plan by electronic means or request your consent to participate in the Stock Plan by electronic means. You hereby consent to receive such documents by electronic delivery and, if requested, agree to participate in the Stock Plan through an online or electronic system established and maintained by Bank of America or a third party designated by Bank of America.

Any notice which either party hereto may be required or permitted to give to the other shall be in writing and may be delivered personally, by intraoffice mail, by fax, by electronic mail or other electronic means, or via a postal service, postage prepaid, to such electronic mail or postal address and directed to such person as Bank of America may notify you from time to time; and to you at your electronic mail or postal address as shown on the records of Bank of America from time to time or as otherwise determined appropriate by Bank of America, in its sole discretion, or at such other electronic mail or postal address as you, by notice to Bank of America, may designate in writing from time to time.

9. You acknowledge that Bank of America has not provided you with any legal advice. You have the right to consult with, and should consult with, your personal legal advisor prior to accepting this Agreement.

10. You acknowledge that, regardless of any action taken by Bank of America or your employer, the ultimate liability for all income tax, social insurance, payroll tax, fringe

benefits tax, payment on account or other tax-related items (or, if applicable, your portion thereof) related to your participation in the Stock Plan (“Tax-Related Items”) is and remains your responsibility and may exceed the amount (if any) withheld by Bank of America or your employer. You further acknowledge that Bank of America and/or your employer (i) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Restricted Stock Units, including but not limited to the grant and vesting of the Restricted Stock Units, your satisfaction of any age and/or length of service criteria, the payment of any Restricted Stock Units and the receipt of any dividends and/or dividend equivalents, (ii) do not commit to and are under no obligation to structure the terms of the Award or any aspect of the Restricted Stock Units to reduce or eliminate your liability for Tax-Related Items or achieve any specific tax result and (iii) do not commit to and are under no obligation to use a withholding method for Tax-Related Items which results in the most favorable or any particular tax treatment for you. Further, if you have become subject to Tax-Related Items in more than one jurisdiction, you acknowledge that Bank of America or your employer (or former employer, as applicable) may be required to withhold or account for Tax-Related Items in more than one jurisdiction.

In the event Bank of America determines that it and/or your employer must withhold any Tax-Related Items, you agree as a condition of the grant of the Restricted Stock Units to make arrangements satisfactory to Bank of America and/or your employer to enable it to satisfy all withholding requirements by all legal means, including, but not limited to, withholding any applicable Tax-Related Items from the pay-out of the Restricted Stock Units. In addition, you authorize Bank of America and/or your employer to fulfill its withholding obligations by all legal means, including, but not limited to, withholding Tax-Related Items from your wages, salary or other cash compensation Bank of America or your employer pays to you. Bank of America may refuse to pay any earned Restricted Stock Units if you fail to comply with any obligations in connection with the Tax-Related Items.

11. The validity, construction and effect of this Agreement are governed by, and subject to, the laws of the State of Delaware and the laws of the United States, as provided in the Stock Plan, unless otherwise required by applicable law. For purposes of litigating any dispute that arises directly or indirectly from the relationship of the parties evidenced by this Award or this Agreement, the

this Agreement, the parties hereby submit to and consent to the exclusive jurisdiction of North Carolina and agree that such litigation shall be conducted solely in the courts of Mecklenburg County, North Carolina or the federal courts for the United States for the Western District of North Carolina, where this Award is made and/or to be performed, and no other courts, unless otherwise required by applicable law.

12. In the event any provision of this Agreement shall be held illegal or invalid for any reason, the illegality or invalidity shall not affect the remaining parts of the Agreement, and the Agreement shall be construed and enforced as if the illegal or invalid provision had not been included. This Agreement constitutes the final understanding between you and Bank of America regarding the Restricted Stock Units. Any prior agreements, commitments or negotiations concerning the Restricted Stock Units are superseded.

Subject to the terms

of the Stock Plan, this Agreement may only be amended by a written instrument signed by both parties.

13. If you move to any country outside of the United States during the term of your Award, additional terms and conditions may apply to your Award. Bank of America reserves the right to impose other requirements on the Award to the extent Bank of America determines it is necessary or advisable for legal or administrative reasons and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

IN WITNESS WHEREOF, Bank of America has caused this Agreement to be executed by its duly authorized officer, and you have hereunto set your hand, all effective as of the grant date listed above.

/s/ Brian T. Moynihan

Brian T. Moynihan
Chair and Chief Executive Officer

Exhibit A

Bank of America Corporation Equity Plan

PAYMENT OF RESTRICTED STOCK UNITS

(a) PAYMENT SCHEDULE. Subject to the provisions of paragraphs (b), (c), (d), (e) and (g) below, the Restricted Stock Units (and any related dividend equivalents) shall be earned and payable in four (4) equal annual installments if you remain employed with Bank of America and its Subsidiaries through each of the payment dates as follows.

[schedule]

**Payment will be made as soon as administratively practicable, generally within thirty (30) days after the applicable payment date.*

(b) IMPACT OF TERMINATION OF EMPLOYMENT ON RESTRICTED STOCK UNITS. If your employment with Bank of America and its Subsidiaries terminates prior to any of the above payment dates, then any unearned Restricted Stock Units (and any related dividend equivalents) shall become earned and payable or be canceled depending on the reason for termination as follows.

follows:

(i) Death. Any unearned Restricted Stock Units (and any related dividend equivalents) shall become immediately earned and payable as of the date of your termination of employment if your termination is due to your death. Payment will be made as soon as administratively practicable, generally within thirty (30) days after notification of termination from the payroll system.

(ii) Disability. If your employment is terminated by your employer due to your Disability, then any unearned Restricted Stock Units (and any related dividend equivalents) shall continue to become earned and payable at such time as provided in the Payment Schedule described in paragraph (a) above (without regard to whether you are employed by Bank of America or its Subsidiaries), subject to your complying with the covenants set forth in paragraph (d) below and subject to the performance-based cancellation provision set forth in paragraph (e) below. Notwithstanding anything in this paragraph (b)(ii) to the contrary, upon your death following a termination of employment by your employer due to Disability, any unearned Restricted Stock Units (and any related dividend equivalents) that are continuing to become earned and payable in accordance with the provisions of this paragraph (b)(ii), but have not yet become earned and payable, shall become immediately earned and payable as of the date of your death, and payment will be made as soon as made as soon as administratively practicable following your death.

(iii) Termination by your Employer with Cause. If your employment is terminated by your employer with Cause, then any Restricted Stock Units (and any related dividend equivalents) that were not already paid to you pursuant to paragraph (a) above as of the date of your termination of employment shall be canceled as of that date.

(iv) Change in Control. Notwithstanding anything in this Agreement to the contrary, if (A) a Change in Control occurs and (B) on or after the Change in Control and on or before the second anniversary of the Change in Control either (1) your employment is terminated without Cause

or (2) you terminate your employment with Bank of America or its Subsidiaries for Good Reason, then any unearned Restricted Stock Units (and any related dividend equivalents) shall become immediately earned as of the date of such termination and shall be payable at such time as provided in the Payment Schedule described in paragraph (a) above, without regard to the covenants set forth in paragraph (d) below or the performance-based cancellation provision set forth in paragraph (e) below. Notwithstanding anything in this paragraph (b)(iv) to the contrary, upon your death following (A) a termination of your employment without Cause on or before the second anniversary of a Change in Control or (B) a termination of your employment with Bank of America or its Subsidiaries for Good Reason on or before the second anniversary of a Change in Control, any Restricted Stock Units (and any related dividend equivalents) that are continuing to become payable in accordance with the provisions of this paragraph (b)(iv), but have not yet become payable, shall become immediately payable as of the date of your death, and payment will be made as soon as administratively practicable following your death.

(v) All Other Terminations. Unless your termination of employment is a Qualifying Termination as described below, in the case of All Other Terminations, any Restricted Stock Units (and any related dividend equivalents) that were not already earned and payable pursuant to paragraph (a) above as of the date of your termination of employment shall be canceled as of that date.

[Qualifying Termination:

(c) QUALIFYING TERMINATION. If your employment terminates for any reason other than your death, your Disability, Cause or in connection with a Change in Control as described in paragraph (b)(iv) above and your termination of employment is a Qualifying Termination, then any unearned Restricted Stock

Units (and any related dividend equivalents) shall continue to become earned and payable in accordance with the Payment Schedule set forth in paragraph (a) above subject to the performance-based cancellation provision set forth in paragraph (e) below, provided that (i) to the extent permissible under applicable law, you do not engage in Competition during such period, (ii) you comply with the covenants described in paragraph (d) below and (iii) prior to each payment date, you provide Bank of America with a certification that you have not engaged in Competition to the extent the Competition restriction in (i) above is applicable.

To be effective, such certification must be provided on such form, at such time and pursuant to such procedures as Bank of America shall establish from time to time. If Bank of America determines in its reasonable business judgment that you have failed to satisfy any of the foregoing requirements, then any unearned Restricted Stock Units (and any related dividend equivalents) shall be immediately canceled as of the date of such determination. In addition, from time to time following your Qualifying Termination, Bank of America may require you to further certify that you are not engaging in Competition, and if you fail to fully cooperate with any such requirement Bank of America may determine that you are engaging in Competition. Notwithstanding anything in this paragraph (c) to the contrary, upon your death following a Qualifying following a Qualifying Termination, any unearned Restricted Stock Units (and any related dividend equivalents) that are continuing to become earned and payable in accordance with the provisions of this paragraph (c), but have not yet become earned and payable, shall become immediately earned and payable as of the date of your death, and payment will be made as soon as administratively practicable following your death. Notwithstanding anything in this

Agreement to the contrary, if (1) you are a permanent resident of California or you are a tax resident of California who is assigned to perform services for Bank of America or any Subsidiary from an office located in California, the Competition restriction and the certification requirement described in this paragraph (c) will not apply to this Award and (2) you live or work in Massachusetts, the Competition restriction and the certification requirement described in this paragraph (c) will apply for no more than one year following the date of your termination of employment.

For the avoidance of doubt, the only available remedy under this Agreement for engaging in Competition (or for breach of the covenant in paragraph (d)(i) below) is the cancelation of any unearned Restricted Stock Units (and any related dividend any related dividend equivalents), and not, for example, enforcement of the restrictions through injunction or similar action. This limitation on remedies does not apply to any competition restrictions or covenants that may be applicable to you under any other written agreement with Bank of America except to the extent expressly provided for in such other written agreement.*]*

(d) COVENANTS.

(i) Non-Solicitation. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, to the maximum extent permissible under applicable law (A) you will not directly or indirectly solicit or recruit for employment or encourage to leave employment with Bank of America or its Subsidiaries, on your own behalf or on behalf of any other person or entity other than Bank of America or its Subsidiaries, any person who is an employee of Bank of America or its Subsidiaries and (B) you will not, directly or indirectly, on your own behalf or on behalf of any other person or entity other than Bank of America or its Subsidiaries, solicit any client or customer of Bank of America or its Subsidiaries which you actively solicited or with whom you worked or otherwise had material contact in the course of your employment with Bank of America and its Subsidiaries. Notwithstanding anything in this Agreement to the contrary, if you are a permanent resident of California or you are a tax resident of California who is assigned to perform services for Bank of America or any for Bank of America or any Subsidiary from an office located in California, the solicitation restrictions described in (A) and (B) above will not apply to this Award.

(ii) Detrimental Conduct. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, you will not engage in Detrimental Conduct.

(iii) Hedging or Derivative Transactions. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, you will not engage in any hedging or derivative transactions involving Bank of America common stock in violation of the Bank of America Corporation Code of Conduct that would undermine the long-term performance incentive created by the Restricted Stock Units.

(iv) Remedies. Payment of Restricted Stock Units (and any related dividend equivalents) in accordance with the Payment Schedule set forth in paragraph (a) above is specifically conditioned on the requirement that at all times prior to each payment, you do not engage in solicitation, Detrimental Conduct or hedging or derivative transactions, as described in paragraphs (d)(i), (ii) and (iii), during such period. If Bank of America determines in its reasonable business judgment that you have failed to satisfy such requirements, then any Restricted Stock Units (and any related dividend equivalents) that have not yet been paid as of the date of such determination shall be canceled as of such date of determination.

[Performance-based cancellation provisions:

(e) PERFORMANCE-BASED CANCELLATION PROVISION. In order to appropriately balance risk and reward, unpaid Restricted Stock Units may be canceled if a loss occurs outside of the ordinary course of business. For a line of business or sub-line of business, a “loss” means a pre-tax loss for a fiscal year (as determined under U.S. generally accepted accounting principles in effect as of the close of such fiscal year). For an individual, a “loss” means that the aggregate profit and loss attributable to your activities is negative. A loss in the “ordinary course of business” means a loss resulting from a planned winding down of a business or legacy position, or a loss that is de minimis (e.g., a loss from a short-dated trading position that is within desk strategy and risk limits and which, aggregated with losses across all positions, is less than $1 million). A loss outside of the ordinary course includes (without limitation) losses such as those resulting from complex or high-risk trading strategies, risk or compliance violations, deliberate or grossly negligent failures to perform your job duties, or any loss that materially impairs Bank of America's solvency, liquidity, or capital distribution plans. If a loss outside of the ordinary course of business occurs:

(i) at Global Markets or Global Corporate and Investment Banking, if you are a senior business leader within the applicable group;

(ii) at a sub-line of business (e.g., FICC Trading, Investment Banking) within Global Markets or Global Corporate and Investment Banking, if you are a manager within the applicable sub-line of business; or

(iii) at your individual level;

then your accountability for such loss will be determined, taking into account such factors as (i) the magnitude of the loss (including positive or negative variance from plan); (ii) your degree of involvement (including such factors as your current or former leadership role within Global Markets orGlobal Corporate and Investment Banking, and the degree to which you were involved in decisions that are determined to have contributed to the loss); (iii) your performance; and (iv) such other factors as deemed appropriate. The management team designated for such purpose, together with key control functions, will review the loss and your accountability. The management team designated for such purpose will then make a final determination to either take no action or to cancel some or all of your Award. All such determinations will be final and binding.

(e) PERFORMANCE-BASED CANCELLATION PROVISION. In order to appropriately balance risk and reward, unpaid Restricted Stock Units (and any related dividend equivalents) may be canceled if a loss occurs outside of the ordinary course of business. For Bank of America or a line of business, a “loss” means a pre-tax loss for a fiscal year (as determined under U.S. generally accepted accounting principles in effect as of the close of such fiscal year). A loss in the “ordinary course of business” means a loss resulting from a planned winding down of a business or legacy position. A loss outside of the ordinary course includes (without limitation) losses such as those resulting from risk or compliance violations, deliberate or grossly negligent failures to perform your job duties, or any loss

that materially impairs Bank of America’s solvency, liquidity, or capital distribution plans. If a loss outside of the ordinary course of business occurs:

(i) at Bank of America, if you are the Chief Executive Officer, Chief Financial Officer, any Chief Executive Officer direct report who does not lead a line of business, or are any employee who is (A) part of a staff function (such as global technology, global operations, global strategy and enterprise platforms, enterprise credit, sustainable finance and research, etc.), (B) part of a key control function (such as audit, compliance, human resources, legal, risk, finance, etc.) or (C) any other individual material risk taker who is not part of a line of business;

(ii) at Bank of America or your line of business, if you are a senior leader who leads a line of business (e.g., are president or head of such line of business); or

(iii) at your line of business, if you are an individual material risk taker who is part of a line of business other than a senior leader who leads a line of business;

then your accountability for such loss will be determined, taking into account such factors as (i) the magnitude of the loss (including positive or negative variance from plan); (ii) your degree of involvement (including such factors as your current or former leadership role within Bank of America or the line of business, and the degree to which you were involved in decisions that are determined to have contributed to the loss); (iii) your performance; and (iv) such other factors as deemed appropriate. For this purpose, a “line of business” means an organizational unit of Bank of America that conducts transactions as an organizational unit that could result in a loss outside of the ordinary course, all as determined by Bank of determined by Bank of America in its sole discretion, and which, as of the grant date, includes the following business units: Retail Banking, Preferred Banking, Merrill, Private Bank, Business Banking, Global Commercial Banking, Global Corporate & Investment Banking and Global Markets. The Compensation and Human Capital Committee (for executive officers), Management Compensation Committee (for Band 1 employees) or other management team designated for such purpose, together with key control functions, will review the loss and your accountability. The Compensation and Human Capital Committee (for executive officers), Management Compensation Committee (for Band 1 employees) or other management team designated for such purpose will then make a final determination to either take no action or to cancel some or all of your Award. All such determinations will be final and binding.*]*

(f) FORM OF PAYMENT. Payment of Restricted Stock Units shall be made in the form of cash for each Restricted Stock Unit that is payable. The amount of the payment that you will receive with respect to the Award shall be determined by multiplying the number of Restricted Stock Units payable by the Fair Market Value of one (1) share of Bank of America common stock on the applicable payment date provided in paragraph (a) above.

(g) RECOVERY OF ERRONEOUSLY AWARDED COMPENSATION. If

COMPENSATION. If, immediately before a payment date otherwise provided by this Exhibit A, Bank of America or its Subsidiaries have been unable to recover from you erroneously awarded compensation that is required to be recovered under the Dodd-Frank clawback rules and any implementing policy, Bank of America may reduce the net, after-tax amount to be paid on your Award as of that payment date (after all applicable tax withholding requirements have been satisfied) by an amount up to the outstanding balance of erroneously awarded compensation to be recovered from you as of the payment date. For the

avoidance of doubt, the full amount of the Award payable as of the payment date shall be included in income to you as of that payment date and nothing in this paragraph (g) shall result in any acceleration of the payment date.

(h) DEFINITIONS. For purposes hereof, the following terms shall have the following meanings.

All Other Terminations means any termination of your employment with Bank of America and its Subsidiaries, whether initiated by you or your employer, other than (i) a Qualifying Termination; (ii) a termination due to your death or your Disability; (iii) a termination by your employer with Cause; and (iv) a termination in connection with a Change in Control as described in paragraph (b)(iv) above.

Cause shall be defined as that term is defined in your offer letter or other applicable employment agreement; or, if there is no such definition, “Cause” means a termination of your employment with Bank of America and its Subsidiaries if it occurs in conjunction with a determination by your employer that you have (i) committed an act of fraud or dishonesty in the course of your employment; (ii) been convicted of (or plead no contest with respect to) a crime constituting a felony or a crime of comparable magnitude under applicable law (as determined by Bank of America in its sole discretion); (iii) committed an act or omission which causes you or Bank of America or its Subsidiaries to be in violation of federal or state securities laws, rules or regulations, and/or the rules of any exchange or association of which Bank of America or its Subsidiaries is a member, including statutory disqualification; (iv) failed to perform your job duties where such failure is injurious to Bank of America or any Subsidiary, or to Bank of America’s or such Subsidiary’s business interests or reputation; (v) materially breached any written policy applicable to your employment with Bank of America or any of its Subsidiaries including, but not limited to, the Bank of America Corporation Code of Conduct and General Policy on Insider Trading; or (vi) made an unauthorized disclosure of any confidential or proprietary information of Bank of America or its Subsidiaries or have committed any other material violation of Bank of America's written policies regarding confidential and proprietary information.

[Competition:

Competition means your being engaged, directly or indirectly, whether as a director, officer, employee, consultant, agent or otherwise, with a business entity that is or later becomes designated as a "Competitive Business" based on the criteria effective as of the date of your termination of employment. Notwithstanding anything in this Agreement to the contrary, the scope of Competition will only be as broad as allowed by applicable law.*]*

*[For Mr. Demare:*Competition means "Competition" as defined in your Letter Agreement.*]*

Detrimental Conduct means your serious misconduct or unethical behavior, including any one of the following: (i) any conduct that would constitute Cause; (ii) the commission of a criminal act by you, whether or not performed in the workplace, that subjects, or if generally known, would subject Bank of America or its Subsidiaries to public ridicule or embarrassment, or other improper or intentional conduct causing reputational harm to Bank of America, its Subsidiaries, or a client of Bank of America or its Subsidiaries; (iii) the breach of a fiduciary duty owed to Bank of America or its Subsidiaries or a client or former client of Bank of America or its

Subsidiaries; (iv) intentional violation, or grossly negligent disregard, of Bank of America's or its Subsidiaries' policies, rules and

procedures, specifically including, but not limited to any of your obligations under the Bank of America Corporation Code of Conduct and workplace policies; or (v) you taking or maintaining trading positions that result in a need to restate financial results in a subsequent reporting period or that result in a significant financial loss to Bank of America or its Subsidiaries during or after the performance year.

Disability is as defined in the Stock Plan.

Good Reason means, provided that you have complied with the Good Reason Process, the occurrence of any of the following events without your consent: (i) a material diminution in your responsibility, authority or duty; (ii) a material diminution in your base salary except for across-the-board salary reductions based on Bank of America and its Subsidiaries' financial performance similarly affecting all or substantially all management employees of Bank of America and its Subsidiaries; or (iii) the relocation of the office at which you were principally employed immediately prior to a Change in Control to a location more than fifty (50) miles from the location of such office, or your being required to be based anywhere other than such office, except to the extent you were not previously assigned to a principal location and except for required travel on your employer's business to an extent substantially consistent with your business travel obligations at the time of the Change in Control.

Good Reason Process means that (i) you reasonably determine in good faith that a Good Reason condition has occurred; (ii) you notify Bank of America and its Subsidiaries in writing of the occurrence of the Good Reason condition within sixty (60) days of such occurrence; (iii) you cooperate in good faith with Bank of America and its Subsidiaries' efforts, for a period of not less than thirty (30) days following such notice (the "Cure Period"), to remedy the condition; (iv) notwithstanding such efforts, the Good Reason condition continues to exist following the Cure Period; and (v) you terminate your employment for Good Reason within sixty (60) days after the end of the Cure Period. If Bank of America or its Subsidiaries cures the Good Reason condition during the Cure Period, and you terminate your employment with Bank of America and its Subsidiaries due to such condition (notwithstanding its cure), then you will not be deemed to have terminated your employment for Good Reason.

*[For Mr. Demare:*Letter Agreement means your letter agreement with Bank of America dated November 9, 2021.*]*

[Qualifying Termination:

Qualifying Termination means your termination of employment with Bank of America and its Subsidiaries after you have *[*(i) a length of service of at least ten (10) years and (ii) a combined age and length of service equal to at least sixty (60). Your length of service will be determined by Bank of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries, your length of service shall be your "Vesting Service" under the tax-qualified 401(k) plan in which you participate / (i) a length of service of at least ten (10) years and (ii) reached at least age fifty (50). Your length of service will be determined by Bank of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries, your length of service shall be your "Vesting Service" under the tax-qualified 401(k) plan in which you participate. / (i) reached at least age sixty

(60) or (ii) attained a length of service of at least ten (10) years and reached at least age fifty-five (55). Your length of service will be determined by Bank of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries,

your length of service shall be your "Vesting Service" under the tax-qualified 401(k) plan in which you participate.*]]*

[For Mr. Demare: Notwithstanding the foregoing, your termination of employment shall be deemed a Qualifying Termination if (i) you are eligible for an equity protection guarantee with respect to your Award as described in your Letter Agreement and (ii) your termination of employment with Bank of America and its Subsidiaries occurs on or after the date specified in your Letter Agreement and in accordance with and subject to the terms and provisions of your Letter Agreement.*]*

[For Mr. Koder: Notwithstanding the foregoing, your termination of employment shall be deemed a Qualifying Termination if (i) you are eligible for an equity protection guarantee with respect to your Award as described in your offer letter or other applicable employment agreement and (ii) your termination of employment with Bank of America and its Subsidiaries occurs on or after the date specified in your offer letter or other applicable employment agreement and in accordance with and subject to the terms and provisions of your offer letter or other applicable employment agreement.*]*

Exhibit 10.4

image_11a.jpg

Form of Time-Based Share-Settled Restricted Stock Units Award Agreement

Award Agreement

This document contains your Award Agreement under the Bank of America Corporation Equity Plan.

image_01a.jpg

Bank of America Corporation Equity Plan Restricted Stock Units Award Agreement

Granted to:
Grant date:
Grant type:
Grant code:
Number granted:

*[*Note: The number of Restricted Stock Units is based on a "divisor price" of $*[price]*, which is the ten (10)-day average closing price of Bank of America Corporation common stock for the ten (10) business days immediately preceding and including *[date].]*

This Restricted Stock Units Award Agreement and all Exhibits hereto (the "Agreement") is made between Bank of America Corporation, a Delaware corporation ("Bank of America"), and you, an employee of Bank of America or one of its Subsidiaries.

Bank of America sponsors the Bank of America Corporation Equity Plan (the "Stock Plan"). A Prospectus describing the Stock Plan has been delivered to you. The Stock Plan itself is available upon request, and its terms and provisions are incorporated herein by reference. When used herein, the terms which are defined in the Stock Plan shall have the meanings given to them in the Stock Plan, as modified herein (if applicable).

(if applicable).

The Restricted Stock Units covered by this Agreement are being granted to you in connection with your participation in the Performance Year *[year]* program, subject to the following terms and provisions.

1. Subject to the terms and conditions of the Stock Plan and this Agreement, Bank of America grants to you the number of Restricted Stock Units shown above. Each Restricted Stock Unit shall have a value equal to the Fair Market Value of one (1) share of Bank of America common stock.

2. You acknowledge having read the Prospectus and agree to be bound by all the terms and conditions of the Stock Plan and this Agreement.

3. The Restricted Stock Units covered by this Award shall become earned by, and payable to, you in accordance with the terms and conditions of the Stock Plan and this Agreement in the

amounts and on the dates shown on the enclosed Exhibit A.

4. If a cash dividend is paid with respect to Bank of America common stock, a cash dividend equivalent equal to the total cash dividend you would have received had your Restricted Stock Units been actual Shares will be accumulated and paid in cash through payroll when the Restricted Stock Units become earned and payable. Dividend equivalents are credited with interest at the three (3)-year constant maturity Treasury rate in effect on the grant date noted above until the applicable payment date provided in Exhibit A.

5. To the extent that this Award is paid in Shares, you agree that you shall comply with (or provide adequate assurance as to future compliance with) all applicable securities laws, as determined by Bank of America, as a condition precedent to the delivery of any Shares pursuant to this Agreement. In addition, you agree that, upon request, you will furnish a

letter agreement providing that you will (i) not distribute or resell any of said Shares in violation of the U.S. Securities Act of 1933, as amended, (ii) indemnify and hold Bank of America harmless against all liability for any such violation and (iii) accept all liability for any such violation.

6. To the extent allowed by and consistent with applicable law and any applicable limitations period, if it is determined at any time that you have engaged in Detrimental Conduct or engaged in any hedging or derivative transactions involving Bank of America common stock in violation of the Bank of America Corporation Code of Conduct that would undermine the long-term performance incentives created by the Award, Bank of America will be entitled to recover from you in its sole discretion some or all of the Shares or cash, as applicable, and any related dividend equivalents paid to you pursuant to this Agreement. You

recognize that if you engage in Detrimental Conduct or any hedging or derivative transactions involving Bank of America common stock, the losses to Bank of America and/or its Subsidiaries may amount to the full value of any Shares or cash, as applicable, and any related dividend equivalents paid to you pursuant to this Agreement. In addition, the Award is subject to the requirements of (i) Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (regarding recovery of erroneously awarded compensation) and any implementing rules and regulations thereunder (the "Dodd-Frank clawback rules"), (ii) similar rules under the laws of any other jurisdiction

and (iii) any policies adopted by Bank of America to implement such requirements, all to the extent determined by Bank of America in its discretion to be applicable to you. For the avoidance of doubt, if the Dodd-Frank clawback rules and any implementing policy apply to you, then (A) you will not be entitled to earn or retain any portion of this Award that is determined to be erroneously awarded compensation, and (B) Bank of America may take action against this Award or any proceeds you receive from it to recover any erroneously awarded compensation you may have received from Bank of America (whether related to this Award or otherwise), all in accordance with the Dodd-Frank clawback rules and the applicable implementing policy (including the Incentive Compensation Recoupment Policy) and subject to the requirements of applicable law.

7. You may designate a beneficiary to receive payment in connection with the Restricted Stock Units granted hereunder in the event of your death

event of your death while in service with Bank of America or its Subsidiaries in accordance with Bank of America's beneficiary designation procedures, as in effect from time to time. Any beneficiary designation in effect at the time of your termination of employment with Bank of America and its Subsidiaries (other than a termination of employment due to your death) will remain in effect following your termination of employment unless you change your beneficiary designation or it otherwise ceases to be enforceable and/or valid in accordance with Bank of America's beneficiary designation procedures, as in effect from time to time. If you do not designate a beneficiary or if your designated beneficiary does not survive you, then your beneficiary will be your estate.

8. The existence of this Award shall not affect in any way the right or power of Bank of America or its stockholders to make or authorize any or all

adjustments, recapitalizations, reorganizations or other changes in Bank of America's capital structure or its business, or any merger or consolidation of Bank of America, or any issue of bonds, debentures, preferred or prior preference stocks ahead of or convertible into, or otherwise affecting the Bank of America common stock or the rights thereof, or the dissolution or liquidation of Bank of America, or any sale or transfer of all or any part of its assets or business, or any other corporate act or proceeding, whether of a similar character or otherwise.

9. Bank of America may, in its sole discretion, decide to deliver any documents related to this Award or future Awards that may be granted under the Stock Plan by electronic means or request your consent to participate in the Stock Plan by electronic means. You hereby consent to receive such documents by electronic delivery and, if requested, agree to participate in the Stock Plan through an online

or electronic system established and maintained by Bank of America or a third party designated by Bank of America.

Any notice which either party hereto may be required or permitted to give to the other shall be in writing and may be delivered personally, by intraoffice mail, by fax, by electronic mail or other electronic means, or via a postal service, postage prepaid, to such electronic mail or postal address and directed to such person as Bank of America may notify you from time to time; and to you at your electronic mail or postal address as shown on the records of Bank of America from time to time or as otherwise determined appropriate by Bank of America, in its sole discretion, or at such other electronic mail or

postal address as you, by notice to Bank of America, may designate in writing from time to time.

10. You acknowledge that Bank of America has not provided you with any legal advice. You have the right to consult with, and should consult with, your personal legal advisor prior to accepting this Agreement.

11. You acknowledge that, regardless of any action taken by Bank of America or your employer, the ultimate liability for all income tax, social insurance, payroll tax, fringe benefits tax, payment on account or other tax-related items (or, if applicable, your portion thereof) related to your participation in the Stock Plan ("Tax-Related Items") is and remains your responsibility and may exceed the amount (if any) withheld by Bank of America or your employer. You further acknowledge that Bank of America and/or your employer (i) make no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Restricted Stock Units, including but not limited to the

not limited to the grant and vesting of the Restricted Stock Units, your satisfaction of any age and/or length of service criteria, the payment of any Restricted Stock Units, the subsequent sale of any Shares acquired upon the vesting of the Restricted Stock Units and the receipt of any dividends and/or dividend equivalents, (ii) do not commit to and are under no obligation to structure the terms of the Award or any aspect of the Restricted Stock Units to reduce or eliminate your liability for Tax-Related Items or achieve any specific tax result and (iii) do not commit to and are under no obligation to use a withholding method for Tax-Related Items which results in the most favorable or any particular tax treatment for you. Further, if you have become subject to Tax-Related Items in more than one jurisdiction, you acknowledge that Bank of America or your employer (or former employer, as applicable) may be required to withhold or account for Tax-Related

Items in more than one jurisdiction.

In the event Bank of America determines that it and/or your employer must withhold any Tax-Related Items, you agree as a condition of the grant of the Restricted Stock Units to make arrangements satisfactory to Bank of America and/or your employer to enable it to satisfy all withholding requirements by all legal means, including, but not limited to, withholding any applicable Tax-Related Items from the pay-out of the Restricted Stock Units. In addition, you authorize Bank of America and/or your employer to fulfill its withholding obligations by all legal means, including, but not limited to, withholding Tax-Related Items from your wages, salary or other cash compensation Bank of America or your employer pays to you, withholding Tax-Related Items from the cash proceeds, if any, received upon any sale of any Shares received in payment for your Restricted Stock Units and, at the time of payment time of payment, withholding Shares to meet withholding obligations for Tax-Related Items, in an amount which does not exceed the maximum statutory tax rates in the applicable jurisdictions. Bank of America may refuse to pay any earned Restricted Stock Units if you fail to comply with any obligations in connection with the Tax-Related Items.

12. The validity, construction and effect of this Agreement are governed by, and subject to, the laws of the State of Delaware and the laws of the United States, as provided in the

Stock Plan, unless otherwise required by applicable law. For purposes of litigating any dispute that arises directly or indirectly from the relationship of the parties evidenced by this Award or this Agreement, the parties hereby submit to and consent to the exclusive jurisdiction of North

Carolina and agree that such litigation shall be conducted solely in the courts of Mecklenburg County, North Carolina or the federal courts for the United States for the Western District of North Carolina, where this Award is made and/or to be performed, and no other courts, unless otherwise required by applicable law.

13. In the event any provision of this Agreement shall be held illegal or invalid for any reason, the illegality or invalidity shall not affect the remaining parts of the Agreement, and the Agreement shall be construed and enforced as if the illegal or invalid provision had not been included. This Agreement constitutes the final understanding between you and Bank of America regarding the Restricted Stock Units. Any prior agreements, commitments or negotiations concerning the Restricted Stock Units are superseded. Subject to the terms of the Stock Plan, this Agreement may only be amended by a written

instrument signed by both parties.

14. If you move to any country outside of the United States during the term of your Award, additional terms and conditions may apply to your Award. Bank of America reserves the right to impose other requirements on the Award to the extent Bank of America determines it is necessary or advisable for legal or administrative reasons and to require you to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing.

IN WITNESS WHEREOF, Bank of America has caused this Agreement to be executed by its duly authorized officer, and you have hereunto set your hand, all effective as of the grant date listed above.

/s/ Brian T. Moynihan

Brian T. Moynihan
Chair and Chief Executive Officer

Exhibit A

Bank of America Corporation Equity Plan

PAYMENT OF RESTRICTED STOCK UNITS

(a) PAYMENT SCHEDULE. Subject to the provisions of paragraphs (b), (c), (d), (e) and (g) below, the Restricted Stock Units (and any related dividend equivalents) shall be earned and payable in four (4) equal annual installments if you remain employed with Bank of America and its Subsidiaries through each of the payment dates as follows.

[schedule]

**Payment will be made as soon as administratively practicable, generally within thirty (30) days after the applicable payment date.*

(b) IMPACT OF TERMINATION OF EMPLOYMENT ON RESTRICTED STOCK UNITS. If your employment with Bank of America and its Subsidiaries terminates prior to any of the above payment dates, then any unearned Restricted Stock Units (and any related dividend equivalents) shall become earned and payable or be canceled depending on the reason for termination as follows.

(i) Death. Any unearned Restricted Stock Units (and any related dividend equivalents) shall become immediately earned and payable as of the date of your termination of employment if your termination is due to your death. Payment will be made as soon as administratively practicable, generally within thirty (30) days after thirty (30) days after notification of termination from the payroll system.

(ii) Disability. If your employment is terminated by your employer due to your Disability, then any unearned Restricted Stock Units (and any related dividend equivalents) shall continue to become earned and payable at such time as provided in the Payment Schedule described in paragraph (a) above (without regard to whether you are employed by Bank of America or its Subsidiaries), subject to your complying with the covenants set forth in paragraph (d) below and subject to the performance-based cancellation provision set forth in paragraph (e) below. Notwithstanding anything in this paragraph (b)(ii) to the contrary, upon your death following a termination of employment by your employer due to Disability, any unearned Restricted Stock Units (and any related dividend equivalents) that are continuing to become earned and payable in accordance with the provisions of this paragraph (b)(ii), but have not yet become earned and payable, shall become immediately earned and payable as of the date of your death, and payment will be made as soon as administratively practicable following your death.

(iii) Termination by your Employer with Cause. If your employment is terminated by your employer with Cause, then any Restricted Stock Units (and any related dividend equivalents) that were not already paid to you pursuant to paragraph (a) above as of the date of your termination of the date of your termination of employment shall be canceled as of that date.

(iv) Change in Control. Notwithstanding anything in this Agreement to the contrary, if (A) a Change in Control occurs and (B) on or after the Change in Control and on or before the second anniversary of the Change in Control either (1) your employment is terminated without Cause

or (2) you terminate your employment with Bank of America or its Subsidiaries for Good Reason, then any unearned Restricted Stock Units (and any related dividend equivalents) shall become immediately earned as of the date of such termination and shall be payable at such time as provided in the Payment Schedule described in paragraph (a) above, without regard to the covenants set forth in paragraph (d) below or the performance-based cancellation provision set forth in paragraph (e) below. Notwithstanding anything in this paragraph (b)(iv) to the contrary, upon your death following (A) a termination of your employment without Cause on or before the second anniversary of a Change in Control or (B) a termination of your employment with Bank of America or its Subsidiaries for Good Reason on or before the second anniversary of a Change in Control, any Restricted Stock Units (and

Restricted Stock Units (and any related dividend equivalents) that are continuing to become payable in accordance with the provisions of this paragraph (b)(iv), but have not yet become payable, shall become immediately payable as of the date of your death, and payment will be made as soon as administratively practicable following your death.

(v) All Other Terminations. Unless your termination of employment is a Qualifying Termination as described below, in the case of All Other Terminations, any Restricted Stock Units (and any related dividend equivalents) that were not already earned and payable pursuant to paragraph (a) above as of the date of your termination of employment shall be canceled as of that date.

[Qualifying Termination:

(c) QUALIFYING TERMINATION. If your employment terminates for any reason other than your death, your Disability, Cause or in connection with a Change in Control as described in paragraph (b)(iv) above and your termination of employment is a Qualifying Termination, then any unearned Restricted Stock Units (and any related dividend equivalents) shall continue to become earned and payable in accordance with the Payment Schedule set forth in paragraph (a) above subject to the performance-based cancellation provision set forth in paragraph (e) below, provided that (i) to the extent permissible under applicable law, you do not engage in

Competition during such period, (ii) you comply with the covenants described in paragraph (d) below and (iii) prior to each payment date, you provide Bank of America with a certification that you have not engaged in Competition to the extent the Competition restriction in (i) above is applicable.

To be effective, such certification must be provided on such form, at such time and pursuant to such procedures as Bank of America shall establish from time to time. If Bank of America determines in its reasonable business judgment that you have failed to satisfy any of the foregoing requirements, then any unearned Restricted Stock Units (and any related dividend equivalents) shall be immediately canceled as of the date of such determination. In addition, from time to time following your Qualifying Termination, Bank of America may require you to further certify that you are not engaging in Competition, and if you fail to fully cooperate with any such requirement Bank of America may determine that you are engaging in Competition. Notwithstanding anything in this paragraph (c) to the contrary, upon your death following a Qualifying Termination, any unearned Restricted Stock Units (and any related dividend equivalents) that are continuing to become earned and payable in accordance with the provisions of this paragraph (c), but have not yet become earned and payable, shall become immediately earned and payable as of the date of your death, and payment will be made as soon as administratively practicable following your death. Notwithstanding anything in this

Agreement to the contrary, if (1) you are a permanent resident of California or you are a tax resident of California who is assigned to perform services for Bank of America or any Subsidiary from an office located in California, the Competition restriction and the certification requirement described in this paragraph (c) will not apply to this Award and (2) you live or work in Massachusetts, the Competition restriction and the certification requirement described in this paragraph (c) will apply for no more than one year following the date of your termination of employment.

For the avoidance of doubt, the only available remedy under this Agreement for engaging in Competition (or for breach of the covenant in paragraph (d)(i) below) is the cancelation of any unearned Restricted Stock Units (and any related dividend equivalents), and not, for example, enforcement of the restrictions through injunction or similar action. This limitation on remedies does not apply to any competition restrictions or covenants that may be applicable to you under any other written agreement with Bank of America except to the extent expressly provided for in such other written agreement.]

(d) COVENANTS.

(i) Non-Solicitation. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, to the maximum extent permissible under applicable law (A) you will not directly or indirectly solicit or recruit for employment or encourage to leave employment with Bank of America or its Subsidiaries, on your own behalf or on behalf of any other person or entity other than Bank of America or its Subsidiaries, any person who is an employee of Bank of America or its Subsidiaries and (B) you will not, directly or indirectly, on your own behalf or on behalf of any other person or entity other than Bank of America or its Subsidiaries, solicit any client or customer of Bank of America or its Subsidiaries which you actively solicited or with whom you worked or otherwise had material contact in the course of your employment with Bank of America and its Subsidiaries. Notwithstanding anything in this Agreement to the contrary, if you are a permanent resident of California or you are a tax resident of California who is assigned to perform services for Bank of America or any Subsidiary from an office located in California, the solicitation restrictions described in (A) and (B) above will not apply to this Award.

(ii) Detrimental Conduct. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, you will not engage in Detrimental Conduct.

(iii) Hedging or Derivative Transactions. You agree that during any period in which Restricted Stock Units (and any related dividend equivalents) remain payable, you will not engage in any hedging or derivative transactions involving Bank of America common stock in violation of the Bank of America Corporation Code of Conduct that would undermine the long-term performance incentive created by the Restricted Stock Units.

(iv) Remedies. Payment of Restricted Stock Units (and any related dividend equivalents) in accordance with the Payment Schedule set forth in paragraph (a) above is specifically conditioned on the requirement that at all times prior to each payment, you do not engage in solicitation, Detrimental Conduct or hedging or derivative transactions, as described in paragraphs (d)(i), (ii) and (iii), during such period. If Bank of America determines in its reasonable business judgment that you have failed to satisfy such requirements, then any Restricted Stock Units (and any

related dividend equivalents) that have not yet been paid as of the date of such determination shall be canceled as of such date of determination.

[Performance-based cancellation provisions:

(e) PERFORMANCE-BASED CANCELLATION PROVISION. In order to appropriately balance risk and reward, unpaid Restricted Stock Units may be canceled if a loss occurs outside of the ordinary course of business. For a line of business or sub-line of business, a "loss" means a pre-tax loss for a fiscal year (as determined under U.S. generally accepted accounting principles in effect as of the close of such fiscal year). For an individual, a "loss" means that the aggregate profit and loss attributable to your activities is negative. A loss in the "ordinary course of business" means a loss resulting from a planned winding down of a business or legacy position, or a loss that is de minimis (e.g., a loss from a short-dated trading position that is within desk strategy and risk limits and which, aggregated with losses across all positions, is less than $1 million). A loss outside of the ordinary course includes (without limitation) losses such as those resulting from complex or high-risk trading strategies, risk or compliance violations, deliberate or grossly negligent failures to perform your job duties, or any loss that materially impairs Bank of America's solvency, liquidity, or capital distribution plans. If a loss outside of the ordinary course of business occurs:

(i) at Global Markets or Global Corporate and Investment Banking, if you are a senior business leader within the applicable group;

(ii) at a sub-line of business (e.g., FICC Trading, Investment Banking) within Global Markets or Global Corporate and Investment Banking, if you are a manager within the applicable sub-line of business; or

(iii) at your individual level;

then your accountability for such loss will be determined, taking into account such factors as (i) the magnitude of the loss (including positive or negative variance from plan); (ii) your degree of involvement (including such factors as your current or former leadership role within Global Markets orGlobal Corporate and Investment Banking, and the degree to which you were involved in decisions that are determined to have contributed to the loss); (iii) your performance; and (iv) such other factors as deemed appropriate. The management team designated for such purpose, together with key control functions, will review the loss and your accountability. The management team designated for such purpose will then make a final determination to either take no action or to cancel some or all of your Award. All such determinations will be final and binding.

(e) PERFORMANCE-BASED CANCELLATION PROVISION. In order to appropriately balance risk and reward, unpaid Restricted

Stock Units (and any related dividend equivalents) may be canceled if a loss occurs outside of the ordinary course of business. For Bank of America or a line of business, a "loss" means a pre-tax loss for a fiscal year (as determined under U.S. generally accepted accounting principles in effect as of the close of such fiscal year). A loss in the "ordinary course of business" means a loss resulting from a planned winding down of a business or legacy position. A loss outside of the ordinary course includes (without limitation) losses such as those resulting from risk or compliance violations, deliberate or grossly negligent failures to perform your job duties, or any loss

that materially impairs Bank of America's solvency, liquidity, or capital distribution plans. If a loss outside of the ordinary course of business occurs:

(i) at Bank of America, if you are the Chief Executive Officer, Chief Financial Officer, any Chief Executive Officer direct report who does not lead a line of business, or are any employee who is (A) part of a staff function (such as global technology, global operations, global strategy and enterprise platforms, enterprise credit, sustainable finance and research, etc.), (B) part of a key control function (such as audit, compliance, human resources, legal, risk, finance, etc.) or (C) any other individual material risk taker who is not part of a line of business;

(ii) at Bank of America or your line of business, if you are a senior leader who leads a line of business (e.g., are president or head of such line of business); or

(iii) at your line of business, if you are an individual material risk taker who is part of a line of business other than a senior leader who leads a line of business;

then your accountability for such loss will be determined, taking into account such factors as (i) the magnitude of the loss (including positive or negative variance from plan); (ii) your degree of involvement (including such factors as your current or former leadership role within Bank of America or the line of business, and the degree to which you were involved in decisions that are determined to have contributed to the loss); (iii) your performance; and (iv) such other factors as deemed appropriate. For this purpose, a “line of business” means an organizational unit of Bank of America that conducts transactions as an organizational unit that could result in a loss outside of the ordinary course, all as determined by Bank of America in its sole discretion, and which, as of the grant date, includes the following business units: Retail Banking, Preferred Banking, Merrill, Private Bank, Business Banking, Global Commercial Banking, Global Corporate & Investment Banking and Global Markets.

The Compensation and Human Capital Committee (for executive officers), Management Compensation Committee (for Band 1 employees) or other management team designated for such purpose, together with key control functions, will review the loss and your accountability. The Compensation and Human Capital Committee (for executive officers), Management Compensation Committee (for Band 1 employees) or other management team designated for such purpose will then make a final determination to either take no action or to cancel some or all of your Award. All such determinations will be final and binding.*]*

(f) FORM OF PAYMENT. Payment of Restricted Stock Units shall be made in the form of one (1) share of Bank of America common stock for each Restricted Stock Unit that is payable. Notwithstanding anything in this paragraph (f) to the contrary, Bank of America may, in its sole discretion, determine before a payment date to pay all or any portion of the Restricted Stock Units then payable in the form of cash rather than shares. In that case, the amount of the cash payment shall equal the Fair Market Value of the underlying shares of Bank of America common stock, determined as of the applicable payment date, for the portion of the Restricted Stock Units that Bank of America determines to pay in the form of cash rather than by issuance of shares.

(g) RECOVERY OF ERRONEOUSLY AWARDED

COMPENSATION. If, immediately before a payment date otherwise provided by this Exhibit A, Bank of America or its Subsidiaries have been unable to recover from you erroneously awarded compensation that is required to be recovered under the Dodd-Frank clawback rules and any implementing policy, Bank of America may reduce the

net, after-tax amount to be paid on your Award as of that payment date (after all applicable tax withholding requirements have been satisfied) by an amount up to the outstanding balance of erroneously awarded compensation to be recovered from you as of the payment date. For the avoidance of doubt, the full amount of the Award payable as of the payment date shall be included in income to you as of that payment date and nothing in this paragraph (g) shall result in any acceleration of the payment date.

(h) DEFINITIONS. For purposes hereof, the following terms shall have the following meanings.

All Other Terminations means any termination of your employment with Bank of America and its Subsidiaries, whether initiated by you or your employer, other than (i) a Qualifying Termination; (ii) a termination due to your death or your Disability; (iii) a termination by your employer with Cause; and (iv) a termination in connection with a Change in Control as described in paragraph (b)(iv) above.

Cause shall be defined as that term is defined in your offer letter or other applicable employment agreement; or, if there is no such definition, “Cause” means a termination of your employment with Bank of America and its Subsidiaries if it occurs in conjunction with a determination by your employer that you have (i) committed an act of fraud or dishonesty in the course of your employment; (ii) been convicted of (or plead no contest with respect to) a crime constituting a felony or a crime of comparable magnitude under applicable law (as determined by Bank of America in its sole discretion); (iii) committed an act or omission which causes you or Bank of America or its Subsidiaries to be in violation of federal or state securities laws, rules or regulations, and/or the rules of any exchange or association of which Bank of America or its Subsidiaries is a member, including statutory disqualification; (iv) failed to perform your job duties where such failure is injurious to Bank of America or any Subsidiary, or to Bank of America’s or such Subsidiary’s business interests or reputation; (v) materially breached any written policy applicable to your employment with Bank of America or any of its Subsidiaries including, but not limited to, the Bank of America Corporation Code of Conduct and General Policy on Insider Trading; or (vi) made an unauthorized disclosure of any confidential or proprietary information of Bank of America or its Subsidiaries or have committed any other material violation of Bank of America's written policies regarding confidential and proprietary information.

[Competition:

Competition means your being engaged, directly or indirectly, whether as a director, officer, employee, consultant, agent or otherwise, with a business entity that is or later becomes designated as a "Competitive Business" based on the criteria effective as of the date of your termination of employment. Notwithstanding anything in this Agreement to the contrary, the scope of Competition will only be as broad as allowed by applicable law. *]*

*[For Mr. Demare:*Competition means "Competition" as defined in your Letter Agreement.*]*

Detrimental Conduct means your serious misconduct or unethical behavior, including any one of the following: (i) any conduct that would constitute Cause; (ii) the commission of a criminal act by you, whether or not performed in the workplace, that subjects, or if generally known, would subject Bank of America or its Subsidiaries to public ridicule or embarrassment, or other improper or intentional conduct causing reputational harm to Bank of America, its Subsidiaries, or a client of Bank of America or its Subsidiaries; (iii) the breach of a fiduciary duty owed to Bank of America or its Subsidiaries or a client or former client of Bank of America or its Subsidiaries; (iv) intentional violation, or grossly negligent disregard, of Bank of America's or its Subsidiaries' policies, rules and procedures, specifically including, but not limited to any of your obligations under the Bank of America Corporation Code of Conduct and workplace policies; or (v) you taking or maintaining trading positions that result in a need to restate financial results in a subsequent reporting period or that result in a significant financial loss to Bank of America or its Subsidiaries during or after the performance year.

Disability is as defined in the Stock Plan.

Good Reason means, provided that you have complied with the Good Reason Process, the occurrence of any of the following events without your consent: (i) a material diminution in your responsibility, authority or duty; (ii) a material diminution in your base salary except for across-the-board salary reductions based on Bank of America and its Subsidiaries' financial performance similarly affecting all or substantially all management employees of Bank of America and its Subsidiaries; or (iii) the relocation of the office at which you were principally employed immediately prior to a Change in Control to a location more than fifty (50) miles from the location of such office, or your being required to be based anywhere other than such office, except to the extent you were not previously assigned to a principal location and except for required travel on your employer's business to an extent substantially consistent with your business travel obligations at the time of the Change in Control.

Good Reason Process means that (i) you reasonably determine in good faith that a Good Reason condition has occurred; (ii) you notify Bank of America and its Subsidiaries in writing of the occurrence of the Good Reason condition within sixty (60) days of such occurrence; (iii) you cooperate in good faith with Bank of America and its Subsidiaries' efforts, for a period of not less than thirty (30) days following such notice (the "Cure Period"), to remedy the condition; (iv) notwithstanding such efforts, the Good Reason condition continues to exist following the Cure Period; and (v) you terminate your employment for Good Reason within sixty (60) days after the end of the Cure Period. If Bank of America or its Subsidiaries cures the Good Reason condition during the Cure Period, and you terminate your employment with Bank of America and its Subsidiaries due to such condition (notwithstanding its cure), then you will not be deemed to have terminated your employment for Good Reason.

*[For Mr. Demare:*Letter Agreement means your letter agreement

with Bank of America dated November 9, 2021.*]*

[Qualifying Termination:

Qualifying Termination means your termination of employment with Bank of America and its Subsidiaries after you have *[*(i) a length of service of at least ten (10) years and (ii) a combined age and length of service equal to at least sixty (60). Your length of service will be determined by Bank of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries, your length of service shall be your “Vesting Service” under the tax-qualified 401(k) plan in which you participate / (i) a length of service of at least ten (10) years and (ii) reached at least age fifty (50). Your length of service will be determined by Bank

of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries, your length of service shall be your “Vesting Service” under the tax-qualified 401(k) plan in which you participate. / (i) reached at least age sixty (60) or (ii) attained a length of service of at least ten (10) years and reached at least age fifty-five (55). Your length of service will be determined by Bank of America, in its sole discretion, and, in that regard if you participate in a tax-qualified 401(k) plan sponsored by Bank of America or its Subsidiaries, your length of service shall be your “Vesting Service” under the tax-qualified 401(k) plan in which you participate. *]]*

[For Mr. Demare: Notwithstanding the foregoing, your termination of employment shall be deemed a Qualifying Termination if (i) you are eligible for an equity protection guarantee with respect to your Award as described in your Letter Agreement and (ii) your termination of employment with Bank of America and its Subsidiaries occurs on or after the date specified in your Letter Agreement and in accordance with and subject to the terms and provisions of your Letter Agreement.*]*

[For Mr. Koder: Notwithstanding the foregoing, your termination of employment shall be deemed a Qualifying Termination if (i) you are eligible for an equity protection guarantee with respect to your Award as described in your offer letter or other applicable employment agreement and (ii) your termination of employment with Bank of America and its Subsidiaries occurs on or after the date specified in your offer letter or other applicable employment agreement and in accordance with and subject to the terms and provisions of your offer letter or other applicable employment agreement.*]*

Exhibit 10.5

Form of Acknowledgement

of and Agreement to the Incentive Compensation Recoupment Policy

PARTICIPANT DECLARATIONS

Bank of America Incentive Compensation Recoupment Policy Acknowledgement and Agreement

By checking the “Acknowledge and Agree” box below, I acknowledge and agree that I have received and reviewed this Acknowledgment and Agreement Form and the Bank of America Incentive Compensation Recoupment Policy (please review the Policy by clicking the “Bank of America Incentive Compensation Recoupment Policy” link below). Furthermore, by checking the “Acknowledge and Agree” box, I acknowledge and agree that I am fully bound by, and subject to, all of the terms and conditions of the Bank of America Incentive Compensation Recoupment Policy, as may be amended, restated, supplemented, or otherwise modified from time to time (the “Policy”).

I acknowledge and agree that my acceptance of this Acknowledgement and Agreement Form is in consideration of, and is a condition to, my continued employment and my receipt of future incentive awards from Bank of America, though nothing in this Acknowledgement and Agreement Form shall obligate Bank of America to make any award. In the event of any inconsistency between the Policy and the terms of any other agreement to which I am a party, or to the terms of any compensation plan, program, agreement or arrangement under which any compensation covered by the Policy is payable, the terms of this Policy shall govern and shall be deemed incorporated into all such plans, programs, agreements or arrangements, including and without limitation, any awards granted prior to the date hereof and those granted in the future.

In the event any compensation is subject to recoupment or recovery under the terms of the Policy, I agree to promptly take any action necessary to effectuate the recoupment or recovery of such compensation by Bank of America. Furthermore, if I fail to repay any compensation that is owed to Bank of America under the Policy, I agree to reimburse Bank of America for all expenses (including legal expenses) incurred by Bank of America in recovering such compensation.

Please note if you defer acceptance of this Acknowledgment and Agreement Form by checking the "Defer" box below, you will be required to return to Benefits Online later to finish its completion.

Bank of America Incentive Compensation Recoupment Policy *[link]*

a105a.jpg

CERTIFICATION PURSU
OF THE SARBANES-O
FOR THE CHIEF EX

I, Brian T. Moynihan, certify that:

1. I have reviewed this Quarterly R
Corporation;

2. Based on my knowledge, this repo
a material fact or omit to state
statements made, in light of the c
were made, not misleading with re

3. Based on my knowledge, the
information included in this repor
financial condition, results of opera
and for, the periods presented in th

4. The registrant's other certifying offi
and maintaining disclosure contro
Act Rules 13a-15(e) and 15d-1
reporting (as defined in Exchange
registrant and have:

   a) Designed such disclosure
   disclosure controls and
   supervision, to ensure
   registrant, including its c
   us by others within thos
   which this report is being

   b) Designed such internal
   such internal control over
   supervision, to provide re
   of financial reporting and
   external purposes in acco
   principles;

   c) Evaluated the effectivene
   procedures and presente

effectiveness of the disclo
of the period covered by t

d) Disclosed in this report a
over financial reporting
recent fiscal quarter (the
of an annual report) tha
likely to materially affect,
reporting; and

5. The registrant's other certifying of
most recent evaluation of intern
registrant's auditors and the aud
directors (or persons performing th

a) All significant deficiencies
operation of internal co
reasonably likely to adve
process, summarize and

b) Any fraud, whether or n
other employees who h
internal control over finan

Date: October 31, 2023 April 30, 2024

CERTIFICATION PURSU
OF THE SARBANES-O
FOR THE CHIEF FIN

I, Alastair M. Borthwick, certify that:

1. I have reviewed this Quarterly R
Corporation;

2. Based on my knowledge, this repo
a material fact or omit to state
statements made, in light of the c
were made, not misleading with res

3. Based on my knowledge, the
information included in this report
financial condition, results of opera
and for, the periods presented in th

4. The registrant's other certifying offi
and maintaining disclosure contro
Act Rules 13a-15(e) and 15d-1
reporting (as defined in Exchange
registrant and have:

a) Designed such disclosure
disclosure controls and
supervision, to ensure
registrant, including its co

us by others within thos
which this report is being

b) Designed such internal
such internal control over
supervision, to provide re
of financial reporting and
external purposes in acc
principles;

c) Evaluated the effectivene
procedures and presente
effectiveness of the disclo
of the period covered by t

d) Disclosed in this report a
over financial reporting
recent fiscal quarter (the
of an annual report) tha
likely to materially affect,
reporting; and

5. The registrant's other certifying of
most recent evaluation of intern
registrant's auditors and the aud
directors (or persons performing th

a) All significant deficiencies
operation of internal co
reasonably likely to adve
process, summarize and

b) Any fraud, whether or n
other employees who h
internal control over finan

Date: October 31, 2023 April 30, 2024

CERTIFICATION PURSUANT T
AS ADOPTED PURSUA
OF THE SARBANES-O

I, Brian T. Moynihan, state and attest that:

1. I am the Chief Executive Offic
registrant).

2. I hereby certify, pursuant to 18 U.
Section 906 of the Sarbanes-Oxley

- the Quarterly Report on
ended September 30, 2
containing financial state
of Section 13(a) or 15(d)
U.S.C. 78m or 78o(d)); an

- the information contained

material respects, the fina
the registrant.

Date: October 31, 2023 April 30, 2024

CERTIFICATION PURSUANT T
AS ADOPTED PURSUA
OF THE SARBANES-O

I, Alastair M. Borthwick, state and attest that:

1. I am the Chief Financial Office
registrant).

2. I hereby certify, pursuant to 18 U.
Section 906 of the Sarbanes-Oxley

    - the Quarterly Report on F
ended September 30, 2
containing financial state
of Section 13(a) or 15(d)
U.S.C. 78m or 78o(d)); an

    - the information contained
material respects, the fina
the registrant.

Date: October 31, 2023 April 30, 2024