



Annual Report
December 31, 2024

Goldman Sachs International (unlimited company)
Company Number: 02263951

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Introduction

Goldman Sachs International (GSI or the company) delivers a broad range of financial services to clients located worldwide. The company also operates a number of branches across Europe, the Middle East and Africa (EMEA) to provide financial services to clients in those regions.

The company's primary regulators are the Prudential Regulation Authority (PRA) and the Financial Conduct Authority (FCA).

The company's ultimate parent undertaking and controlling entity is The Goldman Sachs Group, Inc. (Group Inc.). Group Inc. is a bank holding company and a financial holding company regulated by the Board of Governors of the Federal Reserve System (FRB). The company's immediate parent undertaking is Goldman Sachs Group UK Limited (GSG UK), a company incorporated and domiciled in England and Wales. GSG UK together with its consolidated subsidiaries form "GSG UK Group". In relation to the company, "GS Group affiliate" means Group Inc. or any of its subsidiaries. Group Inc. together with its consolidated subsidiaries form "GS Group". GS Group is a leading global financial institution that delivers a broad range of financial services to a large and diversified client base that includes corporations, financial institutions, governments and individuals. The company's results prepared under United States Generally Accepted Accounting Principles (U.S. GAAP) are included in the consolidated financial statements of GS Group.

The company seeks to be the advisor of choice for its clients and a leading participant in global financial markets. As part of GS Group, the company also enters into transactions with GS Group affiliates in the normal course of business as part of its market-making activities and general operations.

The company generates revenues from the following business activities: Investment Banking; Fixed Income, Currency and Commodities (FICC); Equities; and Investment Management, which primarily consists of Wealth management. On April 1, 2023, the company transferred its U.K. asset management business to Goldman Sachs Asset Management International (GSAMI) and received a non-controlling interest in GSAMI's immediate parent undertaking, which was measured at fair value through profit or loss. As a result, in 2023, the company recognised a gain of \$1.42 billion in net revenues and made an equivalent distribution of the total consideration received.

All references to December 2024 and 2024 refer to the year ended, or the date, as the context requires, December 31, 2024. All references to December 2023 and 2023 refer to the year ended, or the date, as the context requires, December 31, 2023. All references to December 2022 refer to the date December 31, 2022.

Certain disclosures required by U.K.-adopted international accounting standards and International Financial Reporting Standards (IFRS) adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the European Union (IFRS as it applies in the E.U.), in relation to the company's financial risk management and capital management have been presented alongside other risk management and regulatory information in the strategic report. Such disclosures are identified as audited, where relevant. All other information in the strategic report is unaudited.

Executive Overview

The directors consider profit for the year, total assets and Common Equity Tier 1 (CET1) capital ratio as the company's key performance indicators.

Income Statement

The income statement is set out on page 49 of this annual report. The company's profit for 2024 was \$2.80 billion, 33% lower than 2023. Excluding the gain of \$1.42 billion related to the transfer of the company's U.K. asset management business in 2023, the company's profit for 2024 was 3% higher than 2023.

Net revenues for 2024 were \$10.23 billion, 9% lower than 2023. Excluding the gain of \$1.42 billion related to the transfer of the company's U.K. asset management business in 2023, net revenues for 2024 were 5% higher than 2023, reflecting significantly higher net revenues in Investment Banking and slightly higher net revenues in Equities, partially offset by slightly lower net revenues in FICC and Investment Management.

Net operating expenses for 2024 were \$6.55 billion, 7% higher than 2023, primarily due to significantly higher compensation and benefits, partially offset by lower management charges from GS Group affiliates and other expenses.

See "Results of Operations" below for more information about the company's net revenues and net operating expenses.

Strategic Report

Capital Ratios

The company's CET1 capital ratio under the U.K. capital framework was 12.3% as of December 2024 and 12.6% as of December 2023.

Balance Sheet

The balance sheet is set out on page 50 of this annual report.

As of December 2024, total assets were \$1.11 trillion, a decrease of \$92.68 billion from December 2023, primarily reflecting a decrease in collateralised agreements of \$70.27 billion (primarily due to changes in the company's and its clients' activity) and a decrease in cash and cash equivalents of \$24.09 billion (primarily due to a change in the proportion of Global Core Liquid Assets (GCLA) held as cash deposits).

As of December 2024, total liabilities were \$1.07 trillion, a decrease of \$92.78 billion from December 2023, primarily reflecting a decrease in collateralised financings of \$45.78 billion (primarily due to changes in the company's and its clients' activity), a decrease in trading liabilities of \$26.39 billion (due to decreases in derivatives and trading cash instruments) and a decrease in unsecured borrowings of \$13.46 billion (primarily due to a decrease in intercompany loans).

As of December 2024, total shareholder's equity was \$40.22 billion, essentially unchanged compared with December 2023. The increase in total shareholder's equity from the company's total comprehensive income of \$2.78 billion for 2024 was largely offset by the payment of cash dividends of \$2.19 billion and the payment of interest on the company's Additional Tier 1 notes (AT1 notes) of \$495 million.

Total level 3 financial assets were \$3.64 billion as of December 2024 and \$4.95 billion as of December 2023. See Note 29 to the financial statements for further information about level 3 financial assets, including changes in level 3 financial assets and related fair value measurement.

Under U.S. GAAP, as of December 2024, total assets were \$540.04 billion and total liabilities were \$505.20 billion. Total assets and total liabilities under U.S. GAAP differ from those reported under IFRS primarily due to the company presenting derivative balances gross under IFRS if they are not net settled in the normal course of business, even where it has a legally enforceable right to offset those balances.

Future Outlook

The directors consider that the year-end financial position of the company was satisfactory. No significant change in the company's principal business activities is currently expected.

Business Environment

In 2024, the global economy grew, but was impacted throughout the year by broad macroeconomic and geopolitical concerns. Concerns regarding inflation, and ongoing geopolitical stresses, including tensions with China and the conflicts in Ukraine and the Middle East, remained elevated. Despite these concerns, the economy in the U.S. has remained resilient and equity markets have reacted favourably to the outcomes of national elections, and in the U.K. and Eurozone, economic activity showed some improvement from low levels. Additionally, markets were focused on policy interest rate cuts by several central banks, including the U.S. Federal Reserve, the Bank of England and the European Central Bank.

Results of Operations

Net Revenues

Net revenues include the net profit arising from transactions, with both third parties and GS Group affiliates, in derivatives, securities and other financial instruments, and fees and commissions. This is inclusive of associated interest, dividends and returns on the company's GCLA.

The table below presents the company's net revenues by business activity.

\$ in millions	Year Ended December	
	2024	2023
Investment Banking	\$ 1,314	\$ 878
FICC	3,150	3,264
Equities	5,079	4,921
Investment Management	683	2,139
Total	\$ 10,226	\$ 11,202

In the table above, Investment Management net revenues for 2023 included a gain of \$1.42 billion related to the transfer of the company's U.K. asset management business to GSAMI.

Income and expenses associated with the company's sources and uses of funding, including returns on the company's GCLA, are allocated to the company's business activities.

Investment Banking

Investment Banking primarily generates revenues from the following:

Advisory. Includes strategic advisory engagements with respect to mergers and acquisitions, divestitures, corporate defence activities, restructurings and spin-offs.

Underwriting. Includes public offerings and private placements in both local and cross-border transactions of a wide range of securities and other financial instruments, including acquisition financing.

Corporate lending. Includes relationship lending and related hedges.

2024 versus 2023. Net revenues in Investment Banking were \$1.31 billion for 2024, 50% higher than 2023, primarily due to significantly higher net revenues in Advisory and Underwriting. The increase in Advisory net revenues reflected an increase in completed mergers and acquisitions transactions. The increase in Underwriting reflected significantly higher net revenues in equity underwriting and debt underwriting.

As of December 2024, the EMEA Investment Banking backlog was significantly higher compared with December 2023, primarily due to significantly higher estimated net revenues from potential advisory transactions and potential debt underwriting transactions, partially offset by lower estimated net revenues from potential equity underwriting transactions.

The backlog represents an estimate of net revenues from future transactions where the company believes that future revenue realisation is more likely than not. The changes in backlog may be a useful indicator of client activity levels which, over the long term, impact net revenues. However, the time frame for completion and corresponding revenue recognition of transactions in the backlog varies based on the nature of the engagement, as certain transactions may remain in the backlog for longer periods of time. In addition, the backlog is subject to certain limitations, such as assumptions about the likelihood that individual client transactions will occur in the future. Transactions may be cancelled or modified, and transactions not included in the estimate may also occur.

FICC and Equities

FICC and Equities serve the company's clients who buy and sell financial products, raise funding and manage risk. The company does this by acting as a market maker and offering expertise on a global basis. FICC and Equities make markets and facilitate client transactions in fixed income, currency, commodity and equity products. In addition, the company makes markets in, and clears client transactions on, major stock, options and futures exchanges worldwide.

The company executes a high volume of transactions for its clients in large, highly liquid markets. The company also executes transactions for its clients in less liquid markets for spreads and fees that are generally somewhat larger than those charged in more liquid markets. Additionally, the company structures and executes transactions involving customised or tailor-made products that address its clients' risk exposures, investment objectives or other complex needs, as well as derivative transactions related to client advisory and underwriting activities.

The company's net revenues are influenced by a combination of interconnected drivers, including (i) client activity levels and transactional bid/offer spreads and (ii) changes in the fair value of its inventory, and interest income and interest expense related to the holding, hedging and funding of its inventory.

Strategic Report

FICC. FICC generates revenues from intermediation and financing activities.

- **FICC intermediation.** Includes client execution activities related to making markets in both cash and derivative instruments, as detailed below.

Interest Rate Products. Government bonds (including inflation-linked securities) across maturities, other government-backed securities, and interest rate swaps, options and other derivatives.

Credit Products. Investment-grade and high-yield corporate securities, credit derivatives, exchange-traded funds (ETFs), bank and bridge loans, municipal securities, distressed debt and trade claims.

Mortgages. Commercial mortgage-related securities, loans and derivatives, residential mortgage-related securities, loans and derivatives, and other asset-backed securities, loans and derivatives.

Currencies. Currency options, spot/forwards and other derivatives on G-10 currencies and emerging-market products.

Commodities. Commodity derivatives and, to a lesser extent, physical commodities, involving crude oil and petroleum products, natural gas, agricultural, base, precious and other metals, electricity, including renewable power, environmental products and other commodity products.

- **FICC financing.** Includes (i) secured lending to the company's clients through structured credit and asset-backed lending, (ii) financing through securities purchased under agreements to resell (resale agreements) and (iii) commodity financing to clients through structured transactions.

2024 versus 2023. Net revenues in FICC were \$3.15 billion for 2024, 3% lower than 2023, due to lower net revenues in FICC intermediation, partially offset by significantly higher net revenues in FICC financing. The decrease in FICC intermediation was driven by significantly lower net revenues in interest rate products and lower net revenues in commodities, partially offset by significantly higher net revenues in currencies and higher net revenues in mortgages and credit products. The decrease in FICC intermediation net revenues primarily reflected lower client activity. The increase in FICC financing was primarily driven by significantly higher net revenues from structured credit.

Equities. Equities generates revenues from intermediation and financing activities.

- **Equities intermediation.** The company makes markets in equity securities and equity-related products, including ETFs, convertible securities, options, futures and over-the-counter (OTC) derivative instruments. The company also structures and makes markets in derivatives on indices, industry sectors, financial measures and individual company stocks. The company's exchange-based market-making activities include making markets in stocks and ETFs, futures and options on major exchanges worldwide. In addition, the company generates commissions and fees from executing and clearing institutional client transactions on major stock, options and futures exchanges worldwide, as well as OTC transactions.

- **Equities financing.** Includes prime financing, which provides financing to the company's clients for their securities trading activities through margin loans that are generally collateralised by securities or cash. Prime financing also includes services which involve lending securities to cover institutional clients' short sales and borrowing securities to cover the company's short sales and to make deliveries into the market. The company is also an active participant in broker-to-broker securities lending and third-party agency lending activities. In addition, the company executes swap transactions to provide its clients with exposure to securities and indices. Financing activities also include portfolio financing, which clients can utilise to manage their investment portfolios, and other equity financing activities, including securities-based loans to individuals.

2024 versus 2023. Net revenues in Equities were \$5.08 billion for 2024, 3% higher than 2023, due to significantly higher net revenues in Equities intermediation, partially offset by lower net revenues in Equities financing. The increase in Equities intermediation was driven by significantly higher net revenues in derivatives and cash products. The decrease in Equities financing was primarily driven by lower net revenues in prime financing and portfolio financing.

Strategic Report

Investment Management

Investment Management includes Asset management and Wealth management.

In the first quarter of 2023, Asset management primarily included investment services provided to GS Group affiliates or funds managed by GS Group. On April 1, 2023, the company transferred its U.K. asset management business to GSAMI. As a result, the company no longer performs any significant Asset management activity.

Wealth management includes wealth advisory services, including portfolio management and financial counselling, brokerage and other transaction services to high-net-worth individuals and families.

2024 versus 2023. Net revenues in Investment Management were \$683 million for 2024, compared with net revenues of \$2.14 billion for 2023. Excluding the gain of \$1.42 billion related to the transfer of the company's U.K. asset management business in 2023, net revenues in Investment Management for 2024 were 4% lower than 2023, primarily due to lower net revenues in Wealth management, partially offset by higher net revenues in Asset management.

Geographic Data

See Note 5 to the financial statements for a summary of net revenues by geographic region.

Net Operating Expenses

Net operating expenses are primarily influenced by compensation (including the impact of the Group Inc. share price on share-based compensation), headcount and levels of business activity. Compensation and benefits includes salaries, allowances, year-end discretionary compensation, amortisation of share-based compensation, changes in the fair value of share-based payment awards between grant date and delivery date and other items such as benefits. Discretionary compensation is significantly impacted by, among other factors, the level of net revenues, overall financial performance, prevailing labour markets, business mix, the structure of share-based compensation programmes and the external environment.

Where the company recognises revenues in its capacity as principal to a transaction and incurs expenses to satisfy some or all of its performance obligations under these transactions, it is required by IFRS 15 'Revenue from Contracts with Customers' (IFRS 15) to report these revenues gross of the associated expenses. Such expenses are included in transaction based and other expenses (known hereafter as "IFRS 15 expenses").

The table below presents the company's net operating expenses and headcount.

\$ in millions	Year Ended December	
	2024	2023
Compensation and benefits	\$ 2,761	\$ 2,188
Transaction based	1,692	1,651
Market development	60	54
Communications and technology	143	137
Depreciation and amortisation	264	264
Professional fees	146	159
Management charges from GS Group affiliates	1,050	1,139
Other expenses	803	863
Operating expenses	6,919	6,455
Management charges to GS Group affiliates	(366)	(319)
Net operating expenses	\$ 6,553	\$ 6,136
Headcount at year-end	3,614	3,332

In the table above, compensation and benefits includes staff costs related to the company's employees. Management charges from GS Group affiliates includes staff costs recharged to the company by other GS Group affiliates. Management charges to GS Group affiliates includes staff costs recharged by the company to other GS Group affiliates.

2024 versus 2023. Net operating expenses were \$6.55 billion for 2024, 7% higher than 2023.

Compensation and benefits were \$2.76 billion for 2024 and \$2.19 billion for 2023, which included a charge of \$747 million for 2024 and a charge of \$216 million for 2023, respectively, representing changes in the fair value of share-based payment awards recharged from Group Inc. Excluding the impact of these recharges for both years, compensation and benefits were 2% higher than 2023.

As of December 2024, headcount was 8% higher compared with December 2023, primarily due to increases in Investment Management, Compliance, Internal Audit and Risk.

Income Tax Expense

The company's effective tax rate was 23.8% for 2024, which compares to the combined U.K. corporation tax rate (including banking surcharge) of 28.0%. The effective tax rate represents the company's income tax expense divided by its profit before taxation.

Balance Sheet and Funding Sources

Balance Sheet Management

The company leverages the balance sheet management process performed at the GS Group level to manage the size and composition of its balance sheet. While the asset base of the company changes due to client activity, market fluctuations and business opportunities, the size and composition of the company's balance sheet also reflects factors, including (i) overall risk tolerance, (ii) the amount of capital held and (iii) the company's funding profile, among other factors. See "Capital Management and Regulatory Capital — Capital Management" for information about the company's capital management process.

In order to ensure appropriate risk management, the company seeks to maintain a sufficiently liquid balance sheet and leverages GS Group's processes to dynamically manage its assets and liabilities, which include (i) balance sheet planning, (ii) setting balance sheet targets, (iii) monitoring of key metrics and (iv) scenario analyses.

Balance Sheet Planning. GS Group prepares a balance sheet plan that combines projected total assets and composition of assets with expected funding sources over a three-year time horizon. This plan is reviewed quarterly and may be adjusted in response to changing business needs or market conditions.

Setting Balance Sheet Targets. GS Group sets balance sheet targets with the aim of ensuring that GS Group's consolidated balance sheet as well as the balance sheets for GS Group's businesses remain within GS Group's risk appetite. GS Group's Firmwide Asset Liability Committee has the responsibility to review and approve balance sheet targets at least quarterly. GS Group's balance sheet targets are set at levels which are close to actual operating levels, rather than at levels which reflect GS Group's maximum risk appetite, in order to ensure prompt escalation and discussion among GS Group's revenue-producing units, Corporate Treasury and Risk. Requests for changes in targets are evaluated after giving consideration to their impact on GS Group's key metrics. Compliance with targets is monitored by the revenue-producing units, Corporate Treasury and Risk.

Monitoring of Key Metrics. Key balance sheet metrics are monitored both by business and on a GS Group basis, including asset and liability size and composition, target utilisation and risk measures. Assets are attributed to businesses and movements resulting from new business activity, as well as market fluctuations, are reviewed and analysed.

Scenario Analyses. GS Group and the company conduct scenario analyses to determine how they would manage the size and composition of the balance sheet. These scenarios cover short- and long-term time horizons using various macroeconomic and GS Group-specific assumptions, based on a range of economic scenarios.

Funding Sources

The company's primary sources of funding are collateralised financings, unsecured borrowings and shareholder's equity. The company raises this funding through a number of different products, including:

- Securities sold under agreements to repurchase (repurchase agreements) and securities loaned;
- Intercompany loans from GS Group affiliates;
- Debt securities issued including notes, certificates, commercial paper and warrants; and
- Other borrowings including funded derivatives and transfers of assets accounted for as financings rather than sales.

The table below presents information about the company's funding sources.

\$ in millions	As of December		
	2024	2023	
Collateralised financings	\$ 169,696	59%	\$ 215,476 62%
Unsecured borrowings	76,811	27%	90,267 26%
Total shareholder's equity	40,217	14%	40,119 12%
Total	\$ 286,724	100%	\$ 345,862 100%

The company generally distributes funding products through its own sales force and third-party distributors to a large, diverse creditor base in a variety of markets in the Americas, EMEA and Asia. The company believes that its relationships with external creditors are critical to its liquidity. These creditors include banks, securities lenders, corporations, pension funds, insurance companies, mutual funds and individuals. The company has imposed various internal guidelines to monitor creditor concentration across its external funding programmes.

Strategic Report

Secured Funding. The company funds a significant amount of inventory on a secured basis, with external counterparties, as well as with GS Group affiliates. Secured funding includes collateralised financings in the balance sheet. The company may also pledge its inventory as collateral for securities borrowed under a securities lending agreement. The company also uses its own inventory to cover transactions in which the company or its clients have sold securities that have not yet been purchased. Secured funding is less sensitive to changes in Group Inc. and/or the company's credit quality than unsecured funding, due to the posting of collateral to lenders. Nonetheless, the company analyses the refinancing risk of its secured funding activities, taking into account trade tenors, maturity profiles, counterparty concentrations, collateral eligibility and counterparty rollover probabilities. The company seeks to mitigate its refinancing risk by executing term trades with staggered maturities, diversifying counterparties, raising excess secured funding and pre-funding residual risk through its GCLA.

The company seeks to raise secured funding with a term appropriate for the liquidity of the assets that are being financed, and seeks longer maturities for secured funding collateralised by asset classes that may be harder to fund on a secured basis, especially during times of market stress.

A majority of the company's secured funding for securities not eligible for inclusion in the GCLA is executed through term repurchase agreements and securities loaned contracts. The company also raises secured funding through debt securities issued, bank loans, other borrowings and intercompany loans.

Unsecured Borrowings. The company has both intercompany and external unsecured borrowings.

Intercompany Unsecured Borrowings

Intercompany unsecured borrowings include loans, subordinated loans, debt securities issued and other borrowings. The company's unsecured intercompany loans and subordinated loans are primarily from GSG UK and Goldman Sachs Funding LLC (Funding IHC). Funding IHC is a wholly-owned, direct subsidiary of Group Inc. that facilitates the execution of GS Group's preferred resolution strategy. The majority of GS Group's unsecured funding is raised by Group Inc., which lends the necessary funds to Funding IHC and other subsidiaries, including the company, to meet asset financing, liquidity and capital requirements. The benefits of this approach to subsidiary funding are enhanced control and greater flexibility to meet the funding requirements of the company and other subsidiaries.

External Unsecured Borrowings

External unsecured borrowings include debt securities issued, other borrowings, bank loans and overdrafts.

Shareholder's Equity. Shareholder's equity is a stable and perpetual source of funding. See Notes 21 and 22 to the financial statements for further information.

Capital Management and Regulatory Capital

Capital adequacy is of critical importance to the company. The company has in place a comprehensive capital management policy that provides a framework, defines objectives and establishes guidelines to assist the company in maintaining the appropriate level and composition of capital in both business-as-usual and stressed conditions.

Capital Management (Audited)

The company determines the appropriate amount and composition of its capital by considering multiple factors, including the company's current and future regulatory capital requirements, the results of the company's capital planning and stress testing process, the results of resolution capital models and other factors, such as rating agency guidelines, the business environment and conditions in the financial markets.

The company's capital planning and stress testing process incorporates internally designed stress tests developed in accordance with the PRA's Internal Capital Adequacy Assessment Process (ICAAP) guidelines. It is also designed to identify and measure material risks associated with business activities, including market risk, credit risk, operational risk and other risks. The company's goal is to hold sufficient capital to ensure that it remains adequately capitalised after experiencing a severe stress event. The company's assessment of capital adequacy is viewed in tandem with its assessment of liquidity adequacy and is integrated into its overall risk management structure, governance and policy framework.

In addition, as part of the company's comprehensive capital management policy, a contingency capital plan is maintained that provides a framework for analysing and responding to a perceived or actual capital deficiency, including, but not limited to, identification of drivers of a capital deficiency, as well as mitigants and potential actions. It outlines the appropriate communication procedures to follow during a crisis period, including internal dissemination of information, as well as timely communication with external stakeholders.

Strategic Report

Regulatory Capital (Audited)

The company is subject to the U.K. capital framework prescribed in the PRA Rulebook and the U.K. Capital Requirements Regulation, which is largely based on the Basel Committee on Banking Supervision's (Basel Committee) capital framework for strengthening international capital standards (Basel III). The Basel Committee is the primary global standard setter for prudential bank regulation.

The risk-based capital requirements are expressed as capital ratios that compare measures of regulatory capital to risk-weighted assets (RWAs). The CET1 capital ratio is defined as CET1 capital divided by RWAs. The Tier 1 capital ratio is defined as Tier 1 capital divided by RWAs. The Total capital ratio is defined as Total capital divided by RWAs.

The CET1 capital, Tier 1 capital and Total capital ratio requirements (collectively, the Pillar 1 capital requirements) are supplemented by:

- A capital conservation buffer of 2.5% of RWAs, consisting entirely of capital that qualifies as CET1 capital.
- A countercyclical capital buffer of up to 2.5% of RWAs (and also consisting entirely of CET1 capital) in order to counteract excessive credit growth. The buffer only applies to the company's exposures to certain types of counterparties based in jurisdictions which have announced a countercyclical buffer. The buffer was 68 basis points (bps) as of December 2024 and 71 basis points as of December 2023. The countercyclical capital buffer applicable to the company could change in the future and, as a result, the company's risk-based capital requirements could increase or decrease.
- The individual capital requirement under Pillar 2A (an additional amount to cover risks not adequately captured in Pillar 1). The PRA performs a periodic supervisory review of the company's ICAAP, which leads to a final determination by the PRA of the individual capital requirement under Pillar 2A. This is a point in time assessment of the minimum amount of capital the PRA considers that the company should hold.

During 2024, the company paid cash dividends of \$2.19 billion to GSG UK.

Regulatory Risk-Based Capital Ratios

The table below presents information about the company's minimum risk-based capital requirements.

	As of December	
	2024	2023
CET1 capital ratio	9.1%	9.1%
Tier 1 capital ratio	11.0%	11.0%
Total capital ratio	13.6%	13.7%

In the table above:

- The company's minimum risk-based capital requirements as of December 2024 decreased compared with December 2023 due to a decrease in the countercyclical capital buffer.
- The minimum risk-based capital requirements incorporate the Pillar 2A capital guidance received from the PRA and could change in the future.

In addition to the Pillar 2A capital requirement, the PRA also defines the forward-looking capital requirement which represents the PRA's view of the capital that the company would require to absorb losses in stressed market conditions. This is known as Pillar 2B or the "PRA buffer" and is not reflected in the requirements shown above.

The table below presents information about the company's risk-based capital ratios.

\$ in millions	As of December	
	2024	2023
Risk-based capital and RWAs		
CET1 capital	\$ 32,697	\$ 32,403
Additional Tier 1 notes	\$ 5,500	\$ 5,500
Tier 1 capital	\$ 38,197	\$ 37,903
Tier 2 capital	\$ 6,874	\$ 6,877
Total capital	\$ 45,071	\$ 44,780
RWAs	\$265,944	\$257,956
Risk-based capital ratios		
CET1 capital ratio	12.3%	12.6%
Tier 1 capital ratio	14.4%	14.7%
Total capital ratio	16.9%	17.4%

In the table above, the company's risk-based capital ratios as of December 2024 decreased compared with December 2023, primarily due to an increase in RWAs.

Certain prudential rules are subject to additional guidance and clarifications, which will be issued by the company's supervisors. All capital, RWAs and ratios are based on current interpretation, expectations and understanding of the applicable rules and may evolve as the interpretation and application is discussed with the company's regulators.

Strategic Report

Risk-Based Capital (Audited)

The table below presents information about the company's risk-based capital.

\$ in millions	As of December	
	2024	2023
Share capital	\$ 598	\$ 598
Share premium account	5,568	5,568
Retained earnings	28,911	28,800
Accumulated other comprehensive income	(360)	(347)
Deductions	(2,020)	(2,216)
CET1 capital	32,697	32,403
Additional Tier 1 notes	5,500	5,500
Tier 1 capital	\$ 38,197	\$ 37,903
Subordinated loans	6,877	6,877
Deductions	(3)	—
Tier 2 capital	6,874	6,877
Total capital	\$ 45,071	\$ 44,780

In the table above, subordinated loans excludes accrued interest.

During both 2024 and 2023, the company was in compliance with the capital requirements set by the PRA.

Risk-Weighted Assets

The table below presents information about the company's RWAs.

\$ in millions	As of December	
	2024	2023
Credit RWAs	\$ 138,199	\$ 135,288
Market RWAs	104,500	98,921
Operational RWAs	23,245	23,747
Total	\$ 265,944	\$ 257,956

In the table above:

- Credit RWAs as of December 2024 increased by \$2.91 billion compared with December 2023, primarily reflecting an increase in counterparty credit risk exposures.
- Market RWAs as of December 2024 increased by \$5.58 billion compared with December 2023, primarily reflecting an increase in modelled capital charges, due to increased risk exposures.
- Operational RWAs as of December 2024 decreased by \$502 million compared with December 2023, primarily reflecting a decrease in net revenues, which is an input into operational RWAs under the standardised approach.

Credit Risk. Credit RWAs are calculated based on measures of exposure, which are then risk weighted. The exposure amount is generally based on the following:

- For on-balance-sheet assets, the carrying value; and
- For off-balance-sheet exposures, including commitments and guarantees, a credit equivalent exposure amount is calculated based on the notional amount of each exposure multiplied by a credit conversion factor.

Counterparty credit risk is a component of total credit risk, and includes credit exposure arising from derivatives, securities financing transactions and margin loans.

Market Risk. Trading book positions are subject to market risk capital requirements which are based either on predetermined levels set by regulators or on internal models. The market risk regulatory capital rules require that a firm obtains the prior written approval of its regulators before using any internal model to calculate its risk-based capital requirement.

RWAs for market risk are computed based on measures of exposures which include the following internal models: Value-at-Risk (VaR); Stressed VaR (SVaR); Incremental Risk; and the Comprehensive Risk Measure (for PRA purposes this is the All Price Risk Measure and is subject to a floor). See "Market Risk Management — Risk Measures" for information about VaR. In addition, Standardised Rules, in accordance with the U.K. capital framework prescribed in the PRA Rulebook and the U.K. Capital Requirements Regulation, are used to compute RWAs for market risk for certain securitised and non-securitised positions by applying risk-weighting factors predetermined by regulators to positions after applicable netting is performed. RWAs for market risk are the sum of each of these measures multiplied by 12.5.

Operational Risk. The company's capital requirements for operational risk are currently calculated under the standardised approach. The standardised approach requires companies to divide their activities into eight defined business lines or categories. Each business line is assigned a beta factor which is applied to the three-year average revenues of that business line (with certain prescribed exceptions, such as extraordinary income). Expenses are not included in the calculation. The sum of the individual business line requirements is multiplied by 12.5 to derive the operational RWAs.

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Concentration Risk. Under the U.K. capital framework prescribed in the PRA Rulebook and the U.K. Capital Requirements Regulation, institutions are required to monitor and control their large exposures. The large exposure framework is designed to limit the risk of over-reliance on an individual counterparty or a group of connected counterparties. There is a general limit applied to all of the institution's exposures to a single counterparty or groups of connected counterparties, which is set at 25% of eligible capital. The framework includes reporting requirements, hard limits and additional concentration capital charges for trading book large exposures. As of both December 2024 and December 2023, the company had no concentration risk capital requirements.

Leverage Ratio

The GSG UK Group, which includes the company, is subject to a minimum leverage ratio requirement. The leverage ratio compares Tier 1 capital to a measure of leverage exposure, defined as the sum of certain assets plus certain off-balance-sheet exposures (which include a measure of derivatives, securities financing transactions, commitments and guarantees), less Tier 1 capital deductions.

The table below presents information about the GSG UK Group's leverage ratio requirement, inclusive of buffers, and the company's leverage ratio.

\$ in millions	As of December	
	2024	2023
Tier 1 capital	\$ 38,197	\$ 37,903
Leverage exposure	\$ 720,031	\$ 779,898
Leverage ratio requirement	3.5%	3.5%
Leverage ratio	5.3%	4.9%

In the table above, the leverage ratio as of December 2024 increased compared with December 2023, due to a decrease in leverage exposure and an increase in Tier 1 capital.

Minimum Requirement for Own Funds and Eligible Liabilities

The company is subject to a minimum requirement for own funds and eligible liabilities (MREL) issued to GS Group affiliates. As of both December 2024 and December 2023, the company was in compliance with this requirement. During 2024, the company increased its MREL-eligible senior intercompany borrowings by \$1.70 billion.

\$ in millions	As of December	
	2024	2023
Total regulatory capital	\$ 45,071	\$ 44,780
Eligible senior intercompany borrowings	18,390	16,690
Total MREL	\$ 63,461	\$ 61,470

In the table above, eligible senior intercompany borrowings excludes accrued interest.

Swaps, Derivatives and Commodities Regulation

The company is a registered swap dealer with the Commodity Futures Trading Commission (CFTC) and a registered security-based swap dealer with the U.S. Securities and Exchange Commission (SEC). As of both December 2024 and December 2023, the company was subject to and in compliance with applicable capital requirements for swap dealers and security-based swap dealers.

Regulatory Matters and Other Developments

The company's businesses are subject to extensive regulation and supervision worldwide. Regulations have been adopted or are being considered by regulators and policy-makers. Given that many of the new and proposed rules are highly complex, the full impact of regulatory reform will not be known until the rules are implemented and market practices develop under the revised U.K. regulations.

Risk-Based Capital Ratios

The Basel Committee's finalisation of the Basel III post-crisis regulatory reforms includes revisions related to credit risk, market risk, counterparty credit risk, credit valuation adjustment (CVA) risk and operational risk (Basel III Revisions). In addition, the revisions set a floor on internally modelled capital requirements at a percentage of the capital requirements under the standardised approach (known as the 'output floor').

In September 2024, the PRA completed its near-final rules implementing Basel III Revisions with the publication of near-final policy statements on credit risk, the output floor, and reporting and disclosure requirements. Under the PRA near-final rules, U.K. subsidiaries of overseas banking groups, such as the company, are not expected to be subject to the output floor. In January 2025, the PRA announced a delay in the proposed effective date to January 1, 2027. The company continues to evaluate the impact of the proposed rules as they are implemented by the company.

In October 2024, the PRA published a consultation on large exposures and the Bank of England published a consultation on MREL. The company continues to evaluate the impact of these proposed consultations as they are finalised by the PRA and the Bank of England.

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Principal Risks and Uncertainties

The company faces a variety of risks that are substantial and inherent in its businesses. The principal risks and uncertainties that the company faces are: market risk, liquidity risk, credit risk, operational risk, legal and regulatory risk, competition risk, and market developments and general business environment risk. These risks have been summarised below.

These risks are primarily addressed through the company's risk management and corporate governance framework, see "Risk Management — Overview and Structure of Risk Management" and "Directors' Report — Corporate Governance" for further information. For further information about liquidity risk, market risk, credit risk and operational risk and the company's mitigants, see "Liquidity Risk Management", "Market Risk Management", "Credit Risk Management", and "Operational Risk Management", respectively. Market developments and general business environment risks are overseen by a series of committees, councils and working groups at both the GS Group and the company level. Competition risk is primarily managed by the company's strategy and the company's engagement with employees, see "Directors' Report — Corporate Governance — Strategy" and "Directors' Report — Corporate Governance — Stakeholder Engagement — Engagement with Employees", respectively, for further information.

Market

- The company's businesses have been and may in the future be adversely affected by conditions in the global financial markets and broader economic conditions.
- The company's businesses have been and may in the future be adversely affected by declining asset values, particularly where it has net "long" positions, receives fees based on the value of assets managed, or receives or posts collateral.
- The company's market-making activities have been and may in the future be affected by changes in the levels of market volatility.
- The company's investment banking and client intermediation businesses have been adversely affected and may in the future be adversely affected by market uncertainty or lack of confidence among investors and chief executive officers due to declines in economic activity and other unfavourable economic, geopolitical or market conditions.
- Inflation has had, and could continue to have, a negative effect on the company's business, results of operations and financial condition.

Liquidity

- The company's liquidity, profitability and businesses may be adversely affected by an inability to access the debt capital markets or to sell assets.
- The company's businesses have been and may in the future be adversely affected by disruptions or lack of liquidity in the credit markets, including reduced access to credit and higher costs of obtaining credit.

- Reductions in the company's and/or Group Inc.'s credit ratings or an increase in its credit spreads may adversely affect its liquidity and cost of funding.

Credit

- The company's businesses, profitability and liquidity may be adversely affected by deterioration in the credit quality of or defaults by third parties.
- Concentration of risk increases the potential for significant losses in the company's market-making, underwriting, investing and financing activities.
- Derivative transactions and delayed documentation or settlements expose the company to credit risk, unexpected risks and potential losses.

Operational

- A failure in the company's or third-party operational systems or human error, malfeasance or other misconduct, could impair the company's liquidity, disrupt its businesses, result in the disclosure of confidential information, damage its reputation and cause losses.
- A failure or disruption in the company's infrastructure, or in the operational systems or infrastructure of third parties, could impair the company's liquidity, disrupt its businesses, damage its reputation and cause losses.
- The development and use of artificial intelligence (AI) presents risks and challenges that may adversely impact the company's business.
- A failure to protect the company's computer systems, networks and information, and its clients' information, against cyber attacks and similar threats could impair its ability to conduct its businesses, result in the disclosure, theft or destruction of confidential information, damage its reputation and cause losses.
- The company has in the past incurred and may in the future incur losses as a result of ineffective risk management processes and strategies.
- The company is reliant on Group Inc. and other GS Group affiliates for client business, various services, capital and liquidity.

Legal and Regulatory

- The company's businesses and those of its clients are subject to extensive and pervasive regulation around the world.
- A failure to appropriately identify and address potential conflicts of interest has in the past and may in the future adversely affect the company's businesses.
- Substantial civil or criminal liability or significant regulatory action against the company has in the past and may in the future have material adverse financial effects and significant reputational consequences, which in turn could seriously harm its business prospects.

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- In conducting its business around the world, the company is subject to political, legal, regulatory, tax and other risks that are inherent in operating in many countries.
- The application of regulatory strategies and requirements to facilitate the orderly resolution of large financial institutions could create greater risk of loss for the company's security holders.
- The company's commodities activities, particularly its physical commodities activities, subject the company to extensive regulation and involve certain potential risks, including environmental, reputational and other risks that may expose the company to significant liabilities and costs.

Competition

- The company's results have been and may in the future be adversely affected by the composition of its client base.
- The financial services industry is highly competitive.
- The growth of electronic trading and the introduction of new products and technologies, including trading and distributed ledger technologies, such as cryptocurrencies, and AI technologies, has increased competition.
- The company's businesses would be adversely affected if the company is unable to hire and retain qualified employees.

Market Developments and General Business Environment

- The company's businesses, financial condition, liquidity and results of operations have been and may in the future be adversely affected by unforeseen or catastrophic events, including pandemics, terrorist attacks, wars, extreme weather events or other natural disasters.
- Climate change could disrupt the company's businesses and adversely affect client activity levels and the creditworthiness of its clients and counterparties, and the company's actual or perceived action or inaction relating to climate change could result in damage to its reputation.
- The company's business, financial condition, liquidity and results of operations have been adversely affected by disruptions in the global economy caused by conflicts, and related sanctions and other developments.
- The company may be adversely affected by negative publicity.
- Certain of the company's businesses and its funding instruments may be adversely affected by changes in reference rates, currencies, indices, baskets or ETFs to which products it offers or funding it raises are linked.
- The company's business, financial condition, liquidity and results of operations may be adversely affected by disruptions in the global economy caused by escalating tensions between the U.S. and China.
- The company faces enhanced risks as GS Group operates in new locations, and the company transacts with a broader array of clients and counterparties.

Risk Management

Risks are inherent in the company's businesses and include liquidity, market, credit, operational, cybersecurity, model, legal, compliance, conduct, regulatory and reputational risks. For further information about the company's risk management processes, see "Overview and Structure of Risk Management", and for information about the company's areas of risk, see "Liquidity Risk Management", "Market Risk Management", "Credit Risk Management", "Operational Risk Management", "Model Risk Management" and "Other Risk Management" below and "Non-Financial and Sustainability Information Statement — Climate-Related and Environment Risk Management" and "Principal Risks and Uncertainties".

Overview and Structure of Risk Management

Overview

Effective risk management is critical to the company's success. Accordingly, the company utilises GS Group's enterprise risk management framework that employs a comprehensive, integrated approach to risk management and is designed to enable comprehensive risk management processes through which the risks associated with the company's businesses are identified, assessed, monitored and managed.

The implementation of the company's risk governance structure and core risk management processes are overseen by Enterprise Risk, which reports to the company's chief risk officer, and is responsible for ensuring that the company's enterprise risk management framework provides the company's board of directors (known hereafter as the "Board"), the company's risk committees and senior management with a consistent and integrated approach to managing the various risks in a manner consistent with the company's risk appetite.

Together with the company's Board, an extensive committee structure with representation from senior management of the company is central to the risk management culture throughout the company. The company's risk management structure, consistent with GS Group, is built around three core components: governance; processes; and people.

Governance. Risk management governance starts with the company's Board, which both directly and through its committees, including the GSI Board Risk Committee, oversees the company's approach to managing its risks through the enterprise risk management framework.

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The company's first line of defence consists of the company's revenue-producing units, Conflicts Resolution, Controllers, Engineering, Corporate Treasury and certain other corporate functions. The first line of defence is responsible for the company's risk-generating activities, as well as for the design and execution of controls to mitigate such risks.

The company's Risk and Compliance functions are considered as the second line of defence and provide independent assessment, oversight and challenge of the risks taken by the first line of defence, as well as lead and participate in GS Group's firmwide, and the company's, risk committees.

Internal Audit is considered as the third line of defence and reports to the GSI Board Audit Committee and administratively to GS Group's chief executive officer. Internal Audit includes professionals with a broad range of audit and industry experience, including risk management expertise. Internal Audit is responsible for independently assessing and validating the effectiveness of key controls, including those within the risk management framework, and providing timely reporting to the GSI Board Audit Committee, senior management and regulators.

The three lines of defence structure promotes the accountability of first line risk takers, provides a framework for effective challenge by the second line and empowers independent review from the third line.

Processes. The company maintains various processes that are critical components of its risk management framework, including (i) risk identification and assessment, (ii) risk appetite, limits, thresholds and alerts, (iii) control monitoring and testing, and (iv) risk reporting.

The company has a comprehensive data collection process, including policies and procedures that require all employees to report and escalate risk events. The company's approach for risk identification and assessment is comprehensive across all risk types, is dynamic and forward-looking to reflect and adapt to the company's changing risk profile and business environment, leverages subject matter expertise, and allows for prioritisation of the company's most critical risks. The company performs risk assessments periodically with the aim of ensuring that its material financial and non-financial risks are mitigated through controls to an acceptable tolerance level in accordance with its risk appetite. The company's risk assessments include, among other things, the use of stress testing as well as an assessment of the company's internal control processes designed to mitigate such risks. The company also recognises that climate change is an emerging risk that presents both challenges and opportunities for its business. Risk management functions continue to develop the company's approach to identify and manage the risks to its assets and counterparties arising from climate change. See "Non-Financial and Sustainability Information Statement — Climate-Related and Environment Risk Management" for further details.

The company maintains a daily discipline of marking substantially all of its inventory to current market levels.

Stress testing is an important part of the company's risk management process. It allows the company to quantify its exposure to tail risks, highlight potential loss concentrations, undertake risk/reward analysis, and assess and mitigate its risk positions. Stress tests are performed on a regular basis and are designed to ensure a comprehensive analysis of the company's vulnerabilities, and idiosyncratic risks combining financial and non-financial risks, including, but not limited to, credit, market, liquidity and funding, operational and compliance, strategic, systemic and emerging risks into the company's stress scenarios. Ad hoc stress tests are also performed in anticipation of market events or conditions. Stress tests are also used to assess capital adequacy as part of the company's capital planning and stress testing process. See "Capital Management and Regulatory Capital — Capital Management" for further information.

The company's risk reporting process is designed to take into account information about both existing and emerging risks, thereby enabling the company's risk committees and senior management to perform their responsibilities with the appropriate level of insight into risk exposures.

People. The experience of the company's professionals, and their understanding of the nuances and limitations of each risk measure, guide the company in assessing exposures and maintaining them within prudent levels.

Structure

Ultimate oversight of risk in the company is the responsibility of the company's Board, which oversees the risk both directly and through delegation to various committees. A series of committees that generally consist of senior managers, including from both the first and second lines of defence, with specific risk management mandates covering important aspects of the company's businesses also have oversight or decision-making responsibilities for risk management activities. The key committees with oversight of the company's activities are described below.

GSI Board Audit Committee. The GSI Board Audit Committee assists the company's Board in the review of processes for ensuring the suitability and effectiveness of the systems and controls of the company. This committee also has the responsibility for overseeing the external audit arrangements and review of internal audit activities. Its membership includes non-executive directors of the company. The GSI Board Audit Committee reports to the company's Board.

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GSI Board Risk Committee. The GSI Board Risk Committee is responsible for providing advice to the company's Board on the company's overall current and future risk appetite and assisting the company's Board in overseeing the implementation of that risk appetite by senior management. This includes reviewing and advising on the company's risk strategy and oversight of the capital, liquidity and funding position of the company. Its membership includes non-executive directors of the company. The GSI Board Risk Committee reports to the company's Board.

European Management Committee (EMC). The EMC oversees the activities of GS Group in EMEA. Its membership includes the chief executive officer of the company and senior managers from the first line of defence.

GSI Risk Committee. The GSI Risk Committee is responsible for the ongoing monitoring and control of all financial and non-financial risks associated with the company's activities. This includes reviewing key financial and risk metrics, including, but not limited to profit and loss, capital (including the ICAAP), funding, liquidity, credit risk, market risk, operational risk, price verification and stress tests. The GSI Risk Committee approves market risk, credit risk, liquidity and regulatory capital limits. Its membership includes senior managers from both the first and second lines of defence. The GSI Risk Committee reports to the GSI Board Risk Committee and the company's Board.

GSI Asset Liability Committee. The GSI Asset Liability Committee reviews and approves the strategic direction for the company's financial resources including capital, liquidity, funding and balance sheet. This committee has oversight responsibility for asset liability management, including interest rate and currency risk, funds transfer pricing, capital allocation and incentives, and credit ratings. This committee makes recommendations as to any adjustments to asset liability management and financial resource allocation in light of current events, risks, exposures, and regulatory requirements and approves related policies. Its membership includes senior managers from both the first and second lines of defence. The GSI Asset Liability Committee reports to GS Group's Firmwide Asset Liability Committee and the EMC.

EMEA Conduct Committee. The EMEA Conduct Committee has oversight responsibility for conduct risk and business standards and practices in the region. Its membership includes senior managers from both the first and second lines of defence. The EMEA Conduct Committee reports to the EMC, GS Group's Firmwide Conduct Committee and the company's Board or its committees as appropriate.

GS Group Risk Governance

The comprehensive global risk governance framework in place at the GS Group level forms an integral part of the risk management process at the company. GS Group has established a series of committees with specific risk management mandates. Committees with oversight of matters relevant to the company include representation from the company's senior management. The primary GS Group risk and oversight committees are described below.

Management Committee. The Management Committee oversees the global activities of GS Group. The committee consists of the most senior leaders of GS Group, and is chaired by GS Group's chief executive officer. The chief executive officer of the company is a member of this committee.

Firmwide Enterprise Risk Committee. The Firmwide Enterprise Risk Committee is responsible for overseeing all of GS Group's financial and non-financial risks. As a part of such oversight, the committee is responsible for the ongoing review, approval and monitoring of GS Group's enterprise risk management framework, as well as its risk limits, and thresholds and alerts policy, through delegated authority to the Firmwide Risk Appetite Committee. This committee also reviews new significant strategic business initiatives to determine whether they are consistent with GS Group's risk appetite and risk management capabilities. Additionally, the Firmwide Enterprise Risk Committee performs enhanced reviews of significant risk events, the top residual and emerging risks, and the overall risk and control environment in each of GS Group's business units in order to propose uplifts, identify elements that are common to all business units and analyse the consolidated residual risk that GS Group faces. This committee, which reports to GS Group's Management Committee, is co-chaired by GS Group's chief operating officer and chief risk officer, who are appointed as chairs by GS Group's chief executive officer, and the vice-chair is GS Group's chief financial officer, who is appointed as vice-chair by the chairs of the Firmwide Enterprise Risk Committee. The Firmwide Enterprise Risk Committee also periodically provides updates to, and receives guidance from, the Risk Committee of Group Inc.'s board of directors. Its membership includes representation from the company's senior management.

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Firmwide Asset Liability Committee. The Firmwide Asset Liability Committee reviews and approves the strategic direction for GS Group's financial resources, including capital, liquidity, funding and balance sheet. This committee has oversight responsibility for asset liability management, including interest rate and currency risk, funds transfer pricing, capital allocation and incentives, and credit ratings. This committee makes recommendations as to any adjustments to asset liability management and financial resource allocation in light of current events, risks, exposures, and regulatory requirements and approves related policies. This committee is co-chaired by GS Group's chief financial officer and global treasurer, who are appointed as chairs by GS Group's chief executive officer, and reports to GS Group's Management Committee. Its membership includes representation from the company's senior management.

Liquidity Risk Management

Overview (Audited)

Liquidity risk is the risk that the company will be unable to fund itself or meet its liquidity needs in the event of company-specific, broader industry or market liquidity stress events. The company has in place a comprehensive and conservative set of liquidity and funding policies. The company's principal objective is to be able to fund itself and to enable its core businesses to continue to serve clients and generate revenues, even under adverse circumstances.

Corporate Treasury is responsible for GS Group's liquidity, including developing and executing GS Group's liquidity and funding strategy.

Liquidity Risk, which is part of the second line of defence and reports to GS Group's chief risk officer, has primary responsibility for assessing, monitoring and managing GS Group's liquidity risk by providing independent oversight and challenge across GS Group's global businesses. Liquidity risk is also responsible for the establishment of stress testing and limits frameworks. The company's framework for managing liquidity risk is consistent with, and part of, the GS Group framework.

Liquidity Risk Management Principles (Audited)

The company manages liquidity risk according to three principles: (i) hold sufficient excess liquidity in the form of GCLA to cover outflows during a stressed period; (ii) maintain appropriate Asset-Liability Management; and (iii) maintain a viable Contingency Funding Plan.

GCLA. GCLA is liquidity that the company maintains to meet a broad range of potential cash outflows and collateral needs in a stressed environment. A primary liquidity principle is to pre-fund the company's estimated potential cash and collateral needs during a liquidity crisis and hold this liquidity in the form of unencumbered, highly liquid securities and cash. The company believes that the securities held in its GCLA would be readily convertible to cash in a matter of days, through liquidation, by entering into repurchase agreements or from maturities of resale agreements, and that this cash would allow it to meet immediate obligations without needing to sell other assets or depend on additional funding from credit-sensitive markets.

The company's GCLA is distributed across asset types, issuers and clearing agents with the goal of providing sufficient operating liquidity to ensure timely settlement in all major markets, even in a difficult funding environment.

Asset-Liability Management. The company's liquidity risk management policies are designed to ensure the company has a sufficient amount of financing, even when funding markets experience persistent stress. The company manages maturities and diversity of funding across markets, products and counterparties, and seeks to maintain a diversified external funding profile with an appropriate tenor, taking into consideration the characteristics and liquidity profile of its assets.

The company's goal is to ensure it maintains sufficient liquidity to fund its assets and meet its contractual and contingent obligations in normal times, as well as during periods of market stress. Through the dynamic balance sheet management process, actual and projected asset balances are used to determine secured and unsecured funding requirements. In a liquidity crisis, the company would begin by liquidating and monetising its GCLA before selling other assets. However, the company recognises that orderly asset sales may be prudent or necessary in a severe or persistent liquidity crisis.

Contingency Funding Plan. GS Group maintains a contingency funding plan, which has a GSI-specific addendum, to provide a framework for analysing and responding to a liquidity crisis situation or periods of market stress. The contingency funding plan outlines a list of potential risk factors, key reports and metrics that are reviewed on an ongoing basis to assist in assessing the severity of, and managing through, a liquidity crisis and/or market dislocation. The contingency funding plan also describes the company's potential responses if assessments indicate that the company has entered a liquidity crisis, which include pre-funding for what the company estimates will be its potential cash and collateral needs, as well as utilising secondary sources of liquidity. Mitigants and action items to address specific risks which may arise are also described and assigned to individuals responsible for execution.

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Stress Tests

In order to determine the appropriate size of the company's GCLA, the company models liquidity outflows over a range of scenarios and time horizons. One of the company's primary internal liquidity risk models, referred to as the Modelled Liquidity Outflow, quantifies the company's liquidity risks over a 30-day stress scenario. Other factors are considered, including, but not limited to, an assessment of potential intraday liquidity needs through an additional internal liquidity risk model, referred to as the Intraday Liquidity Model, the results of the company's long-term stress testing models, resolution liquidity models and other applicable regulatory requirements and a qualitative assessment of the condition of the company, as well as the financial markets. The results of the Modelled Liquidity Outflow, the Intraday Liquidity Model, the long-term stress testing models and the resolution liquidity models are reported to senior management on a regular basis. GS Group and the company also perform stress tests. See "Overview and Structure of Risk Management" for information about company-wide stress tests.

Modelled Liquidity Outflow. The Modelled Liquidity Outflow is based on conducting multiple scenarios that include combinations of market-wide and GS Group-specific stress. These scenarios are characterised by the following qualitative elements:

- Severely challenged market environments, which includes low consumer and corporate confidence, financial and political instability, and adverse changes in market values, including potential declines in equity markets and widening of credit spreads; and
- A GS Group-specific crisis potentially triggered by material losses, reputational damage (including, as a result of, the dissemination of negative information through social media), litigation and/or a ratings downgrade.

The following are key modelling elements of the company's Modelled Liquidity Outflow:

- Liquidity needs over a 30-day scenario;
- A two-notch downgrade of the long-term senior unsecured credit ratings of Group Inc. and its rated subsidiaries, including the company;
- Changing conditions in funding markets, which limit the company's access to unsecured and secured funding; and
- A combination of contractual outflows, such as upcoming maturities of unsecured debt, and contingent outflows, including, among other things, the withdrawal of customer credit balances in the company's prime brokerage business or an increase in variation margin requirements due to adverse changes in the value of the company's exchange-traded and OTC-cleared derivatives.

Intraday Liquidity Model. The company's Intraday Liquidity Model measures the company's intraday liquidity needs in a scenario where access to sources of intraday liquidity may become constrained. The intraday liquidity model considers a variety of factors, including historical settlement activity.

Long-Term Stress Testing. The company utilises longer-term stress tests to take a forward view on its liquidity position through prolonged stress periods in which the company experiences a severe liquidity stress and recovers in an environment that continues to be challenging.

Resolution Liquidity Models. In connection with GS Group's resolution planning efforts, GS Group has established a Resolution Liquidity Adequacy and Positioning framework, which estimates liquidity needs of its major subsidiaries, including the company, in a stressed environment. GS Group has also established a Resolution Liquidity Execution Need framework, which measures the liquidity needs of its major subsidiaries, including the company, to stabilise and wind-down following a Group Inc. bankruptcy filing in accordance with GS Group's preferred resolution strategy.

In addition, GS Group has established a triggers and alerts framework, which is designed to provide the Group Inc.'s board of directors with information needed to make an informed decision on whether and when to commence bankruptcy proceedings for Group Inc.

Limits

The company uses liquidity risk limits at various levels and across liquidity risk types to manage the size of its liquidity exposures. Limits are measured relative to acceptable levels of risk given the company's liquidity risk tolerance. The purpose of these limits is to assist senior management in monitoring and controlling the company's overall liquidity profile.

The GSI Board Risk Committee and the GSI Risk Committee approve the company's limits. Limits are reviewed frequently and amended, with required approvals, on a permanent and temporary basis, as appropriate, to reflect changing market or business conditions.

Limits are monitored by the company's Corporate Treasury and Liquidity Risk functions. Liquidity Risk is responsible for identifying and escalating to senior management and/or the appropriate risk committee, on a timely basis, instances where limits have been exceeded.

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GCLA and Unencumbered Metrics

GCLA. Based on the results of the company's internal liquidity risk models, described above, as well as consideration of other factors, including, but not limited to, a qualitative assessment of the condition of the company, as well as the financial markets, the company believes its liquidity position as of both December 2024 and December 2023 was appropriate. The company strictly limits its GCLA to a narrowly defined list of securities and cash because they are highly liquid, even in a difficult funding environment. The company does not include other potential sources of excess liquidity in its GCLA, such as less liquid unencumbered securities or committed credit facilities.

The table below presents information about the company's GCLA.

\$ in millions	Average for the Year Ended December	
	2024	2023
Overnight cash deposits	\$ 20,066	\$ 40,536
U.S. government obligations	33,135	26,496
Non-U.S. government obligations	25,900	11,965
Total	\$ 79,101	\$ 78,997

The GCLA held by the company is intended for use only by the company to meet its liquidity requirements and is assumed not to be available to Group Inc. or Funding IHC. In addition to GCLA held in the company, GS Group holds a portion of global GCLA directly at Group Inc. or Funding IHC, which in some circumstances may be additionally provided to the company or other major subsidiaries.

Other Unencumbered Assets. In addition to its GCLA, the company has a significant amount of other unencumbered cash and financial instruments, including other government obligations, high-grade money market securities, corporate obligations, marginable equities, loans and cash deposits not included in its GCLA. The fair value of the company's other unencumbered assets averaged \$21.45 billion for 2024 and \$22.94 billion for 2023.

Liquidity Regulatory Framework

The implementation of the Basel Committee's international framework for liquidity risk management, standards and monitoring calls for a Liquidity Coverage Ratio (LCR) and a Net Stable Funding Ratio (NSFR).

The company is subject to a minimum LCR of 100% under the LCR rule approved by the U.K. regulatory authorities. The company's average monthly LCR for the trailing twelve-month period ended December 2024 and the trailing twelve-month period ended December 2023 exceeded the minimum requirement.

The NSFR is designed to promote medium- and long-term stable funding of the assets and off-balance sheet activities of banking organisations over a one-year time horizon. The Basel Committee's NSFR framework requires banking organisations to maintain a minimum NSFR of 100%. The company is subject to the applicable NSFR requirement implemented in the U.K. As of both December 2024 and December 2023, the company's NSFR exceeded the minimum requirement.

Amendments to these rules as adopted by the regulatory authorities could impact the company's liquidity and funding requirements and practices in the future.

Credit Ratings

The company relies on the debt capital markets to fund a significant portion of its day-to-day operations and the cost and availability of debt financing is influenced by the company's credit rating and that of Group Inc. Credit ratings are also important when the company is competing in certain markets, such as OTC derivatives, and when it seeks to engage in longer-term transactions.

The table below presents the unsecured credit ratings and outlook of the company and Group Inc.

	As of December 2024		
	Fitch	Moody's	S&P
GSI			
Short-term debt	F1	P-1	A-1
Long-term debt	A+	A1	A+
Ratings outlook	Stable	Stable	Stable
Group Inc.			
Short-term debt	F1	P-1	A-2
Long-term debt	A	A2	BBB+
Subordinated debt	BBB+	Baa2	BBB
Trust preferred	BBB-	Baa3	BB+
Preferred stock	BBB-	Ba1	BB+
Ratings outlook	Stable	Stable	Stable

Certain of the company's derivatives have been transacted under bilateral agreements with counterparties who may require the company to post collateral or terminate the transactions based on changes in the credit ratings of either the company and/or Group Inc. The company assesses the impact of these bilateral agreements by determining the collateral or termination payments that would occur assuming a downgrade by all rating agencies of both Group Inc. and the company simultaneously and of each entity individually.

Strategic Report

The table below presents the additional collateral or termination payments related to the company's net derivative liabilities under bilateral agreements that could have been called by counterparties in the event of a one- or two-notch downgrade in Group Inc.'s and/or the company's credit ratings.

\$ in millions	As of December	
	2024	2023
Additional collateral or termination payments:		
One-notch downgrade	\$ 199	\$ 142
Two-notch downgrade	\$ 842	\$ 1,144

Cash Flows

As a global financial institution, the company's cash flows are complex and bear little relation to the company's profitability and net assets. Consequently, the company believes that traditional cash flow analysis is less meaningful in evaluating its liquidity position than the liquidity and asset liability management policies described above. Cash flow analysis may, however, be helpful in highlighting certain macro trends and strategic initiatives in the company's businesses.

The statement of cash flows is set out on page 52 of this annual report.

Year Ended December 2024. The company's cash and cash equivalents, net of overdrafts decreased by \$23.88 billion to \$11.58 billion at the end of December 2024, primarily due to net cash used in operating activities of \$21.23 billion and financing activities of \$2.81 billion. The net cash used in financing activities of \$2.81 billion primarily reflected cash dividends paid of \$2.19 billion, interest paid on subordinated loans and MREL-eligible intercompany loans of \$1.83 billion and interest paid on AT1 notes of \$495 million, partially offset by receipts from issuing MREL-eligible intercompany loans of \$1.70 billion.

Year Ended December 2023. The company's cash and cash equivalents, net of overdrafts increased by \$23.81 billion to \$35.45 billion at the end of December 2023, primarily due to net cash from operating activities of \$27.16 billion, partially offset by net cash used in financing activities of \$4.73 billion. The net cash used in financing activities of \$4.73 billion primarily reflected the repurchase of \$2.80 billion of AT1 notes for \$2.27 billion, cash dividends paid of \$1.68 billion, interest paid on subordinated loans and MREL-eligible intercompany loans of \$1.62 billion and interest paid on AT1 notes of \$643 million, partially offset by receipts from issuing subordinated loans of \$1.50 billion.

Maturity of Financial Assets, Financial Liabilities and Commitments

See Note 30 to the financial statements for a maturity analysis of the company's financial assets, financial liabilities and commitments.

Market Risk Management

Overview (Audited)

Market risk is the risk of an adverse impact to the company's earnings due to changes in market conditions. The company employs a variety of risk measures, each described in the respective sections below, to monitor market risk. Categories of market risk include the following:

- Interest rate risk: results from exposures to changes in the level, slope and curvature of yield curves, the volatilities of interest rates, prepayment speeds and credit spreads;
- Equity price risk: results from exposures to changes in prices and volatilities of individual equities, baskets of equities and equity indices;
- Currency rate risk: results from exposures to changes in spot prices, forward prices and volatilities of currency rates; and
- Commodity price risk: results from exposures to changes in spot prices, forward prices and volatilities of commodities, such as crude oil and metals.

Market Risk, which is part of the second line of defence and reports to GS Group's chief risk officer, has primary responsibility for assessing, monitoring and managing GS Group's market risk by providing independent oversight and challenge across GS Group's global businesses.

Managers in revenue-producing units and Market Risk discuss market information, positions and estimated loss scenarios on an ongoing basis. Managers in revenue-producing units are accountable for managing risk within prescribed limits, both at the GS Group and the company level.

Market Risk Management Process (Audited)

The company's process for managing market risk includes the critical components of the risk management framework described in the "Overview and Structure of Risk Management", as well as the following:

- Monitoring compliance with established market risk limits and reporting the company's exposures;
- Diversifying exposures;
- Controlling position sizes; and
- Evaluating mitigants, such as economic hedges in related securities or derivatives.

The company's framework for managing market risk is consistent with, and part of, the GS Group framework, and results are analysed by business and in aggregate, at both the GS Group and the company level.

Risk Measures (Audited)

The company produces risk measures and monitors them against established market risk limits. These measures reflect an extensive range of scenarios and the results are aggregated at the product, business and company-wide level.

Strategic Report

A variety of risk measures are used to estimate the size of potential losses for small, moderate and more extreme market moves over both short- and long-term time horizons. Primary risk measures are VaR, which is used for shorter-term periods, and stress tests. The company's risk report details key risks, drivers and changes for each business, and is distributed daily to senior management of both the revenue-producing units and Risk.

Value-at-Risk. VaR is the potential loss in value due to adverse market movements over a defined time horizon with a specified confidence level. A one-day time horizon with a 95% confidence level is typically employed. The VaR model is a single model that captures risks including those related to interest rates, equity prices, currency rates and commodity prices. As such, VaR facilitates comparison across portfolios of different risk characteristics. VaR also captures the diversification of aggregated risk across the company. The VaR model is applied consistently across GS Group, including the company.

VaR is analysed at the company level and a variety of more detailed levels, including by risk category and business. Inherent limitations to VaR include:

- VaR does not estimate potential losses over longer time horizons where moves may be extreme;
- VaR does not take account of the relative liquidity of different risk positions; and
- Previous moves in market risk factors may not produce accurate predictions of all future market moves.

To comprehensively capture the company's exposures and relevant risks in the VaR calculations, historical simulations with full valuation of market factors at the position level by simultaneously shocking the relevant market factors for that position are used. These market factors include spot prices, credit spreads, funding spreads, yield curves, volatility and correlation, and are updated periodically based on changes in the composition of positions, as well as variations in market conditions. A sample from five years of historical data is taken to generate the scenarios for the VaR calculation. The historical data is weighted so that the relative importance of the data reduces over time. This gives greater importance to more recent observations and reflects current asset volatilities, which improves the accuracy of estimates of potential loss. As a result, even if positions included in VaR were unchanged, VaR would increase with increasing market volatility and vice versa.

Given its reliance on historical data, VaR is most effective in estimating risk exposures in markets in which there are no sudden fundamental changes or shifts in market conditions.

The VaR measure does not include:

- Positions that are not accounted for at fair value under U.S. GAAP, such as certain collateralised agreements, collateralised financings and unsecured borrowings that are accounted for at amortised cost;

- Positions that are best measured and monitored using sensitivity measures; and
- The impact of changes in counterparty and GS Group's and/or the company's credit spreads on derivatives, as well as changes in GS Group's and/or the company's credit spreads on unsecured borrowings, which are designated at fair value through profit or loss.

Daily backtesting of the VaR model is performed (i.e., comparing daily net revenues for positions included in VaR to the VaR measure calculated as of the prior business day) at the company level and for each of its businesses.

Stress Testing

Stress testing is a method of determining the effect of various hypothetical stress scenarios on the company. The company uses stress testing to examine risks of specific portfolios, as well as the potential impact of its significant risk exposures. A variety of stress testing techniques to calculate the potential loss from a wide range of market moves on the company's portfolios are used, including firmwide stress tests, sensitivity analysis and scenario analysis. The results of the various stress tests are analysed together for risk management purposes. See "Overview and Structure of Risk Management" for information about company-wide stress tests.

Unlike VaR measures, which have an implied probability because they are calculated at a specified confidence level, there may not be an implied probability that the company's stress testing scenarios will occur. Instead, stress testing is used to model both moderate and more extreme moves in underlying market factors. When estimating potential loss, it is generally assumed that positions cannot be reduced or hedged (although experience demonstrates that the company is generally able to do so).

Limits

The company uses market risk limits at various levels to manage the size of its market exposures. These limits are set based on VaR and on a range of stress tests relevant to the company's exposures.

The GSI Board Risk Committee and the GSI Risk Committee set market risk limits for the company at an entity, business and product level, consistent with the company's risk appetite.

Market Risk is responsible for monitoring these limits, and identifying and escalating to senior management and/or the appropriate risk committee, on a timely basis, instances where limits have been exceeded (e.g., due to positional changes or changes in market conditions, such as increased volatilities or changes in correlations). Such instances are remediated by a reduction in the positions the company holds and/or a temporary or permanent increase to the limit, if warranted.

Strategic Report

Metrics (Audited)

VaR is analysed at the company level and a variety of more detailed levels, including by risk category and business. Diversification effect in the tables below represents the difference between total VaR and the sum of the VaRs for the four risk categories. This effect arises because the four market risk categories are not perfectly correlated.

The table below presents the company's average daily VaR.

\$ in millions	Year Ended December	
	2024	2023
Categories		
Interest rates	\$ 27	\$ 30
Equity prices	23	23
Currency rates	11	10
Commodity prices	2	2
Diversification effect	(25)	(24)
Total	\$ 38	\$ 41

The company's average daily VaR decreased to \$38 million for 2024 from \$41 million for 2023, primarily due to lower levels of volatility and exposures in the interest rates category.

The table below presents the company's period-end VaR.

\$ in millions	As of December	
	2024	2023
Categories		
Interest rates	\$ 25	\$ 23
Equity prices	26	19
Currency rates	7	7
Commodity prices	3	1
Diversification effect	(28)	(20)
Total	\$ 33	\$ 30

The company's period-end VaR increased to \$33 million as of December 2024 from \$30 million as of December 2023, primarily due to higher levels of volatility and exposures in the equity prices category. The total increase was driven by increases in the equity prices, interest rates and commodity prices categories, partially offset by an increase in the diversification effect.

The table below presents the company's high and low VaR.

\$ in millions	Year Ended December			
	2024		2023	
Categories	High	Low	High	Low
Interest rates	\$ 44	\$ 20	\$ 44	\$ 19
Equity prices	\$ 45	\$ 16	\$ 37	\$ 17
Currency rates	\$ 15	\$ 6	\$ 23	\$ 5
Commodity prices	\$ 5	\$ —	\$ 4	\$ 1
Company-wide				
VaR	\$ 54	\$ 27	\$ 73	\$ 27

Sensitivity Measures (Audited)

The company's sensitivity to other market risk measures is described below.

10% Sensitivity Measures. The market risk for positions, accounted for at fair value, that are not included in VaR is determined by estimating the potential reduction in net revenues of a 10% decline in the value of these positions. The market risk of these positions was \$4.2 million as of December 2024 and \$17.9 million as of December 2023.

Credit and Funding Spread Sensitivity on Derivatives and Financial Liabilities. VaR excludes the impact of changes in counterparty credit spreads, the company's own credit spreads and unsecured funding spreads on derivatives, as well as changes in the company's own credit spreads (debt valuation adjustment) on financial liabilities designated at fair value. The estimated sensitivity to a one basis point increase in credit spreads (counterparty and the company's own) and unsecured funding spreads on derivatives (including hedges) was a loss of \$0.1 million as of December 2024 and a loss of \$0.4 million as of December 2023. In addition, the estimated sensitivity to a one basis point increase in the company's own credit spreads on financial liabilities designated at fair value was a gain of \$8 million as of December 2024 and a gain of \$5 million as of December 2023. However, the actual net impact of a change in the company's own credit spreads is also affected by the liquidity, duration and convexity (as the sensitivity is not linear to changes in yields) of those financial liabilities designated at fair value, as well as the relative performance of any hedges undertaken.

Non-Trading Currency Exposure Sensitivity. VaR excludes non-trading currency exposure. The company monitors its non-trading currency exposure on a daily basis and frequently hedges this exposure. As such, there was no significant net exposure to any individual currency as of both December 2024 and December 2023.

Credit Risk Management

Overview (Audited)

Credit risk represents the potential for loss due to the default or deterioration in credit quality of a counterparty (e.g., an OTC derivatives counterparty or a borrower) or an issuer of securities or other instruments the company holds. The company's exposure to credit risk comes mostly from client transactions in OTC derivatives. Credit risk also comes from cash placed with banks, securities financing transactions (i.e., resale and repurchase agreements and securities borrowing and lending activities), customer and other receivables and other assets. In addition, the company holds other positions that give rise to credit risk (e.g., bonds). These credit risks are captured as a component of market risk measures, which are monitored and managed by Market Risk.

Credit Risk, which is part of the second line of defence and reports to GS Group's chief risk officer, has primary responsibility for assessing, monitoring and managing GS Group's credit risk by providing independent oversight and challenge across GS Group's global businesses. The company's framework for managing credit risk is consistent with the framework of GS Group, established by GS Group's Risk Governance Committee.

Credit Risk Management Process (Audited)

The process for managing credit risk includes the critical components of the company's risk management framework described in the "Overview and Structure of Risk Management", as well as the following:

- Monitoring compliance with established credit risk limits and reporting the company's credit exposures and credit concentrations;
- Assessing the likelihood that a counterparty will default on its payment obligations;
- Measuring the company's current and potential credit exposure and losses resulting from a counterparty default;
- Using credit risk mitigants, including collateral and hedging; and
- Maximising recovery through active workout and restructuring of claims.

The company also performs credit analyses, which incorporate initial and ongoing evaluations of the company's counterparties. A credit review is an independent analysis of the capacity and willingness of a counterparty to meet its financial obligations, resulting in an internal credit rating. The determination of internal credit ratings also incorporates assumptions with respect to the nature of and outlook for the counterparty's industry, and the economic environment. Senior personnel, with expertise in specific industries, inspect and approve credit reviews and internal credit ratings.

The credit risk management systems capture credit exposure to individual counterparties and on an aggregate basis to counterparties and their subsidiaries. These systems also provide management with comprehensive information about aggregate credit risk by product, internal credit rating, industry, country and region.

Risk Measures

Credit risk is measured based on the potential loss in the event of non-payment by a counterparty using current and potential exposure. For derivatives and securities financing transactions, current exposure represents the amount presently owed to the company after taking into account applicable netting and collateral arrangements, while potential exposure represents the company's estimate of the future exposure that could arise over the life of a transaction based on market movements within a specified confidence level. Potential exposure also takes into account netting and collateral arrangements.

Stress Tests

The company conducts regular stress tests to calculate the credit exposures, including potential concentrations that would result from applying shocks to counterparty credit ratings or credit risk factors (e.g., currency rates, interest rates, equity prices). These shocks cover a wide range of moderate and more extreme market movements, including shocks to multiple risk factors, consistent with the occurrence of a severe market or economic event. In the case of sovereign default, the company estimates the direct impact of the default on its sovereign credit exposures, changes to its credit exposures arising from potential market moves in response to the default, and the impact of credit market deterioration on corporate borrowers and counterparties that may result from the sovereign default. Unlike potential exposure, which is calculated within a specified confidence level, stress testing does not generally assume a probability of these events occurring. The company also performs company-wide stress tests. See "Overview and Structure of Risk Management" for information about company-wide stress tests.

Limits

Credit limits are used at various levels to manage the size and nature of the company's credit exposures. The GSI Board Risk Committee and the GSI Risk Committee approve credit risk limits at the company-wide, business and product level, consistent with the company's risk appetite. Furthermore, the GSI Risk Committee approves the framework that governs the setting of credit risk sub-limits at the company level, which is delegated to Credit Risk (through delegated authority from GS Group's Risk Governance Committee).

Credit Risk is responsible for monitoring these limits, and identifying and escalating to senior management and/or the appropriate risk committee, on a timely basis, instances where limits have been exceeded.

Strategic Report

Risk Mitigants

To reduce credit exposures on derivatives and securities financing transactions, the company may enter into netting agreements with counterparties that permit it to offset receivables and payables with such counterparties. The company may also reduce credit risk with counterparties by entering into agreements that enable it to obtain collateral from them on an upfront or contingent basis and/or to terminate transactions if the counterparty's credit rating falls below a specified level. The company monitors the fair value of the collateral to ensure that credit exposures are appropriately collateralised. The company seeks to minimise exposures where there is a significant positive correlation between the creditworthiness of counterparties and the market value of collateral received.

When the company does not have sufficient visibility into a counterparty's financial strength or when it believes a counterparty requires support from its parent company, the company may obtain third-party guarantees of the counterparty's obligations. The company may also seek to mitigate its credit risk using credit derivatives.

Credit Exposures (Audited)

The company's credit exposures are described further below.

Cash and Cash Equivalents. Cash and cash equivalents include both interest-bearing and non-interest-bearing deposits. The company seeks to mitigate the risk of credit loss, by placing substantially all of its deposits with highly rated banks and central banks.

Collateralised Agreements. The company bears credit risk related to collateralised agreements only to the extent that cash advanced to the counterparty exceeds the value of the collateral received. The company's credit exposure on these transactions is therefore significantly lower than the amounts recorded in the balance sheet, which represent fair values or contractual value before consideration of collateral received. The company also has credit exposure on collateralised financings, which are liabilities on its balance sheet, to the extent that the value of collateral pledged to the counterparty for these transactions exceeds the amount of cash or collateral received.

Customer and Other Receivables. The company is exposed to credit risk from its customer and other receivables through its receivables from broker/dealers and clearing organisations and receivables from customers. These primarily consist of receivables related to cash collateral paid to counterparties and clearing organisations in respect of derivative financial instrument liabilities. Customer and other receivables also includes collateralised receivables related to customer securities transactions, which generally have minimal credit risk due to both the value of the collateral received and the short-term nature of these receivables.

Trading Assets. Trading assets includes trading cash instruments and derivatives. In the tables below, trading cash instruments are included in the gross exposure, however, to the extent that they have been captured by market risk they are removed to arrive at net credit exposure. Derivatives are reported at fair value on a gross by counterparty basis in the company's financial statements unless the company has a current legal right of set-off and also intends to settle on a net basis. OTC derivatives are risk managed using the risk processes, measures and limits described above.

Other Assets. Other assets primarily includes investments, loans and miscellaneous receivables. In the tables below, investments are included in the gross exposure, however, certain investments are removed to arrive at the net credit exposure as they are captured by market risk. In addition to the mitigants quantified in "Financial Instruments Measured at Fair Value" below, the company may also obtain credit protection on certain loans through credit derivatives, which can be single name or index-based contracts, to mitigate the credit risk associated with certain lending activity.

Credit Risk Exposure (Audited)

The table below presents the company's gross credit exposure to financial assets and net credit exposure after taking account of assets captured by market risk in the company's risk management process, counterparty netting (i.e., the netting of financial assets and liabilities for a given counterparty when a legal right of set-off exists under an enforceable netting agreement), and cash and security collateral received and cash collateral posted under credit support agreements, which management considers when determining credit risk.

\$ in millions	Fair value	Amortised cost	Total
As of December 2024			
Gross credit exposure	\$ 898,105	\$ 211,313	\$ 1,109,418
Net credit exposure	\$ 27,255	\$ 45,232	\$ 72,487
As of December 2023			
Gross credit exposure	\$ 967,861	\$ 234,519	\$ 1,202,380
Net credit exposure	\$ 21,221	\$ 63,965	\$ 85,186

Strategic Report

Financial Instruments Measured at Fair Value. The table below presents the company's gross credit exposure to financial assets measured at fair value through profit or loss and net credit exposure after taking account of assets captured by market risk in the company's risk management process, counterparty netting, and cash and security collateral received and cash collateral posted under credit support agreements, which management considers when determining credit risk.

\$ in millions	Collateralised agreements	Trading assets	Other assets	Total
As of December 2024				
Gross credit exposure	\$ 71,594	\$ 826,082	\$ 429	\$ 898,105
Assets captured by market risk	—	(135,572)	(200)	(135,772)
Counterparty netting	(26,343)	(611,092)	—	(637,435)
Cash collateral	(355)	(37,136)	—	(37,491)
Security collateral received	(44,041)	(15,994)	(117)	(60,152)
Net credit exposure	\$ 855	\$ 26,288	\$ 112	\$ 27,255
As of December 2023				
Gross credit exposure	\$ 138,889	\$ 828,362	\$ 610	\$ 967,861
Assets captured by market risk	—	(121,294)	(289)	(121,583)
Counterparty netting	(38,268)	(631,428)	—	(669,696)
Cash collateral	(109)	(40,617)	—	(40,726)
Security collateral received	(99,722)	(14,796)	(117)	(114,635)
Net credit exposure	\$ 790	\$ 20,227	\$ 204	\$ 21,221

The table below presents the company's gross and net credit exposure to financial assets measured at fair value through profit or loss by internally determined public rating agency equivalents and other credit metrics.

\$ in millions	As of December	
	2024	2023
Gross credit exposure		
AAA	\$ 4,686	\$ 10,652
AA	43,049	78,738
A	611,569	647,143
BBB	60,043	68,636
BB or lower	42,492	40,575
Unrated	494	534
Assets captured by market risk	135,772	121,583
Total	\$ 898,105	\$ 967,861
Net credit exposure		
AAA	\$ 1,383	\$ 1,993
AA	7,991	2,329
A	9,216	5,540
BBB	4,440	4,056
BB or lower	3,878	6,840
Unrated	347	463
Total	\$ 27,255	\$ 21,221

In the table above:

- Unrated credit exposures relate to financial assets for which the company has not assigned an internally determined public rating agency equivalent.
- The net credit exposure primarily relates to derivatives.

Financial Instruments Measured at Amortised Cost.

The company's financial assets measured at amortised cost are set out in Note 28 to the financial statements. These amounts represent the company's gross credit exposure to financial assets measured at amortised cost. See "Risk Mitigants" above for information about collateral and other credit enhancements that mitigate credit risk on these financial assets.

The company's financial assets measured at amortised cost were classified within stage 1 of the company's impairment model, namely, they were not credit-impaired on initial recognition and there has been no significant increase in credit risk since initial recognition as of December 2024 and December 2023. The expected credit losses (ECL) on these financial assets were not material as of December 2024 and December 2023 as the majority of the company's financial assets measured at amortised cost are short-term in nature or collateralised. There have been no significant changes in estimation techniques or significant assumptions made during the reporting period.

The table below presents the company's gross and net credit exposure to financial assets measured at amortised cost by internally determined public rating agency equivalents and other credit metrics.

\$ in millions	As of December	
	2024	2023
Gross credit exposure		
AAA	\$ 4,607	\$ 2,588
AA	25,969	43,838
A	143,145	149,170
BBB	15,350	14,999
BB or lower	20,740	22,129
Unrated	1,502	1,795
Total	\$ 211,313	\$ 234,519
Net credit exposure		
AAA	\$ 2,181	\$ 1,709
AA	9,701	35,634
A	24,800	18,233
BBB	4,704	4,106
BB or lower	2,481	2,624
Unrated	1,365	1,659
Total	\$ 45,232	\$ 63,965

In the table above:

- Unrated credit exposures relate to financial assets for which the company has not assigned an internally determined public rating agency equivalent.
- The net credit exposure primarily relates to cash and cash equivalents and customer and other receivables.

Strategic Report

Commitments. In addition to credit risk on financial assets, the company also has credit exposure in respect of forward starting collateralised agreements and other commitments.

The table below presents the company's gross credit exposure and net credit exposure related to forward starting collateralised agreements and other commitments by internally determined public rating agency equivalents and other credit metrics. The net credit exposure takes into consideration collateral that the company expects to receive on execution of forward starting collateralised agreements.

As of December			
\$ in millions	2024	2023	
Forward starting collateralised agreements and other commitments measured at fair value			
Gross credit exposure			
AAA	\$ 96	\$ 154	
AA	21,253	32,725	
A	43,533	104,596	
BBB	1,980	1,756	
BB or lower	3,725	4,879	
Unrated	286	49	
Total	\$ 70,873	\$ 144,159	
Net credit exposure			
AAA	\$ 96	\$ 154	
AA	435	433	
A	2,275	1,645	
BBB	700	420	
BB or lower	1,383	1,939	
Unrated	74	3	
Total	\$ 4,963	\$ 4,594	
Forward starting collateralised agreements and other commitments measured at amortised cost			
Gross credit exposure			
AAA	\$ —	\$ —	
AA	—	1	
A	54,248	2,678	
BBB	7	42	
BB or lower	—	85	
Unrated	1	3	
Total	\$ 54,256	\$ 2,809	
Net credit exposure			
AAA	\$ —	\$ —	
AA	—	1	
A	190	14	
BBB	7	—	
BB or lower	—	1	
Unrated	1	—	
Total	\$ 198	\$ 16	

In the table above:

- Unrated credit exposures relate to forward starting collateralised agreements and other commitments for which the company has not assigned an internally determined public rating agency equivalent.
- The net credit exposure for forward starting collateralised agreements and other commitments measured at fair value primarily relates to collateral commitments and forward starting collateralised agreements.

Forward starting collateralised agreements and other commitments measured at amortised cost were all classified within stage 1 of the company's impairment model.

Credit Concentrations (Audited)

The company's concentrations to credit risk arise from its market making, client facilitation, investing, underwriting, lending and collateralised transactions, and cash management activities, and may be impacted by changes in economic, industry or political factors. These activities expose the company to many different industries and counterparties, and may also subject the company to a concentration of credit risk to a particular central bank, counterparty, borrower or issuer, including sovereign issuers, or to a particular clearing house or exchange. The company seeks to mitigate credit risk by actively monitoring aggregate exposures against limits on individual entities and their consolidating groups, as well as countries and industries, and obtaining collateral from counterparties as deemed appropriate.

The company measures and monitors its credit exposure based on amounts owed to the company after taking into account risk mitigants that management considers when determining credit risk. Such risk mitigants include netting and collateral arrangements and economic hedges, such as credit derivatives, futures and forward contracts. Netting and collateral agreements permit the company to offset receivables and payables with such counterparties and/or enable the company to obtain collateral on an upfront or contingent basis.

Collateral obtained by the company related to derivative assets is principally cash and is held by the company or a third-party custodian. Collateral obtained by the company related to collateralised agreement transactions is primarily government and agency obligations and equities.

The table below presents the company's net credit exposure to financial assets by industry and region.

As of December			
\$ in millions	2024	2023	
Credit exposure by industry			
Funds			
Funds	\$ 8,537	\$ 6,806	
Financial Institutions	48,317	37,964	
Sovereign	9,399	33,780	
Natural Resources & Utilities	1,120	1,358	
Diversified Industrials	1,281	1,053	
Other (including Special Purpose Vehicles)	3,833	4,225	
Total	\$ 72,487	\$ 85,186	
Credit exposure by region			
EMEA			
EMEA	\$ 32,011	\$ 56,412	
Americas	32,031	20,734	
Asia	8,445	8,040	
Total	\$ 72,487	\$ 85,186	

Operational Risk Management

Overview (Audited)

Operational risk is the risk of an adverse outcome resulting from inadequate or failed internal processes, people, systems or from external events. The company's exposure to operational risk arises from routine processing errors, as well as extraordinary incidents, such as major systems failures or legal and regulatory matters, that could occur for the company or third-party vendors.

Potential types of loss events related to internal and external operational risk include:

- Execution, delivery and process management;
- Business disruption and system failures;
- Employment practices and workplace safety;
- Clients, products and business practices;
- Third-party risk, including vendor risk;
- Damage to physical assets;
- Internal fraud; and
- External fraud.

Operational Risk, which is part of the second line of defence and reports to GS Group's chief risk officer, has primary responsibility for developing and implementing a formalised framework for assessing, monitoring and managing operational risk to support oversight and challenge across GS Group's global businesses, with the goal of maintaining GS Group's exposure to operational risk at levels that are within its risk appetite. The company's framework for managing operational risk is consistent with, and part of, the GS Group framework.

Operational Risk Management Process (Audited)

The company's process for managing operational risk includes the critical components of the company's risk management framework described in the "Overview and Structure of Risk Management", including a comprehensive data collection process, as well as company-wide policies and procedures, for operational risk events.

Top-down and bottom-up approaches are combined to manage and measure operational risk. From a top-down perspective, senior management assesses company-wide and business-level operational risk profiles. From a bottom-up perspective, the first and second lines of defence are responsible for risk identification and risk management on a day-to-day basis, including escalating operational risks and risk events to senior management.

The company seeks to maintain a comprehensive control framework designed to provide a well-controlled environment to minimise operational risks. The EMEA Compliance and Operational Risk Committee is responsible for overseeing compliance and operational risk for the company's business.

The operational risk management framework is designed to comply with the operational risk measurement rules under Basel III and has evolved based on the changing needs of the company's businesses and regulatory guidance.

Policies have been established that require all employees and consultants to report and escalate operational risk events. When operational risk events are identified, policies require that the events be documented and analysed to determine whether changes are required in the systems and/or processes to further mitigate the risk of future events.

Operational risk management applications are used to capture, analyse, aggregate and report operational risk event data and key metrics. One of the company's key risk identification and control assessment tools is an operational risk and control self-assessment process, which is performed by the company's managers. This process consists of the identification and rating of operational risks, on a forward-looking basis, and the related controls. The results from this process are analysed to evaluate operational risk exposures and identify businesses, activities or products with heightened levels of operational risk.

Risk Measurement

The company's operational risk exposure is measured using both statistical modelling and scenario analyses, which involve qualitative and quantitative assessments of internal and external operational risk event data and internal control factors for each of the company's businesses.

The results from these scenario analyses are used to monitor changes in operational risk and to determine business lines that may have heightened exposure to operational risk. The company also performs company-wide stress tests. See "Overview and Structure of Risk Management" for information about company-wide stress tests.

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Types of Operational Risks

Increased reliance on technology and third-party relationships has resulted in increased operational risks, such as information and cybersecurity risk, third-party risk and business resilience risk. The company manages those risks as follows:

Information and Cybersecurity Risk. Information and cybersecurity risk is the risk of compromising the confidentiality, integrity or availability of the company's data and systems, leading to an adverse impact to the company, its reputation, its clients and/or the broader financial system. The company seeks to minimise the occurrence and impact of unauthorised access, disruption or use of information and/or information systems. The company deploys and operates preventive and detective controls and processes to mitigate emerging and evolving information security and cybersecurity threats, including monitoring the company's network for known vulnerabilities and signs of unauthorised attempts to access its data and systems. There is increased information risk through diversification of the company's data across external service providers, including use of a variety of cloud-provided or -hosted services and applications. In addition, new AI technologies may increase the frequency and severity of cybersecurity attacks.

Third-Party Risk. Third-party risk, including vendor risk, is the risk of an adverse impact due to reliance on third parties performing services or activities on the company's behalf. These risks may include legal, regulatory, information security, cybersecurity, reputational, operational or other risks inherent in engaging a third party. The company identifies, manages and reports key third-party risks and conducts due diligence across multiple risk domains, including information security and cybersecurity, resilience and additional supply chain dependencies. The company evaluates whether vendors design, implement, and maintain information security controls consistent with its security policies and standards. Vendors that access and process the company's information on their infrastructure external to GS Group's network, are required to undergo an initial risk assessment, resulting in the assignment of a vendor inherent risk rating that is determined based on a number of factors, including the type of data stored and processed by a particular vendor. Subsequently, the company conducts re-certifications at a depth and frequency that is commensurate with each vendor's inherent risk rating as a component of its risk-based approach to vendor oversight. Vendors are required to agree to standard contractual provisions before receiving sensitive information from the company. These provisions have specific information security control requirements, which apply to vendors that store, access, transmit or otherwise process sensitive information on the company's behalf. The Third-Party Risk Program monitors, reviews and reassesses third-party risks on an ongoing basis.

Business Resilience Risk. Business resilience risk is the risk of disruption to the company's critical processes. The company monitors threats and assesses risks and seeks to ensure its state of readiness in the event of a significant operational disruption to the normal operations of its critical functions or their dependencies, such as critical facilities, systems, third parties, data and/or personnel. The company's resilience framework defines the fundamental principles for business continuity planning and crisis management to ensure that critical functions can continue to operate in the event of a disruption. The company seeks to maintain a business continuity programme that is comprehensive, consistent on a firmwide basis, and up-to-date, incorporating new information, including resilience capabilities. The company's resilience assurance programme encompasses testing of response and recovery strategies on a regular basis with the objective of minimising and preventing significant operational disruptions.

Model Risk Management

Overview (Audited)

Model risk is the potential for adverse consequences from decisions made based on model outputs that may be incorrect or used inappropriately. The company relies on quantitative models across its business activities primarily to value certain financial assets and liabilities, to monitor and manage its risk, and to measure and monitor the company's regulatory capital.

Model Risk, which is part of the second line of defence, is independent of the model developers, model owners and model users, and reports to GS Group's chief risk officer, has primary responsibility for assessing, monitoring and managing GS Group's model risk by providing oversight and challenge across GS Group's global businesses, and provides periodic updates to senior management, risk committees and the Risk Committee of Group Inc.'s board of directors. The company's framework for managing model risk is consistent with, and part of, GS Group's framework.

GS Group's model risk management framework is managed through a governance structure and risk management controls, which encompass standards designed to ensure it maintains a comprehensive model inventory, including risk assessment and classification, sound model development practices, independent review and model-specific usage controls. GS Group's Firmwide Model Risk Control Committee oversees the model risk management framework.

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Model Review and Validation Process

Model Risk consists of quantitative professionals who perform an independent review, validation and approval of the models. This review includes an analysis of the model documentation, independent testing, an assessment of the appropriateness of the methodology used, and verification of compliance with model development and implementation standards.

The company regularly refines and enhances its models to reflect changes in market or economic conditions and its business mix. All models are reviewed on an annual basis, and new models or significant changes to existing models and their assumptions are approved prior to implementation.

The model validation process incorporates a review of models and trade and risk parameters across a broad range of scenarios (including extreme conditions) in order to critically evaluate and verify the model's conceptual soundness, suitability of calculation techniques, accuracy in reflecting the characteristics of the related product and its significant risks, and sensitivity to input parameters and assumptions, as well as the scope of testing performed by the model developers.

See "Liquidity Risk Management", "Market Risk Management", "Credit Risk Management", and "Operational Risk Management" for further information about the company's use of models within these areas.

Other Risk Management

In addition to the areas of risks disclosed above, the company also manages other risks, including capital, compliance, conflicts and reputational. These areas of risks are disclosed below.

Capital Risk Management

Capital risk is the risk that the company's capital is insufficient to support its business activities under normal and stressed market conditions, or it faces capital reductions or RWA increases, including from new or revised rules or changes in interpretations of existing rules, and is therefore unable to meet its internal capital targets or external regulatory capital requirements. Capital adequacy is of critical importance to the company. Accordingly, the company has in place a comprehensive capital management policy that provides a framework, defines objectives and establishes guidelines to maintain an appropriate level and composition of capital in both business-as-usual and stressed conditions. The company's capital management framework is designed to provide it with the information needed to identify and comprehensively manage risk, and develop and apply projected stress scenarios that capture idiosyncratic vulnerabilities with a goal of holding sufficient capital to remain adequately capitalised even after experiencing a severe stress event. See "Capital Management and Regulatory Capital" for further information about the company's capital management process.

The company has established a comprehensive governance structure to manage and oversee its day-to-day capital management activities and to ensure compliance with capital rules and related policies. The company's capital management activities are overseen by the Board and its committees. The Board is responsible for approving the company's ICAAP and the GSI Board Risk Committee approves its capital management policy, which details the risk committees who are responsible for the ongoing monitoring of the company's capital adequacy, evaluation of current and future regulatory capital requirements and review of the results of its capital planning and stress tests processes. In addition, risk committees and senior management are responsible for the review of its capital plan, key capital adequacy metrics, including regulatory capital ratios, and capital plan metrics, such as capital distributions, as well as monitoring capital targets and potential breaches of capital requirements. The company's framework for capital risk management is consistent with, and part of, the GS Group framework.

Compliance Risk Management

Compliance risk is the risk of legal or regulatory sanctions, material financial loss or damage to the company's reputation arising from its failure to comply with the requirements of applicable laws, rules and regulations, and its internal policies and procedures. GS Group's Compliance Risk Management Program, administered by Compliance, assesses its compliance, regulatory and reputational risk; monitors for compliance with new or amended laws, rules and regulations; designs and implements controls, policies, procedures and training; conducts independent testing; investigates, surveils and monitors for compliance risks and breaches; and leads GS Group's responses to regulatory examinations, audits and inquiries. GS Group monitors and reviews business practices to assess whether they meet or exceed minimum regulatory and legal standards in all markets and jurisdictions in which it conducts business. The company's framework for managing compliance risk is consistent with, and part of, the GS Group framework.

Conflicts Management

GS Group's senior management oversees policies related to conflicts resolution, and, in conjunction with Conflicts Resolution, Legal and Compliance, and internal committees, formulates policies, standards and principles, and assists in making judgements regarding the appropriate resolution of particular conflicts. The responsibility for identifying potential conflicts, as well as complying with GS Group's policies and procedures, is shared by all GS Group employees.

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As a general matter, Conflicts Resolution reviews financing and advisory engagements in Investment Banking and certain of GS Group's investing, lending and other activities. In addition, GS Group has various transaction oversight committees that also review new underwritings, loans, investments and structured products. These groups and committees work with internal and external counsel and Compliance to evaluate and address any actual or potential conflicts. The head of Conflicts Resolution reports to the chief legal officer of GS Group who reports to the chief executive officer of GS Group. GS Group regularly assesses its policies and procedures that address conflicts of interest in an effort to conduct its business in accordance with the highest ethical standards and in compliance with all applicable laws, rules and regulations. The company's framework for conflicts resolution is consistent with, and part of, the GS Group framework.

Reputational Risk Management

Reputational risk is the potential risk that negative publicity regarding the company's business practices, whether true or not, will cause a decline in the company's customer base, costly litigation or revenue reductions. The company's reputation is critical to effectively serving the company's clients and fostering and maintaining long-term client relationships, and it is integral to how the company is viewed by its key stakeholders.

In evaluating business opportunities, reputational risk is one of the most significant components the company considers. The company evaluates ethics, suitability and transparency of transactions undertaken by the company. The company's employees are responsible for considering the reputational impacts that the business activities may have.

GS Group has implemented a comprehensive programme designed to monitor reputational risk. The Firmwide Reputational Risk Committee, which reports into the Firmwide Enterprise Risk Committee, is responsible for assessing reputational risks arising from business opportunities that have been identified as having potential heightened reputational risk. This committee is also responsible for overseeing client-related business standards and addressing client-related reputational risk and considers, among other things, the potential effects any business opportunities, products, transactions, new activities, acquisitions, dispositions or investments could have on GS Group's reputation. The company's framework for managing reputational risk is consistent with, and part of, the GS Group framework.

E.U. Regulation

The company lists debt instruments on certain E.U. trading venues and as a result the E.U. Transparency Directive and Delegated Regulation 2019/815 on European Single Electronic Format (ESEF Regulation) apply to the company.

Non-Financial and Sustainability Information Statement

Introduction

This non-financial and sustainability information statement provides information about the company's climate-related financial disclosures and information on environmental matters, the company's employees, social matters, respect for human rights and anti-corruption and anti-bribery matters, and has been prepared in accordance with the Companies Act 2006, Section 414CB.

The Board is responsible for the business of the company as a whole, including its strategy and risk framework. The company is a wholly owned subsidiary within GS Group and, since GS Group seeks to take a consistent approach in its identification and management of sustainability matters within its operations and business, the company applies GS Group's firmwide policies and procedures, and where applicable also contributes to GS Group's strategy, metrics and targets. The Board oversees the company's application of GS Group policies and procedures, with a view to also ensuring that risks specific to the company and its operations are appropriately considered.

GS Group has a long-standing commitment to sustainability. Its two priorities in this area are helping clients across industries decarbonise their businesses to support their transition to a low-carbon economy (Climate Transition) and to advance solutions that expand access, increase affordability, and drive outcomes to support sustainable economic growth (Inclusive Growth). GS Group's strategy is to advance these two priorities through its work with its clients, and with strategic partners whose strengths and areas of focus complement its own, as well as through its supply chain.

While the company does not have its own sustainability targets, it contributes to those of GS Group, which include:

- A \$750 billion sustainable finance target to support the increasing demand for sustainable finance solutions across financing, investing, and advisory work with clients.
- An initial set of 2030 targets for energy, power, and automotive manufacturing portfolios.

More information on GS Group's strategy and approach to sustainability, including its 2023 Sustainability Report can be found at www.goldmansachs.com/investor-relations/corporate-governance/sustainability-reporting.

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Business Activities

The company generates revenues from the following business activities: Investment Banking; FICC; Equities; and Investment Management, which primarily consists of Wealth management. See “Results of Operations – Net revenues” for further information.

Having regard to the nature of the company’s business and the manner in which it is carried on, the disclosures required by Section 414CB(2A)(e) - (h) of the Companies Act 2006, are not at this point necessary for an understanding of the company’s business.

Climate-Related and Environment Risk Management

GS Group categorises climate-related and environmental risks into physical risk and transition risk. Physical risk is the risk that asset values may decline as a result of changes in the climate, while transition risk is that risk the asset values may decline because of changes in climate policies, or changes in the underlying economy, as it decarbonises. Risks related to the physical impacts of climate change include acute risks (event-driven risks, including damage to assets from extreme weather events or disruption to operations/supply chains) and chronic risks (longer-term shifts impacting resource availability, including sea level risk and chronic heat waves).

GS Group categorises climate risks into short-term (0-5 years), medium-term (5-10 years), and long-term risks (10+ years). These time horizons are relevant for the evaluation of climate-related risks and opportunities and were selected to reflect a combination of tenures over which transition and physical risks are generally relevant for scenario analysis, risk management, investment processes, and on the positioning of relevant portfolios. GS Group’s scenario analysis capabilities analyse the impact of climate risks across a range of time horizons. Its methodology provides flexibility to assess short-, medium-, and long-term tenures as well as different shock applications along the climate scenario pathway. GS Group leverages open-source data and models used by the scientific and climate policy communities for both physical and transition risk scenario analysis.

GS Group integrates climate-related risks and considerations into its governance structures. Given the interdisciplinary nature of the oversight of sustainability risks, including climate-related risks, the Group Inc.’s board of directors carries out its oversight of these matters directly, at the full board level, as well as through its committees, in particular its Risk and Public Responsibilities committees. The Board is responsible for the implementation of GS Group’s climate strategy and framework, and, for implementation by the company, is supported by the GSI Board Risk Committee (as appropriate). As part of its oversight responsibility, the GSI Board Risk Committee and the GSI Risk Committee receive regular reporting on risk appetite metrics for physical and transition risk and updates on its risk management approach to climate risk, including its approach towards scenario analysis and integration into existing risk management processes. The GSI Board Risk Committee reports to the Board as appropriate on climate risk.

More information on GS Group’s strategy and approach to climate-related risks and opportunities, as well as how it is integrating climate across its business and risk practices can be found in its Task Force on Climate-related Financial Disclosures Report 2023 (GS Group 2023 TCFD Report) at www.goldmansachs.com/investor-relations/corporate-governance/sustainability-reporting.

Physical Risk

The company assesses physical risk for its own operations and direct commercial real estate exposures. Under this approach, the company is actively monitoring the estimated loss impact from physical risk but deems the impact to be low as it currently has no direct commercial real estate loans that generate such risk.

For physical risk, the company employs a combination of open-source data, General Circulation Models (GCM) and internal hazard methodologies to project how climate variables such as temperature may evolve over time at different geographical locations. The company has developed a climate scoring approach for a number of significant physical climate risks indices, such as, extreme temperature, water stress and wildfire. For each of these indices, and based on the scenario used, the company categorises the physical risk severity of the relevant assets in its portfolio. The company continues to monitor the severity of impacts on its resiliency. Where relevant, the company uses a model that analyses concentrations of real estate loan exposure in cities with extremely high physical risk as projected under the climate change scenarios. Additionally, the company recognises that through its own operational footprint in the U.K., foreign branch offices, and GS Group affiliate service entities across the world, the company may have exposure to physical risk.

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Transition Risk

The company assesses transition risk for all affected assets on the company's balance sheet. Under this approach, the company is actively monitoring the estimated loss impact from transition risk but currently deems the impact to be low in comparison to other downside stress scenarios the company assesses.

For transition risk, the company leverages Integrated Assessment Models (IAM), which combine a physical climate model with an underlying economic model. The company has developed a climate scenario analysis framework that is able to leverage a number of climate risk scenarios. For example, the company models both Representative Concentration Pathway (RCP) scenarios that project how emissions will evolve over time as well as Network for Greening the Financial System (NGFS) scenarios. When implementing scenario analysis, it is assumed a credible policy change is announced and the market consequently adjusts credit ratings and prices of affected companies and trades. In each scenario for the company's relevant portfolios, the change in credit ratings that would result from each policy change as well as the changes in equity and credit prices that are consistent with those credit rating changes is estimated. All affected assets on the company's balance sheet are then repriced to measure the total change in value that would result under each scenario. Given the company's current business mix and structure, and based on the company's initial climate scenario analysis, the company has estimated the magnitude of potential losses for various scenarios. These estimates assume an immediate and credible change in climate policies that are factored into current market prices. The company continues to refine these estimates and methodologies, such as measuring impacts along the path.

Other Relevant Climate Risks

The company acknowledges that climate risks may overlap with pre-existing risk categories, and also give rise to reputational and legal risks. See "Principal Risks and Uncertainties" for further information on reputational and legal risks.

Risk Identification and Appetite

Risk identification serves as the foundation for the company's risk processes, informing risk strategy, mitigants, and controls. The company's risk identification process is supported by quantification methods, data, infrastructure, and analytics, culminating in the company's comprehensive Risk Factor Inventory encompassing financial and non-financial risks, including climate-related risks. This inventory contributes to the company's quantitative modelling, including climate scenario analysis, capturing both granular and broader, challenging-to-quantify risks. Quarterly Risk Identification workshops with first and second-line teams assess material risks in collaboration with teams like Credit and Market Risk to understand their impact on the overall risk profile.

This identification of climate-related risks precedes a materiality assessment of risk factors that may manifest across the company's businesses. GS Group has also updated the Firmwide Risk Taxonomy to capture climate-related risks more comprehensively. The risk taxonomy is the classification structure by which GS Group organises potential risks and risk events, providing common terms for risk identification, assessment, monitoring, and reporting processes. Within this taxonomy, climate-related risks are categorised within the broader Strategic and Business Environment Risk category as distinct, stand-alone risks. Additionally, GS Group considers climate-related risks to be potential drivers across risk categories.

In describing physical and transition risks as risk drivers, it is emphasised how they may impact other risk categories (Credit and Market Risk, Liquidity and Funding Risk, and Operational Risk) over a range of time horizons. In the assessment of the company's climate risk drivers and their transmission channels, it recognises the importance of understanding their integration into existing processes, practices, and procedures across the aforementioned risk categories.

Climate Risk Integration

In order to effectively manage climate-related risks, GS Group continues to integrate these risks into its management and decision-making processes. This includes embedding climate risk across its three lines of defence model, incorporating climate risk into the way it manages its operations, and integrating climate risk into portfolio management and investment decision making. In general, the company is integrated into and thereby benefits from the broader firmwide risk management and control framework supporting climate change risk management commensurate with the company's activities. As of December 2024, climate-related and environmental risks were identified as relevant but based on the quantification analysis and risk category assessments (credit, market, liquidity, operational), they have been assessed as non-material risks to the company.

First Line of Defence. A significant focus of the company's climate risk management programme is appropriate integration into the company's first-line businesses. GS Group, including the company, incorporates climate-related and environmental risk assessments in select transaction underwriting decisions and continues to further strengthen business adoption of climate-related and environmental risk management. The company's upfront business selection and due diligence processes include sector and geographic guidelines and are overseen through designated committee review processes. Enhanced considerations for assessing climate-related and environmental risk during underwriting are in place, including a dedicated section to document physical and transition risk exposure and potential mitigation within select capital and investment committee reporting. Targeted trainings have been conducted with global teams most frequently impacted by these changes.

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Second Line of Defence. Climate risk is identified as a risk driver that could materialise across various risk categories. As such, GS Group assesses and manages climate risk in each risk category as follows:

- **Credit and Market Risk.** To monitor the climate risk impact to credit risk, a transition risk assessment is performed for companies in high risk sectors (determined by the relative emissions intensity of the relevant company's sector) and to which the company has material credit exposures. This assessment includes an evaluation of companies' disclosures related to the low carbon transition and evaluation of ongoing and future initiatives to mitigate their transition risk. The outcome of this analysis is a transition risk mitigation score which factors into the counterparty's overall credit rating. For select transactions across the company's businesses, physical risk impact of climate risk on the company's portfolios and value of its positions are also assessed. Second line of defence quantification teams are exploring how market risk factors can be further incorporated into existing transition risk climate scenario analysis capabilities. At present, climate scenario analysis focuses on credit and equity spread shocks, and GS Group continues to assess how market risk sensitivity interacts with transition risks in the company's scenario-specific projections.
- **Liquidity and Funding Risk.** Liquidity Risk uses climate scenario analysis to quantitatively assess the impact on the company's liquidity from transition risks (e.g., policies and market dynamics that influence the demand for certain goods and services). This climate scenario analysis assessment specifically measures the liquidity impacts in a scenario where government policy changes result in more expensive access to capital markets for high emission intensity companies.
- **Operational Risk.** GS Group's Operational Resilience Framework is designed to ensure GS Group's ability to prevent, respond to, recover from, and adapt to operational disruptions, such as those caused by physical risk impacts. GS Group maintains a resilience testing programme and has developed a 'severe but plausible' business disruption scenario library utilised in integrated resilience testing of the company's important business services. The scenario library incorporates climate-related scenarios such as severe weather impacts, flooding, and extreme heat.

Third Line of Defence. As GS Group's third line of defence, Internal Audit independently assesses GS Group's internal control structure applicable to climate risk management, raises awareness of control risk, and reviews the implementation of management's control measures in line with regulatory requirements and expectations. Internal Audit maintains a working group tasked with monitoring emerging developments and coordinating Internal Audit coverage of climate risk management. The climate risk management audit plan is developed using a risk-based methodology in order to focus on the most significant risks as informed through risk assessment.

Environmental Matters

GS Group's Environmental & Social Due Diligence Guidelines have been implemented to guide an overall risk-based due diligence approach when evaluating relevant transactions for environmental and social risks and impacts. The guidelines equally apply to and have been adopted by the company.

Corporate Planning and Management is responsible for the sustainability strategy for GS Group's global workplace and supply chain. Managing these is integral to operating GS Group sustainably to minimise GS Group's impact on the environment and develop a responsible supply chain. This approach is applied consistently across all entities in GS Group, including the company.

The company's main sources of Greenhouse Gas (GHG) emissions are the operation of office facilities, dedicated data centres, business travel and supply chain sources. GS Group has been carbon neutral in its operations ('Scope 1 and 2') and Scope 3 business travel since 2015 through a combination of emissions reduction efforts and the procurement of Energy Attribute Certificates and third-party-verified carbon offsets. GS Group has since expanded its operational carbon commitment to include its supply chain, prioritising emissions reductions.

More information on GS Group's sustainability efforts, including its sustainable finance strategy, energy consumption and carbon emissions can be found in the annual Goldman Sachs Sustainability Report, available at www.goldmansachs.com/investor-relations/corporate-governance/sustainability-reporting.

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Streamlined Energy and Carbon Reporting (SECR).

The tables below present the company's U.K. energy consumption and associated GHG emissions, as well as normalisation metrics for the purposes of SECR. As multiple GS Group subsidiaries occupy the same office space, the U.K. energy consumption and associated Scope 1 and 2 GHG emissions across GS Group have been allocated to the company based on the company's U.K. headcount, less any employees seconded to other GS Group U.K. entities, as a proportion of GS Group's total U.K. headcount.

The table below presents the company's energy consumption.

MWh	Year Ended December	
	2024	2023
Scope 1: Direct	3,638	3,747
Scope 2: Indirect	36,488	38,660
Total energy consumption	40,126	42,407

The table below presents the company's GHG emissions.

tCO ₂ e	Year Ended December	
	2024	2023
Location-based method		
Scope 1: Direct	1,095	1,046
Scope 2: Indirect emissions	7,558	8,009
Scope 3: Other-indirect (commercial air)	15,767	13,841
Scope 3: Other-indirect (ground transportation)	2	3
Totals		
Scope 1, 2 (location)	8,653	9,055
Scope 1, 2 (location) and 3 business travel	24,422	22,899
Market-based method		
Scope 1: Direct	1,095	1,046
Scope 2: Indirect emissions	—	—
Scope 3: Other-indirect (commercial air)	15,767	13,841
Scope 3: Other-indirect (ground transportation)	2	3
Totals		
Scope 1 and 2 (market)	1,095	1,046
Scope 1, 2 (market) and 3 business travel	16,864	14,890

The table below presents the company's normalisation metrics.

tCO ₂ e/U.K. employee	Year Ended December	
	2024	2023
Scope 1, 2 (location)	2.6	2.8

GS Group's GHG emissions are calculated in line with the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard (revised edition). The boundaries of the GHG inventory are defined using the operational control approach and cover the emissions GS Group is responsible for across Scope 1, 2 and material Scope 3 business travel. Scope 1 and Scope 2 GHG emissions include emissions from the consumption of diesel, natural gas and electricity, as well as emissions arising from refrigerant gasses associated with building cooling systems. The emissions are calculated by multiplying actual consumption data by industry accepted emission factors that include all the six GHG covered by the Kyoto Protocol (as relevant). Where actual data is unavailable, data is estimated based on GHG accounting best practices.

GS Group gathers data from its operations on an ongoing basis, with primary evidence sourced from office managers and managed centrally via GS Group's GHG Emissions Reporting Operating Procedure. GS Group seeks to ensure the accuracy of its environmental metrics and data collection processes by maintaining a robust internal inventory management plan, continuously enhancing its carbon accounting methodology and obtaining third-party verification of its Scope 1, 2 and Scope 3 business travel emissions.

Energy Efficient Actions

GS Group aims to maximise energy efficiency in its corporate real estate by occupying energy efficient real estate, consolidating space, where possible, and leveraging efficient technology and equipment. As of December 2024, 73% of Goldman Sachs' U.K. rentable square footage holds BREEAM certification (79% as of December 2023).

During 2024, GS Group continued to seek to maximise the operational efficiency of its real estate through initiatives such as optimising heating, ventilation and air conditioning settings and enhanced lighting sensors to better align energy consumption with occupancy. For further information about GS Group's operational impact in sustainability, see www.goldmansachs.com/our-firm/sustainable-finance/our-operational-impact.

Other Environmental, Social and Governance (ESG) Reporting.

In 2021, the FCA introduced mandatory Task Force on Climate-related Financial Disclosures (TCFD)-aligned disclosure requirements for certain FCA regulated firms, which includes the company. In addition, during 2024, new FCA rules on sustainability requirements and investment labels became effective, which apply to the company as an FCA-authorised firm and distributor of investment products, respectively.

The company continues to assess the impact of other ESG-related regulatory frameworks that will, or are proposed to, in the future apply to the company. The company is also subject to the PRA's supervisory expectations for the management of climate-related financial risks, including with respect to governance, risk management, scenario analysis and disclosure.

The company is expected to be subject to sustainability-related laws being implemented within the E.U. These rules include directives, such as the Corporate Sustainability Reporting Directive (CSRD) and the Corporate Sustainability Due Diligence Directive (CSDDD), both of which, if implemented in current form, may significantly expand the scope of ESG disclosure requirements applicable to the company. There remains uncertainty around the timing, scope and impact to the company, as the relevant E.U. member state has not yet transposed some of these directives into national law, and the European Commission stated its intention to revisit these directives, among potentially others, with its pursuit of an Omnibus package, which could impact the company.

Strategic Report

Employee Matters

The company considers its employees as its greatest asset and the Board is responsible for overseeing the application of GS Group's people strategy across the company's employee population.

Senior management engaged with employees in various ways during the year including: 'Town Halls', where questions are solicited in advance and feedback gathered afterwards; Talks at GS with external and internal speakers; periodic employee feedback surveys; email and web communications and manager engagement. Employees are invited to watch quarterly earnings announcements and receive internal briefings so that they are made aware of the financial and economic factors affecting the performance of GS Group, including the company. A sophisticated firmwide intranet further enables employees to be engaged.

Internal company policies ensure that there should be effective communication with all employees who, subject to practical and commercial considerations, are consulted on and involved in decisions that affect their current role or career at the company. Employees share in performance-based incentive compensation schemes.

The company, consistent with the people strategy of GS Group remains focused on the importance of attracting and retaining exceptional and diverse talent and will continue to develop programs consistent with its fundamental commitment to inclusive merit-based recruitment, promotion and advancement in compliance with applicable laws.

For further information about Goldman Sachs' people, culture and commitment to diversity, see www.goldmansachs.com/our-firm/diversity.

Social Matters

The company as a wholly owned subsidiary of GS Group applies GS Group's firmwide policies and procedures, and where applicable also contributes to GS Group's strategy, metrics and targets in relation to social matters. GS Group's Environmental Policy Framework guides its overall approach to sustainability issues, including in relation to social matters. The company supports its communities in many ways, with global initiatives coordinated through GS Group's Office of Corporate Engagement. In the U.K., these include the 10,000 Small Businesses entrepreneurship programme which helps small business owners create jobs and economic opportunity by providing access to education and business support services, and the 10,000 Women programme which fosters economic growth by providing women entrepreneurs with a business and management education, mentoring and networking, and access to capital. Charitable initiatives include Goldman Sachs Gives, a donor advised fund through which Goldman Sachs' current and retired senior employees work together to recommend grants to qualifying non-profit organisations to help them achieve their goals, Community TeamWorks, which enables the company's employees to participate in high-impact, team-based volunteer opportunities, and supporting relief efforts.

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Human Rights

The company as a wholly owned subsidiary of GS Group applies GS Group's firmwide policies and procedures in relation to human rights. The company recognises and takes seriously its responsibility to help protect, preserve, and promote human rights around the world. The company's respect for human rights is fundamental to and informs its business, it guides the company in how it treats and trains its employees, and how it works with its clients and vendors. GS Group's Business Principles and its Code of Conduct and Business Ethics, which apply to the company as a subsidiary of GS Group, also play an important role in determining its responsibilities as corporate citizens. They help to inform its business selection process and to guide its business decisions and judgements.

GS Group has a vendor management programme that documents a risk-based framework for managing third-party vendor relationships consistent with regulatory guidance. The company does not tolerate modern slavery and human trafficking in any form, including forced labour or child labour, and will not knowingly work with vendors who engage in these practices. At a minimum, the company expects its vendors and their supply chains to fully comply with all applicable laws and regulations in the conduct of their businesses, including laws and regulations in relation to modern slavery and human trafficking. In addition, the company expects its vendors to meet appropriate standards related to labour practices, wages and workplace safety. The company reports its activities on this within GS Group's Statement on Modern Slavery and Human Trafficking, which is reviewed and approved by the Board.

GS Group's Statement on Modern Slavery and Human Trafficking, which includes the company, can be found at www.goldmansachs.com/investor-relations/corporate-governance/sustainability-reporting/state-on-modern-slavery-and-human-trafficking.

Anti-Corruption and Anti-Bribery Matters

The company as a wholly owned subsidiary of GS Group applies GS Group's firmwide policies and procedures in relation to anti-corruption and anti-bribery matters. The company is fully committed to complying with all applicable laws and regulations prohibiting bribery and corruption and seeking and retaining business based on merit and the excellence of its performance, not through bribery or corruption. The company does not tolerate bribery or corruption involving its employees, vendors, agents, or other business partners.

The core principles of GS Group's Anti-Bribery policy, which applies to the company as a subsidiary of GS Group, include no bribery, no accepting bribes, no bribes by or through third parties and no facilitation payments. GS Group provides its employees and the public various channels through which integrity concerns can be raised without reprisal via the Goldman Sachs Business Integrity Programme.

GS Group maintains robust written policies, procedures and internal controls reasonably designed to prevent, detect, and mitigate legal, regulatory, and reputational risks associated with bribery and corruption. GS Group's Anti-Bribery Programme includes governance and oversight by the Anti-Bribery Group, third-party due diligence, review of significant and complex transactions, pre-approval before anything of value is provided to restricted recipients, pre-and post-hire reviews and controls for candidates referred by a client, potential client or public official, pre-approval for charitable contributions presenting higher bribery or corruption risk and requirements and policies governing political contributions.

GS Group regularly reviews and assesses its Anti-Bribery Program, including through participation in anti-bribery and anti-corruption professional forums to keep informed of relevant developments, monitoring for evolving international and industry standards, and applying lessons learned from external and internal events.

Section 172(1) Statement

The directors have included the Section 172(1) statement in the directors' report, consistent with corporate governance disclosures.

Date of Authorisation of Issue

The strategic report was authorised for issue by the Board on March 20, 2025.



On behalf of the Board
L. A. Donnelly
Director
March 21, 2025

The directors present their report and the audited financial statements for the year ended December 2024.

Introduction

In accordance with Section 414A of the Companies Act 2006, the directors have prepared a strategic report, which is included in Part I of this annual report and which contains a review of the company's businesses and a description of the principal risks and uncertainties facing the company. The directors have chosen to disclose the company's risk management objectives and policies (including exposures to liquidity risk, market risk and credit risk), Streamlined Energy and Carbon Reporting, elements of corporate governance, and the future outlook of the company in the strategic report in accordance with Section 414C(11) of the Companies Act 2006.

Corporate Governance

The company has a robust corporate governance framework which is embedded in its approach to running its business. This framework is designated to align with legal and regulatory requirements and guidance issued by various bodies as relevant to the company and as appropriate for its business and shareholding structure. As a wholly-owned subsidiary within GS Group, the company also aligns its corporate governance with that of GS Group. While the company does not formally apply any single corporate governance code, its governance arrangements are broadly consistent with the Financial Reporting Council (FRC) Wates Corporate Governance Principles for Large Private Companies.

Role of the Board. The Board has overall responsibility for the management of the company. As part of this role, the Board approves and oversees implementation of the company's strategic objectives, risk strategy and internal governance. The Board monitors the integrity of the company's accounting and financial reporting systems including financial and operational controls and regulatory compliance and has oversight of senior management.

Purpose, Values and Culture. Whilst some of these areas of responsibility are delegated to Board committees, the Board as a whole is responsible for overseeing the company's strategic direction and culture.

The purpose of GS Group as a whole is to advance sustainable economic growth and financial opportunity. Its values which underpin this purpose are partnership, client service, integrity and excellence. As a subsidiary within GS Group, the company is aligned to this purpose and these values.

The company strives to maintain a work environment that fosters professionalism, excellence, high standards of business ethics, teamwork and cooperation among employees. The company recognises that it needs the most talented people to deliver outstanding results for clients, and that the diversity of its workforce, including a diversity of perspectives, enhances its performance-based culture and is critical to its commercial success.

The Board recognises the importance of maintaining and developing the culture of the company, and does so by setting the 'tone from the top' and overseeing how culture and values are fostered by the management of the company. The Board receives regular updates on culture, conduct and diversity and inclusion from management.

GS Group maintains a Code of Business Conduct and Ethics, supplemented by 14 Business Principles, and a compendium of internal policies to inform and guide employees in their roles.

Strategy. GS Group's focus is on delivering sustainable, long-term returns for its shareholders through a strategy that revolves around its clients. Its strategy comprises three core objectives:

- To grow and strengthen its existing businesses: to capture higher wallet share across a wider range of clients;
- To diversify its products and services: to build a more durable source of earnings; and
- To operate more efficiently: so that it can drive higher margins and returns across the organisation.

The company's strategy, aligned with that of GS Group, is implemented by the executive management of the company with Board oversight. The chief executive officer of the company updates the Board on the company's performance against its strategic objectives at Board meetings.

Composition of the Board. The directors collectively possess a broad range of skills, backgrounds, experience and knowledge appropriate for the effective oversight of the company's business. The roles of the chair of the Board and the chief executive officer are held by different individuals.

The Board considers that the size and structure of the Board is appropriate to oversee the businesses conducted by the company. As of December 2024, the Board is comprised of nine directors, six of whom are independent. The company has Audit, Risk, Nominations and Remuneration Board Committees.

The Board Nominations Committee is responsible for identifying and recommending qualified candidates for Board membership and utilises a Succession Planning Framework. This sets out the process and criteria, which includes the consideration of Board diversity, for the selection of new directors. The use of a skills matrix enables the experience and expertise of the Board both individually and as a whole to be assessed. New directors are provided with a comprehensive and bespoke induction programme. The chair of the Board oversees an ongoing training and development programme for the directors to enhance their knowledge and engagement.

The Board Nominations Committee oversees the effectiveness of the Board, its committees and their chairs and members, and evaluates this annually. It also reviews the size, structure and composition of the Board, including the balance of independent and non-independent directors.

The approach to directors' conflicts of interest and the anticipated time commitment required is discussed with each director on their joining the Board and reviewed annually as part of the fitness and propriety assessment process. All the directors meet the applicable regulatory requirements for the number of directorships they are permitted to hold.

Responsibilities and Accountability. The company's governance model fully incorporates the Senior Managers and Certification Regime.

The Board is supported by various Board committees, each with a charter setting out its duties and the responsibilities delegated to it. The committees are comprised of non-executives only to enable them to provide oversight and challenge to management. The chairs of these Board committees report to the Board on the proceedings and recommendations of the committees. Certain matters are reserved for decision by the Board alone.

Further details of the GSI Board Risk Committee and GSI Board Audit Committee are set out in the "Overview and Structure of Risk Management — Structure" section of the strategic report.

Opportunity and Risk. Effective risk management is critical to the company's success. Accordingly, the company utilises GS Group's enterprise risk management framework that employs a comprehensive, integrated approach to risk management and is designed to enable comprehensive risk management processes through which the risks associated with the company's businesses are identified, assessed, monitored and managed. The company's risk management structure is built around three core components: governance; processes; and people.

Risk management governance starts with the Board, which both directly and through its committees, including the GSI Board Risk Committee and the GSI Risk Committee, oversee the company's risk management policies and practices implemented through the enterprise risk management framework. The Board is responsible for the annual review and approval of the company's risk appetite statement, which describes the levels and types of risk it is willing to accept, in order to achieve the objectives included in its strategic business plan, while remaining in compliance with regulatory requirements. The company's strategy set out above is aligned with that of GS Group and the Board is ultimately responsible for overseeing and providing direction about the company's strategic business plan and risk appetite.

The chief risk officer reports to the GSI Board Risk Committee and GS Group's chief risk officer. As part of the review of the firmwide risk portfolio, the chief risk officer regularly advises the GSI Board Risk Committee of relevant risk metrics and material exposures, including risk limits and thresholds established in the company's risk appetite statement.

Further details of the GSI Board Risk Committee are set out in the "Overview and Structure of Risk Management — Structure" section of the strategic report.

Remuneration Framework. Attracting and retaining talent is fundamental to GS Group's long-term success as a firm. Compensation, when structured appropriately, is an important way of attracting, retaining and incentivising talent and in reinforcing GS Group's culture. GS Group's remuneration philosophy is reflected in the Goldman Sachs Compensation Principles as posted on the Goldman Sachs public website. In particular, effective remuneration practices should: (i) Encourage a real sense of teamwork and communication, binding individual short-term interests to the institution's long-term interests; (ii) Evaluate performance on a multi-year basis; (iii) Discourage excessive or concentrated risk-taking; (iv) Allow an institution to attract and retain proven talent; (v) Align aggregate compensation for GS Group with performance over the cycle; and (vi) Promote a strong risk management and control environment.

The company develops remuneration policies and practices in accordance with applicable regulatory rules whilst ensuring that these are aligned so far as possible with the Goldman Sachs Compensation Principles.

The GSI Board Remuneration Committee oversees the development and implementation of these remuneration policies and practices.

Stakeholder Engagement. The company's stakeholders include its shareholder, employees, suppliers, clients, regulators and the environment and communities in which it operates.

Engagement with Shareholder

The company is a wholly-owned subsidiary of Group Inc. As such its purpose, culture, values and strategies are aligned with those of its ultimate shareholder. The Board receives regular updates on GS Group strategy. Chairs of Board committees meet regularly with their counterparts on Group Inc.'s board of directors. The company's chief executive officer is a member of GS Group's Management Committee and one non-executive director is a member of Group Inc.'s board of directors.

Engagement with Employees

The company considers its employees as its greatest asset and the Board is responsible for overseeing the company's engagement with them. This includes regular updates from management on various metrics, including on diversity and inclusion. See "Non-Financial and Sustainability Information Statement — Employee Matters" for further details.

Engagement with Other Stakeholders

Clients – the chief executive officer of the company regularly meets with clients and hosts and participates in client events. The Board as a whole regularly receives updates from management on client engagement.

Suppliers – GS Group has globally consistent standards and procedures for the on-boarding, use and payment of external suppliers (vendors). In partnering with GS Group to deliver on its objectives, suppliers are required to meet business, compliance and financial stability requirements and adhere to GS Group's vendor code of conduct, which describes its expectations that suppliers conduct business responsibly. See "Non-Financial and Sustainability Information Statement — Human Rights" for further details.

Regulators – the company has an active dialogue with its regulators. Senior management and directors meet with regulators on a frequent basis.

Environment – GS Group has a global approach to sustainability through its platform for sustainable finance. GS Group's approach to sustainable finance is focused on two long-term imperatives: advancing the climate transition by helping industries usher in, and thrive in, a low-carbon economy; and driving inclusive growth by leveraging its business capabilities to improve access and affordability and to advance economic empowerment. GS Group announced a target to deploy \$750 billion in sustainable financing, investing and advisory activity by the beginning of 2030. As of December 2024, GS Group achieved over 80% of that goal, in which the company has played a part.

Corporate Planning and Management is responsible for the sustainability strategy for GS Group's global workplace and supply chain. See "Non-Financial and Sustainability Information Statement — Environmental Matters" for further details.

Communities – the company supports its communities in many ways, with global initiatives coordinated through GS Group's Office of Corporate Engagement. See "Non-Financial and Sustainability Information Statement — Social Matters" for further details.

Internal Control over Financial Reporting. Management of the company is responsible for establishing and maintaining adequate internal control over financial reporting. The company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of the company's financial statements for external reporting purposes in accordance with U.K.-adopted international accounting standards and IFRS as it applies in the E.U.

The company's internal control over financial reporting includes policies and procedures that pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect transactions and dispositions of assets; provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with U.K.-adopted international accounting standards and IFRS as it applies in the E.U., and that receipts and expenditures are being made only in accordance with authorisations of management and the directors of the company; and provide reasonable assurance regarding prevention or timely detection of unauthorised acquisition, use or disposition of the company's assets that could have a material effect on the company's financial statements.

Section 172(1) Statement

Under Section 172 of the Companies Act 2006, the directors of the company are required to act in the way they consider, in good faith, would be most likely to promote the success of the company for the benefit of its stakeholders as a whole. In doing this, Section 172 requires a director to have regard, among other matters, to: the likely consequences of any decision in the long-term; the interests of the company's employees; the need to foster the company's business relationships with clients, suppliers and others; the impact of the company's operations on the community and the environment; the desirability of the company maintaining a reputation for high standards of business conduct; and the need to act fairly with stakeholders of the company.

The directors give careful consideration to the factors set out above in discharging their duties under Section 172 and they inform the directors' decision-making as a board. The company endorses GS Group's Code of Business Conduct and Ethics set out on the Goldman Sachs public website and seeks to conduct its business in accordance with the highest ethical standards and in compliance with all applicable laws, rules and regulations.

The directors are committed to effective engagement with all of the company's stakeholders. They recognise that building strong relationships with these stakeholders will help the company deliver its strategy in line with its long-term values, and operate the business in a sustainable way. The Board seeks to understand and balance the relative interests and priorities of each group and to have regard to these, as appropriate, in their discussions and in the decision-making process. As part of this, the Board receives regular updates from the chief executive officer of the company on his interactions with clients and how these are shaping the company's strategy. It also receives feedback from the company's shareholder. The agenda setting process for Board meetings is designed to ensure topics relevant to stakeholders are brought to the Board in a frequent and timely manner.

In addition, the Board may receive training and other information to further develop its understanding of key issues impacting the company's stakeholders. The Board is further supported by the GSI Board Audit Committee, the GSI Board Risk Committee and the GSI Board Remuneration Committee who consider in more detail the systems and controls in place in relation to engagement with stakeholders.

More details about the company's engagement with its stakeholders can be found in "Corporate Governance — Stakeholder Engagement" above.

Employment of Disabled Persons

Applications for employment by disabled persons are fully and fairly considered with regard to the aptitudes and abilities of each applicant. Efforts are made to enable any employees who become disabled during employment to continue their careers within GS Group. Training, career development and promotion of disabled persons are, to the extent possible, identical to that of other employees who are not disabled.

Dividends and Distributions

During 2024, the company paid cash dividends of \$2.19 billion to GSG UK.

During 2023, the company paid cash dividends of \$1.68 billion to GSG UK and made a non-cash distribution of \$1.42 billion to GSG UK for the consideration it received from the transfer of its U.K. asset management business.

Charitable Contributions

The company made donations to charity of \$32 million for both 2024 and 2023. This included donations of \$30 million for both 2024 and 2023 to Goldman Sachs Gives (UK), a registered charity, for general charitable purposes in England and Wales.

Exchange Rate

The British pound/U.S. dollar exchange rate was £/\$1.2510 as of December 2024 and £/\$1.2746 as of December 2023. The average rate for 2024 was £/\$1.2774 and for 2023 was £/\$1.2469.

Disclosure of Information to Auditors

In the case of each of the persons who are directors of the company at the date when this report was approved:

- So far as each of the directors is aware, there is no relevant audit information of which the company's auditors are unaware; and
- Each of the directors has taken all the steps that they ought to have taken as a director to make themselves aware of any relevant audit information and to establish that the company's auditors are aware of that information.

Independent Auditors

The company has passed a resolution to re-appoint PricewaterhouseCoopers LLP as auditors of the company for financial periods commencing on or after January 1, 2021.

Statement of Directors' Responsibilities in Respect of the Financial Statements

The directors are responsible for preparing the annual report and the financial statements in accordance with applicable law and regulation.

Company law requires the directors to prepare financial statements for each financial year. Under that law, the directors have prepared the financial statements in accordance with U.K.-adopted international accounting standards.

The company has also prepared financial statements in accordance with International Financial Reporting Standards (IFRS) adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the E.U.

Under company law, directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the company and of the profit or loss of the company for that period. In preparing the financial statements, the directors are required to:

- Select suitable accounting policies and then apply them consistently;
- State whether applicable U.K.-adopted international accounting standards and IFRS adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the E.U. have been followed, subject to any material departures disclosed and explained in the financial statements;
- Make judgements and estimates that are reasonable and prudent; and
- Prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The directors are responsible for safeguarding the assets of the company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The directors are also responsible for keeping adequate accounting records that are sufficient to show and explain the company's transactions and disclose with reasonable accuracy at any time the financial position of the company and enable them to ensure that the financial statements comply with the Companies Act 2006.

The directors are responsible for:

- The maintenance and integrity of the company's financial statements on the Goldman Sachs website; and
- Presenting the financial statements in compliance with the requirements set out in the Delegated Regulation 2019/815 on European Single Electronic Format (ESEF Regulation).

Legislation in the U.K. governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

Directors' Confirmations

Each of the directors, whose names and functions are listed in "Directors" below, confirm that to the best of their knowledge:

- The financial statements, which have been prepared in accordance with U.K.-adopted international accounting standards and IFRS adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the E.U., give a true and fair view of the assets, liabilities, financial position and profit or loss of the company; and
- The strategic report includes a fair review of the development and performance of the business and the position of the company, together with a description of the principal risks and uncertainties that the company faces.

Directors

The directors of the company who served throughout the year and to the date of this report, except where noted, were:

Name

Lord Paul Deighton KBE, Chair (appointed May 21, 2024)

M. M. Burns

C. G. Cripps

L. A. Donnelly

Sir Bradley Fried (resigned March 31, 2024)

R. J. Gnodde, Chief executive officer

S. P. Gyimah

N. Harman

T. L. Miller OBE

N. Pathmanabhan (resigned March 14, 2025)

The appointments of Anthony Gutman and Kunal Shah to the Board and as co-chief executive officers were approved by the Board on January 21, 2025, subject to regulatory approval.

No director had, at the year end, any interest requiring note herein.

Qualifying Third Party Indemnity Provisions

An indemnity provision, as defined by Section 234 of the Companies Act 2006, is provided to the directors of the company under the by-laws of The Goldman Sachs Group, Inc. This indemnity was in force throughout the year and to the date of this report.

Date of Authorisation of Issue

The directors' report and financial statements were authorised for issue by the Board on March 20, 2025.



On behalf of the Board

L. A. Donnelly

Director

March 21, 2025

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Report on the audit of the financial statements

Opinion

In our opinion, Goldman Sachs International's financial statements:

- give a true and fair view of the state of the company's affairs as at 31 December 2024 and of its profit and cash flows for the year then ended;
- have been properly prepared in accordance with UK-adopted international accounting standards; and
- have been prepared in accordance with the requirements of the Companies Act 2006.

We have audited the financial statements, included within the Annual Report, which comprise: the balance sheet as at 31 December 2024; the income statement, the statement of comprehensive income, the statement of changes in equity and the statement of cash flows for the year then ended; and the notes to the financial statements, comprising material accounting policy information and other explanatory information.

Our opinion is consistent with our reporting to the Goldman Sachs International Board Audit Committee.

Separate opinion in relation to international financial reporting standards adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the European Union

As explained in Note 2 'Basis of Preparation' to the financial statements, the company, in addition to applying UK-adopted international accounting standards, has also applied international financial reporting standards adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the European Union.

In our opinion, the company financial statements have been properly prepared in accordance with international financial reporting standards adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the European Union.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) ("ISAs (UK)"), International Standards on Auditing issued by the International Auditing and Assurance Standards Board ("ISAs") and applicable law. Our responsibilities under ISAs (UK) and ISAs are further described in the Auditors' responsibilities for the audit of the financial statements section of our report. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Independence

We remained independent of the company in accordance with the ethical requirements that are relevant to our audit of the financial statements in the UK, which includes the FRC's Ethical Standard, as applicable to listed public interest entities, and the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA Code), and we have fulfilled our other ethical responsibilities in accordance with these requirements.

To the best of our knowledge and belief, we declare that non-audit services prohibited by either the FRC's Ethical Standard or Article 5(1) of Regulation (EU) No 537/2014 were not provided.

Other than those disclosed in Note 6 'Net Operating Expenses' to the financial statements, we have provided no non-audit services to the company or its controlled undertakings in the period under audit.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Our audit approach

Overview

Audit scope

- We perform a full scope audit of the financial statements of the company as a whole as a single component. The scope of the audit and the nature, timing and extent of audit procedures were determined by our risk assessment, the financial significance of financial statement line items and qualitative factors (including history of misstatement through fraud or error). In particular, we looked at where the directors made subjective judgements, for example in respect of critical accounting estimates that involved making assumptions and considering future events that are inherently uncertain.

Key audit matters

- Valuation of financial assets and liabilities held at fair value.

Materiality

- Overall materiality: \$378 million (2023: \$413 million) based on approximately 1% of total Tier 1 capital resources.
- Performance materiality: \$283 million (2023: \$309 million).

The scope of our audit

As part of designing our audit, we determined materiality and assessed the risks of material misstatement in the financial statements.

Key audit matters

Key audit matters are those matters that, in the auditors' professional judgement, were of most significance in the audit of the financial statements of the current period and include the most significant assessed risks of material misstatement (whether or not due to fraud) identified by the auditors, including those which had the greatest effect on: the overall audit strategy; the allocation of resources in the audit; and directing the efforts of the engagement team. These matters, and any comments we make on the results of our procedures thereon, were addressed in the context of our audit of the financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

This is not a complete list of all risks identified by our audit.

The key audit matters below are consistent with last year.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Key audit matter	How our audit addressed the key audit matter
Valuation of financial assets and liabilities held at fair value	We understood and evaluated the design and implementation of key controls over the valuation of financial assets and liabilities. These controls included:
Refer to Note 29 'Fair Value Measurement' in the financial statements.	<ul style="list-style-type: none">• Validation of new and existing models by a specialist team within the risk function, as well as access and change management controls in respect of models in use;• The price verification process performed by the Product Control function using prices and model inputs sourced from third parties; and• Calculation and approval of valuation adjustments.
<p>In accordance with the accounting policies set out in Note 3 'Material Accounting Policies' to the financial statements, the majority of financial assets and liabilities are recorded in the balance sheet at fair value and changes in fair value are recorded in net revenues. Total financial assets and liabilities at fair value were \$898.11 billion and \$841.94 billion, respectively, as at 31 December 2024. The audit of the valuation of financial assets and liabilities required significant audit resources and is an area of estimation uncertainty and therefore represents a key audit matter.</p>	We tested the operating effectiveness of these controls and determined we could rely on these controls for the purposes of our audit. In addition, we performed the substantive testing described below.
<p>The fair values for substantially all of the company's financial assets and liabilities measured at fair value detailed in Note 29 'Fair Value Measurement' are based on observable prices and inputs and are classified in levels 1 and 2 of the fair value hierarchy. The valuations of derivative financial instruments are calculated by financial models using a variety of inputs.</p>	We tested the valuation of a sample of cash instruments to third party sources. We utilised internal valuation experts to revalue a sample of derivative and cash financial instruments, including level 3 instruments, using independent models and inputs to the extent available.
<p>The company also enters into complex and less liquid cash and derivative financial instruments where a limited or no active market exists. In these instances, there is less observable evidence to support the valuations and hence there is greater estimation uncertainty. When one or more valuation inputs are unobservable and significant, the financial instrument is classified as level 3 in the valuation hierarchy.</p>	In relation to a portfolio of credit derivatives in level 3, we utilised our internal valuation experts to:
	<ul style="list-style-type: none">• Assess the appropriateness of fair value by identifying potential alternative secured funding spreads using external sources and evaluating the difference in valuation;• Test a sample of management's valuation inputs to external sources; and• Reperform the valuation of all material positions, both individually and in the aggregate, using our own models and, to the extent available, independent inputs. Where we utilised management's inputs to revalue the instruments, we assessed the reasonableness of the inputs used.
	Additionally, we revalued an extended sample of structured notes sensitive to equity correlation and equity volatility inputs and complex commodity financing transactions using our own models and, to the extent available, independently sourced inputs. For samples where we utilised management's inputs to revalue the instruments, we assessed the reasonableness of the inputs used.
	We evaluated the methodology and underlying assumptions used to determine valuation adjustments. We tested a sample of valuation adjustments as at the period-end.
	We read and assessed the disclosures in Note 29 'Fair Value Measurement' regarding significant unobservable inputs and the fair value hierarchy.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

How we tailored the audit scope

We tailored the scope of our audit to ensure that we performed enough work to be able to give an opinion on the financial statements as a whole, taking into account the structure of the company, the accounting processes and controls, and the industry in which it operates.

The company provides financial services to clients worldwide. The company also operates a number of branches across Europe, the Middle East and Africa to provide financial services to clients in those regions. We consider the company and its branches to represent a single audit component. Traders based in overseas group locations enter into transactions on behalf of the company. In these circumstances, certain internal controls relevant to financial reporting operate in those locations. In addition, there are a number of centralised functions operated by the ultimate parent company, The Goldman Sachs Group, Inc. ("Group Inc."), in the U.S. or in group offices in other locations that are relevant to the audit of the company. We determined the scope of the work required in each of these locations and issued instructions to PwC network firms. We interacted regularly with the firms responsible for the work throughout the course of the audit. This included making visits to certain overseas PwC network firms, reviewing key working papers and discussing and challenging the results of work in higher risk areas of the audit. We concluded that the procedures performed on our behalf were sufficient for the purposes of issuing our opinion.

The impact of climate risk on our audit

As part of our audit we made enquiries of management to understand the extent of the potential impact of climate risk on the company's financial statements, and we remained alert when performing our audit procedures for any indicators of the impact of climate risk. Our procedures did not identify any material impact as a result of climate risk on the company's financial statements.

Materiality

The scope of our audit was influenced by our application of materiality. We set certain quantitative thresholds for materiality. These, together with qualitative considerations, helped us to determine the scope of our audit and the nature, timing and extent of our audit procedures on the individual financial statement line items and disclosures and in evaluating the effect of misstatements, both individually and in aggregate on the financial statements as a whole.

Based on our professional judgement, we determined materiality for the financial statements as a whole as follows:

Overall company materiality	\$378 million (2023: \$413 million).
How we determined it	Approximately 1% of total Tier 1 capital resources
Rationale for benchmark applied	The company is a wholly owned subsidiary of Group Inc. We consider the primary users of the financial statements to be Group Inc., regulators and market counterparties, who are focused on whether the company has sufficient capital resources to meet minimum regulatory requirements, fulfil its future market obligations and absorb any future losses should they arise. Overall materiality amounts to \$378 million, approximately 1% of total Tier 1 capital resources.

We use performance materiality to reduce to an appropriately low level the probability that the aggregate of uncorrected and undetected misstatements exceeds overall materiality. Specifically, we use performance materiality in determining the scope of our audit and the nature and extent of our testing of account balances, classes of transactions and disclosures, for example in determining sample sizes. Our performance materiality was 75% (2023: 75%) of overall materiality, amounting to \$283 million (2023: \$309 million) for the company financial statements.

In determining the performance materiality, we considered a number of factors - the history of misstatements, risk assessment and aggregation risk and the effectiveness of controls - and concluded that an amount at the upper end of our normal range was appropriate.

We agreed with the Goldman Sachs International Board Audit Committee that we would report to them misstatements identified during our audit above \$38 million (2023: \$41 million) as well as misstatements below that amount that, in our view, warranted reporting for qualitative reasons.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Conclusions relating to going concern

Our evaluation of the directors' assessment of the company's ability to continue to adopt the going concern basis of accounting included:

- Performing a risk assessment to identify factors that could impact the going concern basis of accounting;
- Evaluating the company's current financial position and financial forecasts, including the substantiation of the financial resources available to the company at the balance sheet date;
- Understanding and evaluating the company's current capital and liquidity position and reviewing the results of stress testing performed by management of both liquidity and regulatory capital, including considering the severity of the stress scenarios that were used;
- Considering the results of procedures performed by the group auditor to support the going concern assessment for Group Inc., together with its consolidated subsidiaries; and
- Evaluating the adequacy of the disclosures made in the financial statements in relation to going concern.

Based on the work we have performed, we have not identified any material uncertainties relating to events or conditions that, individually or collectively, may cast significant doubt on the company's ability to continue as a going concern for a period of at least twelve months from when the financial statements are authorised for issue.

In auditing the financial statements, we have concluded that the directors' use of the going concern basis of accounting in the preparation of the financial statements is appropriate.

However, because not all future events or conditions can be predicted, this conclusion is not a guarantee as to the company's ability to continue as a going concern.

Our responsibilities and the responsibilities of the directors with respect to going concern are described in the relevant sections of this report.

Reporting on other information

The other information comprises all of the information in the Annual Report other than the financial statements and our auditors' report thereon. The directors are responsible for the other information. Our opinion on the financial statements does not cover the other information and, accordingly, we do not express an audit opinion or, except to the extent otherwise explicitly stated in this report, any form of assurance thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If we identify an apparent material inconsistency or material misstatement, we are required to perform procedures to conclude whether there is a material misstatement of the financial statements or a material misstatement of the other information. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report based on these responsibilities.

With respect to the Strategic Report and Directors' Report, we also considered whether the disclosures required by the UK Companies Act 2006 have been included.

Based on our work undertaken in the course of the audit, the Companies Act 2006 requires us also to report certain opinions and matters as described below.

Strategic Report and Directors' Report

In our opinion, based on the work undertaken in the course of the audit, the information given in the Strategic Report and Directors' Report for the year ended 31 December 2024 is consistent with the financial statements and has been prepared in accordance with applicable legal requirements.

In light of the knowledge and understanding of the company and its environment obtained in the course of the audit, we did not identify any material misstatements in the Strategic Report and Directors' Report.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Responsibilities for the financial statements and the audit

Responsibilities of the directors for the financial statements

As explained more fully in the Statement of Directors' Responsibilities in respect of the Financial Statements, the directors are responsible for the preparation of the financial statements in accordance with the applicable framework and for being satisfied that they give a true and fair view. The directors are also responsible for such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the directors are responsible for assessing the company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the company or to cease operations, or have no realistic alternative but to do so.

The directors are responsible for presenting the financial statements in compliance with the requirements set out in the Delegated Regulation 2019/815 on European Single Electronic Format (ESEF Regulation).

Auditors' responsibilities for the audit of the financial statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs (UK) and ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

Irregularities, including fraud, are instances of non-compliance with laws and regulations. We design procedures in line with our responsibilities, outlined above, to detect material misstatements in respect of irregularities, including fraud. The extent to which our procedures are capable of detecting irregularities, including fraud, is detailed below.

Based on our understanding of the company and industry, we identified that the principal risks of non-compliance with laws and regulations related to rules of the Financial Conduct Authority ("FCA") and Prudential Regulation Authority ("PRA"), and we considered the extent to which non-compliance might have a material effect on the financial statements. We also considered those laws and regulations that have a direct impact on the financial statements such as the Companies Act 2006 and corporate tax legislation. We evaluated management's incentives and opportunities for fraudulent manipulation of the financial statements (including the risk of override of controls), and determined that the principal risks were related to posting of inappropriate journal entries and management bias in accounting estimates, including those related to the valuation of financial instruments held at fair value. Audit procedures performed by the engagement team included:

- Discussions with management, including Internal Audit, and those charged with governance in relation to known or suspected instances of non-compliance with laws and regulations and fraud;
- Evaluating and testing of the operating effectiveness of management's controls designed to prevent and detect fraud in financial reporting;
- Assessing matters reported on the company's whistleblowing helpline and the results of management's investigation of such matters;
- Reviewing key correspondence with regulatory authorities (the FCA and the PRA);
- Identifying and testing selected journal entries, in particular any journal entries posted by senior management, account owners, individuals in particular departments (including front office) and unusual account combinations with a credit to net revenues;
- Challenging assumptions and judgements made by management in their critical accounting estimates, in particular in relation to the valuation of financial assets and liabilities held at fair value; and
- Incorporating unpredictability into the nature, timing and/or extent of our testing.

There are inherent limitations in the audit procedures described above. We are less likely to become aware of instances of non-compliance with laws and regulations that are not closely related to events and transactions reflected in the financial statements. Also, the risk of not detecting a material misstatement due to fraud is higher than the risk of not detecting one resulting from error, as fraud may involve deliberate concealment by, for example, forgery or intentional misrepresentations, or through collusion.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Our audit testing might include testing complete populations of certain transactions and balances, possibly using data auditing techniques. However, it typically involves selecting a limited number of items for testing, rather than testing complete populations. We will often seek to target particular items for testing based on their size or risk characteristics. In other cases, we will use audit sampling to enable us to draw a conclusion about the population from which the sample is selected.

A further description of our responsibilities for the audit of the financial statements in accordance with ISAs (UK) is located on the FRC's website at: www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditors' report.

It is also our responsibility to assess whether the financial statements have been prepared, in all material respects, in compliance with the requirements laid down in the ESEF Regulation.

As part of an audit in accordance with ISAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the company to express an opinion on the financial statements. We are responsible for the direction, supervision and performance of the company audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, actions taken to eliminate threats or safeguards applied.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

Use of this report

This report, including the opinions, has been prepared for and only for the company's member as a body in accordance with Chapter 3 of Part 16 of the Companies Act 2006 and for no other purpose. We do not, in giving these opinions, accept or assume responsibility for any other purpose or to any other person to whom this report is shown or into whose hands it may come save where expressly agreed by our prior consent in writing.

Independent auditors' report to the member of Goldman Sachs International (unlimited company)

Other required reporting

Companies Act 2006 exception reporting

Under the Companies Act 2006 we are required to report to you if, in our opinion:

- we have not obtained all the information and explanations we require for our audit; or
- adequate accounting records have not been kept by the company, or returns adequate for our audit have not been received from branches not visited by us; or
- certain disclosures of directors' remuneration specified by law are not made; or
- the financial statements are not in agreement with the accounting records and returns.

We have no exceptions to report arising from this responsibility.

Report on other legal and regulatory requirements

We have checked the compliance of the financial statements of the company as at 31 December 2024 with the relevant statutory requirements set out in the ESEF Regulation that are applicable to financial statements. That is, for the company:

- The financial statements are prepared in a valid xHTML format.

In our opinion, the financial statements of the company as at 31 December 2024, identified as gsinternational-12-31-24-financial-statements.xhtml, have been prepared, in all material respects, in compliance with the requirements laid down in the ESEF Regulation.

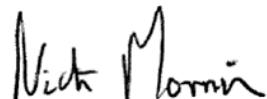
Appointment

Following the recommendation of the Goldman Sachs International Board Audit Committee, we were appointed by the directors on 22 September 1988 to audit the financial statements for the year ended 24 November 1989 and subsequent financial periods. The period of total uninterrupted engagement is 36 years, covering the years ended 24 November 1989 to 31 December 2024.

Goldman Sachs International is not a UK public-interest entity, and as such mandatory firm rotation requirements do not apply.

Other matter

In the event that the English version of this report and a translation of it into a language other than English differ, the English version shall prevail.



Nick Morrison (Senior Statutory Auditor)
for and on behalf of PricewaterhouseCoopers LLP
Chartered Accountants and Statutory Auditors
London
March 21, 2025

Income Statement

\$ in millions	Note	Year Ended December	
		2024	2023
Gains or losses from financial instruments measured at fair value through profit or loss		\$ 10,035	\$ 10,861
Fees and commissions		2,148	1,886
Other income		—	1,443
Non-interest income		12,183	14,190
Interest income from financial instruments measured at fair value through profit or loss		11,118	9,234
Interest income from financial instruments measured at amortised cost		13,685	12,304
Interest expense from financial instruments measured at fair value through profit or loss		(10,131)	(10,753)
Interest expense from financial instruments measured at amortised cost		(16,629)	(13,773)
Net interest expense		(1,957)	(2,988)
Net revenues	5	10,226	11,202
Net operating expenses	6	(6,553)	(6,136)
Profit before taxation		3,673	5,066
Income tax expense	9	(874)	(915)
Profit for the financial year		\$ 2,799	\$ 4,151

Net revenues and profit before taxation of the company are derived from continuing operations in the current and prior years.

Statement of Comprehensive Income

\$ in millions	Note	Year Ended December	
		2024	2023
Profit for the financial year		\$ 2,799	\$ 4,151
Other comprehensive income			
Items that will not be reclassified subsequently to profit or loss			
Actuarial gain/(loss) relating to the pension scheme	14	3	(118)
Debt valuation adjustment	19	(31)	(183)
U.K. deferred tax attributable to the components of other comprehensive income	15	5	85
U.K. current tax attributable to the components of other comprehensive income		3	(1)
Other comprehensive loss for the financial year, net of tax		(20)	(217)
Total comprehensive income for the financial year		\$ 2,779	\$ 3,934

Balance Sheet

\$ in millions	Note	As of December	
		2024	2023
Assets			
Cash and cash equivalents	24	\$ 11,601	\$ 35,689
Collateralised agreements	10	192,546	262,817
Customer and other receivables	11	76,886	72,888
Trading assets (includes \$65,392 and \$58,352 pledged as collateral)	12	826,082	828,362
Other assets (includes \$nil and \$25 pledged as collateral)	13	3,759	3,799
Total assets		\$ 1,110,874	\$ 1,203,555
Liabilities			
Collateralised financings	17	\$ 169,696	\$ 215,476
Customer and other payables	18	107,164	115,201
Trading liabilities	12	711,221	737,610
Unsecured borrowings	19	76,811	90,267
Other liabilities	20	5,765	4,882
Total liabilities		1,070,657	1,163,436
Shareholder's equity			
Share capital	21	598	598
Share premium account		5,568	5,568
Other equity instruments	22	5,500	5,500
Retained earnings		28,911	28,800
Accumulated other comprehensive income		(360)	(347)
Total shareholder's equity		40,217	40,119
Total liabilities and shareholder's equity		\$ 1,110,874	\$ 1,203,555

The financial statements were approved by the Board on March 20, 2025 and signed on its behalf by:



L. A. Donnelly
Director
March 21, 2025

Statement of Changes in Equity

\$ in millions	Note	Year Ended December	
		2024	2023
Share capital			
Beginning balance		\$ 598	\$ 598
Ending balance		598	598
Share premium account			
Beginning balance		5,568	5,568
Ending balance		5,568	5,568
Other equity instruments			
Beginning balance		5,500	8,300
Repurchase of Additional Tier 1 notes	22	—	(2,800)
Ending balance		5,500	5,500
Retained earnings			
Beginning balance		28,800	27,870
Profit for the financial year		2,799	4,151
Transfer of realised debt valuation adjustment into retained earnings, net of tax	19	(7)	3
Difference between carrying value and fair value of repurchased Additional Tier 1 notes	22	—	527
Interest on Additional Tier 1 notes	22	(495)	(643)
Cash dividends paid	23	(2,186)	(1,684)
Non-cash distribution	23	—	(1,424)
Share-based payments	8	385	334
Management recharge related to share-based payments	8	(385)	(334)
Ending balance		28,911	28,800
Accumulated other comprehensive income			
Beginning balance		(347)	(127)
Other comprehensive loss		(20)	(217)
Transfer of realised debt valuation adjustment into retained earnings, net of tax	19	7	(3)
Ending balance		(360)	(347)
Total shareholder's equity		\$ 40,217	\$ 40,119

See Note 23 for information about dividends and distributions.

Statement of Cash Flows

\$ in millions	Note	Year Ended December	
		2024	2023
Cash flows from operating activities			
Cash generated from/(used in) operations	24	\$ (20,688)	\$ 27,672
Taxation received		3	1
Taxation paid		(543)	(515)
Net cash from/(used in) operating activities		(21,228)	27,158
Cash flows from investing activities			
Capital expenditure for property, leasehold improvements and equipment and intangible assets		(275)	(223)
Purchase of investments		(3)	—
Proceeds from sales of investments		133	17
Net cash used in investing activities		(145)	(206)
Cash flows from financing activities			
Repurchase of Additional Tier 1 notes	24	—	(2,273)
Receipts from issuing MREL-eligible intercompany loans	24	1,700	—
Receipts from issuing subordinated loans	24	—	1,500
Interest paid on Additional Tier 1 notes	24	(495)	(643)
Interest paid on subordinated loans and MREL-eligible intercompany loans	24	(1,828)	(1,623)
Cash dividends paid	23	(2,186)	(1,684)
Payments for lease liabilities		(2)	(2)
Net cash used in financing activities		(2,811)	(4,725)
Net increase/(decrease) in cash and cash equivalents, net of overdrafts		(24,184)	22,227
Cash and cash equivalents, net of overdrafts, beginning balance		35,452	11,639
Foreign exchange gains on cash and cash equivalents, net of overdrafts		307	1,586
Cash and cash equivalents, net of overdrafts, ending balance	24	\$ 11,575	\$ 35,452

See Note 27 for information about non-cash activities related to the transfer of the company's U.K. asset management business in 2023.

Notes to the Financial Statements

Note 1.

General Information

The company is a private unlimited company and is incorporated and domiciled in England and Wales. The address of its registered office is Plumtree Court, 25 Shoe Lane, London, EC4A 4AU, United Kingdom.

The company's immediate parent undertaking is Goldman Sachs Group UK Limited (GSG UK), a company incorporated and domiciled in England and Wales. GSG UK together with its consolidated subsidiaries form "GSG UK Group".

The ultimate controlling undertaking and the parent company of the smallest and largest group for which consolidated financial statements are prepared is The Goldman Sachs Group, Inc., a company incorporated in the United States of America. Copies of its consolidated financial statements, as well as certain regulatory filings, for example Quarterly Reports on Form 10-Q and the Annual Report on Form 10-K, that provide further information about GS Group and its business activities, can be obtained from Investor Relations, 200 West Street, New York, NY 10282, United States of America, GS Group's principal place of business, or at www.goldmansachs.com/investor-relations.

Basel III Pillar 3 Disclosures

The company is included in the consolidated Pillar 3 disclosures of GSG UK, as required by the U.K. capital framework. GSG UK's December 2024 Pillar 3 disclosures will be made available in conjunction with the publication of its consolidated financial information at www.goldmansachs.com/disclosures.

Country-by-Country Reporting

The company is included in the consolidated country-by-country reporting disclosures of GSG UK, as required by the Capital Requirements (Country-by-Country Reporting) Regulations 2013. GSG UK's December 2024 Country-by-Country Reporting will be made available by December 31, 2025 at www.goldmansachs.com/disclosures.

Note 2.

Basis of Preparation

Statement of Compliance

These financial statements have been prepared in accordance with U.K.-adopted international accounting standards, the requirements of the Companies Act 2006, as applicable to companies reporting under those standards, and International Financial Reporting Standards (IFRS) adopted pursuant to Regulation (EC) No 1606/2002 as it applies in the E.U. (IFRS as it applies in the E.U.).

As of and for the year ended December 2024, U.K.-adopted international accounting standards, applicable to the company, were consistent with IFRS as it applies in the E.U.

These financial statements have been prepared under the historical cost basis (modified as explained in "Financial Assets and Liabilities" and "Pension Arrangements" below).

Going Concern

These financial statements have been prepared on a going concern basis. The directors are satisfied that the company has sufficient capital and resources to continue to operate for a period of at least twelve months from the date of authorisation of issue of these financial statements. In reaching this conclusion, the directors have considered the financial results of the company, its capital management activities and liquidity as set out in Part I of this annual report.

Consolidation

The company has elected not to prepare consolidated financial statements as permitted by Section 402 of the Companies Act 2006 as its subsidiaries are not material for the purpose of giving a true and fair view. These financial statements are separate financial statements.

Notes to the Financial Statements

Note 3.

Material Accounting Policies

Accounting Policies

Revenue Recognition. Net revenues include the net profit arising from transactions, with both third parties and GS Group affiliates, in derivatives, securities and other financial instruments, and fees and commissions. This is inclusive of associated interest and dividends.

Financial Assets and Liabilities Measured at Fair Value Through Profit or Loss

Financial assets and liabilities measured at fair value through profit or loss are recognised at fair value with realised and unrealised gains and losses, as well as associated interest and dividend income and expenses included in net revenues, with the exception of changes in the fair value of financial liabilities designated at fair value through profit or loss attributable to own credit spreads (debt valuation adjustment or DVA), which is recognised in other comprehensive income, unless this would create or enlarge an accounting mismatch in profit or loss. Financial assets are marked to bid prices and financial liabilities are marked to offer prices. Fair value measurements do not include transaction costs. The company measures certain financial assets and liabilities as a portfolio (i.e., based on its net exposure to market and/or credit risks).

Unrealised gains and losses related to the change in fair value of financial assets and liabilities measured at fair value through profit or loss are recognised from trade date in net revenues or other comprehensive income in the case of DVA.

Contractual interest is included in interest income and expense for all instruments other than hybrid financial instruments at fair value through profit or loss, for which contractual interest is included in gains and losses from financial instruments measured at fair value through profit or loss.

Revenue from Contracts with Customers

Revenues earned from contracts with customers for services, such as investment banking, investment management, and execution and clearing (contracts with customers) are recognised when the performance obligations related to the underlying transaction are completed.

Where the company recognises revenues in its capacity as principal to a transaction and incurs expenses to satisfy some or all of its performance obligations under these transactions, it is required by IFRS 15 'Revenue from Contracts with Customers' (IFRS 15) to report these revenues gross of the associated expenses. Such revenue is included in net revenues and such expenses are included in transaction based and other expenses (known hereafter as "IFRS 15 expenses").

The company is principal to the transaction if it has the primary obligation to provide the service to the customer. The company satisfies the performance obligation by itself, or by engaging other GS Group affiliates to satisfy some or all of its performance obligations on its behalf.

Net revenues are recognised as follows:

- **Financial Advisory and Underwriting**

Fees from financial advisory and underwriting engagements are recognised in profit and loss when the services related to the underlying transactions are completed under the terms of the engagement.

- **Execution and Client Clearing Transactions**

Revenue from commissions and fees from executing and clearing client transactions on stock, options and futures markets, as well as OTC transactions is recognised in net revenues on the day the trade is executed.

- **Investment Management Services**

Management fees are recognised on an accrual basis and are generally calculated as a percentage of a fund or a separately managed account's average net asset value. All management fees are recognised over the period that the related service is provided.

Incentive fees are calculated as a percentage of a fund's return or a percentage of a fund's excess return above a specified benchmark or other performance target. Incentive fees earned from a fund or a separately managed account are recognised when it is probable that a significant reversal of such fees will not occur, which is generally when such fees are no longer subject to fluctuations in the market value of investments held by the fund or separately managed account.

Segment Reporting. The directors manage the company's business activities as a single operating segment and accordingly no segmental reporting has been provided.

Short-Term Employee Benefits. Short-term employee benefits, such as wages and salaries, are measured on an undiscounted basis and accrued as an expense over the period in which the employee renders the service to the company. Provision is made for discretionary year-end compensation whether to be paid in cash or share-based awards where, as a result of company policy and past practice, a constructive obligation exists at the balance sheet date.

Notes to the Financial Statements

Share-Based Payments. Group Inc. issues awards in the form of restricted stock units (RSUs) to the company's employees in exchange for employee services. Group Inc. generally issues new shares of common stock upon delivery of share-based awards and the company has no obligation to settle the awards. The awards are therefore classified as equity settled. As a result the cost of share-based transactions with employees is measured based on the grant-date fair value of the award. The company recognises the grant-date fair value of the award in compensation and benefits in the income statement, with a corresponding credit directly to equity. For share-based awards that do not require future service (i.e., vested awards, which include awards granted to retirement eligible employees), the grant-date fair value is expensed immediately. For share-based awards that require future service, the grant-date fair value is recognised over the relevant service period. Expected forfeitures are included in determining the amount of awards expected to vest and thus the share-based employee compensation expense. Cash dividend equivalents, unless prohibited by regulation, are generally paid on outstanding RSUs.

The company has also entered into a chargeback agreement with Group Inc. under which it is committed to pay to Group Inc., at the delivery date of the shares, an amount in cash equal to (a) the grant-date fair value of those awards and (b) subsequent movements in the fair value of those awards between the grant date and ultimate delivery to employees (subsequent to the vesting date). The company accounts for (a) by recognising a payable to Group Inc. in other liabilities based on the grant-date fair value of the award, with a corresponding debit directly to equity and for (b) by recognising the subsequent movement in the fair value of awards between the grant date and ultimate delivery to employees in compensation and benefits in the income statement, with a corresponding increase or decrease in other liabilities. As a result, the share-based payment transaction and chargeback agreement, in aggregate, gives rise to a total charge to the income statement based on the grant-date fair value of the awards adjusted for subsequent movements in the fair value of those awards up to delivery.

Current and Deferred Taxation. Current tax is calculated on the basis of the tax laws enacted or substantively enacted at the balance sheet date in the countries where the company operates and generates taxable income.

Deferred tax is recognised in respect of all temporary differences that have originated, but not reversed at the balance sheet date, where transactions or events have occurred at that date that will result in an obligation to pay more tax or a right to pay less tax in the future with the following exceptions:

- Deferred tax assets are recognised only to the extent that it is more likely than not that there will be suitable taxable profits from which the future reversal of the underlying temporary differences can be deducted.
- Deferred tax is measured on an undiscounted basis at the tax rates that are expected to apply in the periods in which temporary differences reverse, based on tax rates and laws enacted or substantively enacted at the balance sheet date.

Current tax and deferred tax is generally recognised in the income statement or directly in other comprehensive income according to where the associated gain or loss was recognised. The income tax on interest on AT1 notes is recognised in the income statement.

Dividends and Distributions. Final cash dividends are recognised as a liability and deducted from equity in the period in which the dividends are approved by the company's shareholder. Interim cash dividends are recognised and deducted from equity when paid. Non-cash distributions are recognised and deducted from equity when approved by the company's shareholder.

Cash and Cash Equivalents. This includes cash at bank and highly liquid overnight deposits held in the ordinary course of business.

Foreign Currencies. The company's financial statements are presented in U.S. dollars, which is also the company's functional currency.

Transactions denominated in foreign currencies are translated into U.S. dollars at rates of exchange ruling on the date the transaction occurred. Monetary assets and liabilities, and non-monetary assets and liabilities measured at fair value, denominated in foreign currencies are translated into U.S. dollars at rates of exchange ruling at the balance sheet date. Foreign exchange gains and losses are recognised in profit before taxation.

Notes to the Financial Statements

Financial Assets and Liabilities

Recognition and Derecognition

Financial assets and liabilities, other than cash instruments purchased or sold in regular way transactions, are recognised when the company becomes party to the contractual provisions of the instrument. Financial assets are derecognised when the contractual rights to the cash flows from the financial asset expire or if the company transfers the financial asset and the transfer qualifies for derecognition. A transferred financial asset qualifies for derecognition if the company transfers substantially all the risks and rewards of ownership of the financial asset; or if the company neither transfers nor retains substantially all the risks and rewards of ownership of the financial asset but does not retain control. Financial liabilities are derecognised only when they are extinguished, i.e., when the obligation specified in the contract is discharged or cancelled or expires.

Cash instruments purchased or sold in regular way transactions are recognised and derecognised using settlement date accounting.

Classification and Measurement: Financial Assets

The company classifies financial assets as subsequently measured at amortised cost or fair value through profit or loss on the basis of both the company's business model for managing financial assets and the contractual cash flow characteristics of the financial assets. The business model reflects how the company manages particular groups of assets in order to generate future cash flows. Where the company's business model is to hold the assets to collect contractual cash flows, the company subsequently assesses whether the financial assets' cash flows represent solely payments of principal and interest. Financial assets with embedded derivatives (hybrid instruments) are also subject to the same assessment.

- **Financial assets measured at amortised cost.**

Financial assets that are held for the collection of contractual cash flows and have cash flows that represent solely payments of principal and interest are measured at amortised cost. The company considers whether the cash flows represent basic lending arrangements, and where contractual terms introduce exposure to risk or volatility inconsistent with a basic lending arrangement, the financial asset is mandatorily measured at fair value through profit or loss (see below). Financial assets measured at amortised cost are initially measured at fair value plus transaction costs and subsequently at amortised cost using the effective interest method. The effective interest method is a method of calculating the amortised cost of a financial instrument and allocating the interest income over the relevant period. The effective interest rate is the rate that exactly discounts estimated future cash receipts through the expected life of the financial asset or, when appropriate, a shorter period to the net carrying value of the financial asset. When calculating the effective interest rate, the company estimates cash flows considering all contractual terms of the financial asset but does not consider future credit losses. Finance revenue is recorded in net revenues. Financial assets measured at amortised cost include:

- Cash and cash equivalents;
- Certain collateralised agreements, which consists of certain resale agreements, and the majority of securities borrowed;
- Customer and other receivables; and
- Certain other assets, which consists of certain loans, and miscellaneous receivables and other.

- **Financial assets mandatorily measured at fair value through profit or loss.** Financial assets that are not held for the collection of contractual cash flows and/or do not have cash flows that represent solely payments of principal and interest are mandatorily measured at fair value through profit or loss. Financial assets mandatorily measured at fair value are initially measured at fair value with transaction costs expensed in the income statement. Such financial assets are subsequently measured at fair value with gains or losses recognised in net revenues. Financial assets mandatorily measured at fair value include:

- Certain collateralised agreements, which consists of the majority of resale agreements, and certain securities borrowed;
- Trading assets, which consists of trading cash instruments and derivatives;
- Certain other assets, which consists of certain loans, and investments.

Notes to the Financial Statements

Classification and Measurement: Financial Liabilities

The company classifies its financial liabilities into the below categories based on the purpose for which they were acquired or originated.

- **Financial liabilities held for trading.** Financial liabilities held for trading are initially measured at fair value and subsequently at fair value through profit or loss, with gains or losses recognised in net revenues. Financial liabilities held for trading include trading liabilities, which consists of:

- Trading cash instruments; and
- Derivatives.

- **Financial liabilities designated at fair value through profit or loss.** The company designates certain financial liabilities at fair value through profit or loss. Financial liabilities designated at fair value through profit or loss are initially measured at fair value and subsequently at fair value through profit or loss, with DVA being recognised in other comprehensive income, if it does not create or enlarge an accounting mismatch, and the remaining changes in the fair value being recognised in net revenues. Amounts recognised in other comprehensive income attributable to own credit spreads are not subsequently transferred to the income statement, even upon derecognition of the financial liability. The primary reasons for designating such financial liabilities at fair value through profit or loss are:

- To eliminate or significantly reduce a measurement or recognition inconsistency that would otherwise arise from measuring assets or liabilities or recognising the gains and losses on them on different bases; and
- The group of financial liabilities, or financial assets and liabilities, is managed and its performance evaluated on a fair value basis.

Financial liabilities designated at fair value through profit or loss include:

- Certain collateralised financings, which consist of the majority of repurchase agreements, certain securities loaned, and debt securities issued, bank loans and other borrowings, which consists of hybrid financial instruments, transfers of assets accounted for as financings rather than sales; and
- Certain unsecured borrowings, which consists of certain debt securities issued, substantially all other borrowings, certain intercompany loans, and prepaid commodity contracts.

Hybrid financial instruments are instruments that contain embedded derivatives that are able to be bifurcated. The company can either bifurcate the embedded derivative from the associated debt or designate the entire hybrid financial instrument at fair value through profit or loss. If the company bifurcates the embedded derivative from the associated debt, the derivative is accounted for at fair value and the host contract is accounted for at amortised cost.

- **Financial liabilities measured at amortised cost.**

Financial liabilities measured at amortised cost are initially measured at fair value plus transaction costs and subsequently measured at amortised cost using the effective interest method. See “Financial assets measured at amortised cost” above for further information on the effective interest method. Finance costs, including discounts allowed on issue, are recorded in net interest income and interest expense. Financial liabilities measured at amortised cost include:

- Certain collateralised financings, which consists of certain repurchase agreements, the majority of securities loaned, and intercompany loans;
- Customer and other payables;
- Certain unsecured borrowings that have not been designated at fair value through profit or loss; and
- Other liabilities, which primarily consists of compensation and benefits and accrued expenses and other.

Impairment

The company assesses the expected credit losses associated with financial assets measured at amortised cost on a forward-looking basis in accordance with the provisions of IFRS 9. Expected credit losses (ECL) are recorded in net revenues. As of both December 2024 and December 2023, the company’s expected credit losses were not material.

The company’s impairment model is based on changes in credit quality since initial recognition of financial assets measured at amortised cost and incorporates the following three stages:

- **Stage 1.** Financial assets measured at amortised cost that are not credit-impaired on initial recognition and where there has been no significant increase in credit risk since initial recognition. The ECL is measured at an amount equal to the expected credit losses that result from default events possible within the next twelve months.

- **Stage 2.** Financial assets measured at amortised cost where there has been a significant increase in credit risk since initial recognition, however not yet deemed to be credit-impaired. The ECL is measured based on expected credit losses on a lifetime basis.

- **Stage 3.** Financial assets measured at amortised cost that are in default, or are defined as credit-impaired. The ECL is measured based on expected credit losses on a lifetime basis.

Notes to the Financial Statements

Determination of the relevant staging for each financial asset is dependent on the definition of ‘significant increase in credit risk’ (stage 1 to stage 2) and the definition of ‘credit-impaired’ (stage 3). The company considers a financial asset to have experienced a significant increase in credit risk when certain quantitative or qualitative conditions are met. The company considers a financial asset to be credit-impaired when it meets Credit Risk’s definition of default, which is either when the company considers that the obligor is unlikely to pay its credit obligations to the company in full, without recourse by the company to actions such as realising security (if held), or the obligor has defaulted on a payment and/or is past due more than 90 days.

The ECL is determined by projecting the probability of default, loss given default and exposure at default for each individual exposure. To calculate expected credit losses these three components are multiplied together and discounted back to the reporting date. The discount rate used in the ECL calculation is the original effective interest rate. The probability of default represents the likelihood of a borrower defaulting on its financial obligation. The loss given default is the company’s expectation of the extent of loss on the default exposure, and takes into consideration, amongst other things, collateral on the financial asset. The exposure at default is the amount the company expects to be owed at the time the financial obligation defaults. The company uses internal credit risk ratings that reflect the assessment of the probability of default of individual counterparties. The company uses multiple macroeconomic scenarios within the ECL calculation, the weightings for which are subject to ongoing internal review and approval.

The ECL model takes into account the weighted average of a range of forecasts of future economic conditions. The forecasts include baseline, favourable and adverse economic scenarios over a three-year period. To the extent the company has financial assets in stage 2 or stage 3 which have an expected life beyond three years, the model reverts to historical loss information based on a non-linear modelled approach. The company applies judgement in weighing individual scenarios each quarter based on a variety of factors, including internally derived economic outlook, market consensus, recent macroeconomic conditions and industry trends.

Forward-looking information, such as key economic variables impacting credit risk and expected credit losses, is incorporated into both the assessment of staging and the calculation of ECL.

The company writes off financial assets, in whole or in part, when it has concluded that there is no reasonable expectation of recovery.

Classification of Financial Liabilities and Equity

Financial liabilities and equity instruments are classified according to the substance of the contractual arrangements. A financial liability is any liability that is a contractual obligation to deliver cash or another financial asset to another entity; or to exchange financial assets or financial liabilities with another entity under conditions that are potentially unfavourable to the entity. An equity instrument is any contract that evidences a residual interest in the assets of the entity after deducting all liabilities. Instruments are evaluated to determine if they contain both liability and equity components. The initial carrying value of a compound financial instrument is allocated first to the liability component, measured at fair value, and the equity is assigned the residual amount.

Offsetting Financial Assets and Liabilities

Financial assets and liabilities are offset and the net amount presented in the balance sheet where there is:

- Currently a legally enforceable right to set-off the recognised amounts; and
- Intent to settle on a net basis or to realise the asset and settle the liability simultaneously.

Where these conditions are not met, financial assets and liabilities are presented on a gross basis in the balance sheet.

Fair Value Measurement

See Note 29 for details about the fair value measurement of the company’s financial assets and liabilities.

Fair Value Hedges

The company applies hedge accounting under IAS 39 ‘Financial Instruments: Recognition and Measurement’ for certain interest rate swaps used to manage the interest rate exposure of certain fixed-rate unsecured long- and short-term borrowings. To qualify for hedge accounting, the derivative hedge must be highly effective at reducing the risk from the exposure being hedged. Additionally, the company must formally document the hedging relationship at inception and assess the hedging relationship at least on a quarterly basis to ensure the derivative hedge continues to be highly effective over the life of the hedging relationship.

Notes to the Financial Statements

The company applies a statistical method that utilises regression analysis when assessing the effectiveness of its fair value hedging relationships in achieving offsetting changes in the fair values of the hedging instrument and the risk being hedged (i.e., interest rate risk). An interest rate swap is considered highly effective in offsetting changes in fair value attributable to changes in the hedged risk when the regression analysis results in a coefficient of determination of 80% or greater and a slope between 80% and 125%. Possible sources of ineffectiveness on these hedges include:

- Differences in timing of cash flows between the hedged item and hedging instrument.
- Differences in discounting between the hedged item and the hedging instrument, as cash collateralised derivatives are discounted using Overnight Indexed Swap discount curves, which are not consistently applied to the hedged item.
- Counterparty credit risk impacting fair value movements on uncollateralised interest rate swaps but not the underlying hedged item.

For qualifying fair value hedges, gains or losses on derivatives and the change in fair value of the hedged item attributable to the hedged risk are included in net revenues. When a derivative is no longer designated as a hedge, any remaining difference between the carrying value and par value of the hedged item is amortised over the remaining life of the hedged item using the effective interest method.

Collateralised Agreements and Collateralised Financings

Collateralised agreements include resale agreements and securities borrowed. Collateralised financings include repurchase agreements, securities loaned, secured debt securities issued, intercompany loans and other borrowings. See “Classification and Measurement: Financial Assets” and “Classification and Measurement: Financial Liabilities” above for details on the classification and measurement of these instruments. Collateral received or posted can be in the form of cash or securities. Cash collateral is recognised/derecognised when received/paid. Collateral posted by the company in the form of securities is not derecognised from the balance sheet, whilst collateral received in the form of securities is not recognised in the balance sheet. If collateral received is subsequently sold, the obligation to return the collateral and the cash received are recognised in the balance sheet.

Pension Arrangements. The company is a sponsor of a defined contribution pension plan, and a hybrid pension plan for the benefit of certain employees. The hybrid pension plan has both a defined benefit section (the Plan) and a defined contribution section. These are accounted for as follows:

- For the defined contribution pension plan and the defined contribution section of the hybrid pension plan, the contributions payable for the period are charged to net operating expenses. Differences between contributions payable for the period and contributions actually paid are shown as either accruals or prepayments in the balance sheet.
- For the Plan, the amounts charged to net operating expenses are any past service costs, administration costs and any gains or losses on settlements and curtailments. These amounts are included in compensation and benefits. The interest is included in interest income/(expense). Actuarial gains and losses are recognised immediately in other comprehensive income. Plan assets are measured at fair value and Plan liabilities are measured on an actuarial basis using the projected unit credit method and discounted at a rate equivalent to the current rate of return on a high-quality corporate bond of equivalent currency and term to the Plan liabilities. Full actuarial valuations are obtained at least triennially and updated at each balance sheet date. Any surplus or deficit of Plan assets over Plan liabilities is recognised in the balance sheet as an asset (surplus) or liability (deficit).

Intangible Assets. Intangible assets are stated at cost less accumulated amortisation and provision for impairment. Subject to the recognition criteria in IAS 38 ‘Intangible Assets’ being met, costs incurred during the period that are directly attributable to the development or improvement of new business application software are capitalised as assets in the course of construction. Assets in the course of construction are transferred to computer software once completed and ready for their intended use.

Computer software is amortised on a straight-line basis over its estimated useful life, which is three years. No amortisation is charged on assets in the course of construction. Amortisation is included in net operating expenses and the amortisation policies are reviewed on an annual basis.

Intangible assets are tested for impairment whenever events or changes in circumstances suggest that an asset’s or asset group’s carrying value may not be fully recoverable.

Notes to the Financial Statements

Provisions, Contingent Liabilities and Contingent Assets

Assets. Provisions are recognised in the financial statements when it is probable that an outflow of economic benefits will be required to settle a present (legal or constructive) obligation, which has arisen as a result of past events, and for which a reliable estimate can be made of the amount of the obligation. Legal obligations that may arise as a result of proposed new laws are recognised as obligations only when the legislation is virtually certain to be enacted as drafted.

A contingent liability is a possible obligation that arises from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the company or a present obligation that arises from past events but is not recognised because either an outflow of economic benefits is not probable or the amount of the obligation cannot be reliably measured.

A contingent asset is a possible asset that arises from past events and whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the company.

Contingent liabilities and contingent assets are not recognised in the financial statements. However, disclosure is made for contingent liabilities unless the probability of settlement is remote.

Equity Instruments. The company's AT1 notes have been classified as equity instruments. Associated interest is recognised directly in retained earnings when paid.

New Standards, Amendments and Interpretations Not Yet Adopted By The Company

The following new standards and amendments that are relevant to the company's operations have been issued by the International Accounting Standards Board but, with the exception of the Amendments to IAS 21 'The Effects of Changes in Foreign Exchange Rates' (Amendments to IAS 21), have not yet been adopted for use within U.K. international accounting standards by the U.K. Endorsement Board.

- Amendments to IAS 21;
- IFRS 18 'Presentation and Disclosure in Financial Statements'; and
- Classification and Measurement of Financial Instruments (Amendments to IFRS 9 'Financial Instruments' (IFRS 9) and IFRS 7 'Financial Instruments: Disclosures').

The company does not expect future adoption of these standards and amendments to have a material impact.

Note 4.

Critical Accounting Estimates and Judgements

The preparation of financial statements requires management to make judgements, estimates and assumptions that affect the amounts recognised in these financial statements. The nature of estimation means that actual outcomes could differ from those estimates. The following estimates have had the most significant effect on amounts recognised in the financial statements:

Fair Value Measurement

Certain of the company's financial assets and liabilities include significant unobservable inputs (i.e., level 3). See Note 29 for information about the carrying value, valuation techniques and significant inputs of these instruments.

Defined Benefit Pension

The cost of the Plan and the value of the Plan liabilities are determined using actuarial valuations. This involves making assumptions about discount rates, future salary increases, mortality rates and future pension increases. Due to the complexity of the valuation, such estimates are subject to significant uncertainty. See Note 14 for further information about the company's Plan.

Notes to the Financial Statements

Note 5.

Net Revenues

Net revenues include net interest expense and non-interest income. Net interest expense includes interest and dividends on financial instruments measured at fair value through profit or loss and amortised cost and returns on the company's GCLA.

The table below presents the company's net revenues.

\$ in millions	Year Ended December	
	2024	2023
Non-interest income		
Financial instruments mandatorily measured at fair value through profit or loss	\$ 11,656	\$ 14,260
Financial instruments designated at fair value through profit or loss	(1,621)	(3,399)
Fees and commissions	2,148	1,886
Other income	—	1,443
Non-interest income	12,183	14,190
Interest income		
Financial instruments measured at fair value through profit or loss	11,118	9,234
Financial instruments measured at amortised cost	13,685	12,304
Total interest income	24,803	21,538
Interest expense		
Financial instruments measured at fair value through profit or loss	(10,131)	(10,753)
Financial instruments measured at amortised cost	(16,629)	(13,773)
Total interest expense	(26,760)	(24,526)
Net interest expense	(1,957)	(2,988)
Net revenues	\$ 10,226	\$ 11,202

In the table above:

- Non-interest income from financial instruments mandatorily measured at fair value through profit or loss primarily relates to non-interest gains and losses on trading assets, trading liabilities, certain collateralised agreements and certain other assets.
- Non-interest income from financial instruments designated at fair value through profit or loss relates to non-interest gains and losses on certain unsecured borrowings and collateralised financings.
- Fees and commissions primarily relates to net revenues from certain financial advisory and underwriting engagements, executing and clearing client transactions and certain investment management services.
- Other income primarily included the gain of \$1.42 billion for 2023 related to the transfer of the company's U.K. asset management business.
- Financial instruments designated at fair value through profit or loss are frequently economically hedged with financial instruments measured mandatorily at fair value through profit or loss. Accordingly, gains or losses that are reported in financial instruments designated at fair value through profit or loss can be partially offset by gains or losses reported in financial instruments measured mandatorily at fair value through profit or loss.

- Due to the nature of the company's business activities, revenue reported in non-interest income can be partially offset by revenue reported in interest income/(expense). For example, cash instruments that generate interest income are in some cases hedged or funded by derivatives for which changes in fair value are reflected in non-interest income. Also, certain activities produce non-interest income but incur interest expense related to the funding of the related inventory.

- During 2024, net revenues relating to certain short-term foreign currency swaps used in connection with the company's funding strategy are classified within non-interest income from financial instruments mandatorily measured at fair value through profit or loss to better align with the classification for similar foreign currency derivatives. Previously, such net revenues were included within interest income/(expense) from financial instruments measured at fair value through profit or loss. This change in presentation did not change the company's net revenues and is consistent with the company's regulatory filings.

Amounts previously reported for 2023 have been conformed to the current period presentation. The impact of this change for 2023 was an increase in non-interest income from financial instruments mandatorily measured at fair value through profit or loss of \$557 million, with a corresponding increase in net interest expense of \$557 million, of which:

- Interest income from financial instruments measured at fair value through profit or loss decreased by \$1.13 billion; and
- Interest expense from financial instruments measured at fair value through profit or loss decreased by \$570 million.

For 2024, the impact of this change was an increase in non-interest income of \$1.47 billion, with a corresponding increase in net interest expense of \$1.47 billion.

Geographic Information

Due to the highly integrated nature of international financial markets, the company manages its businesses based on the net revenues of the enterprise as a whole. The methodology for allocating net revenues to geographic regions is dependent on estimates and management judgement.

Notes to the Financial Statements

Geographic results are generally allocated as follows:

- Investment Banking: location of the client, investment banking team and underlying risk.
- FICC and Equities: location of the market-making desk or the primary market for the underlying security.
- Investment Management: location of the investment management team.

The table below presents the company's net revenues by geographic region allocated based on the methodology referred to above.

\$ in millions	Year Ended December	
	2024	2023
EMEA	\$ 6,582	\$ 7,675
Americas	1,805	1,763
Asia	1,839	1,764
Total	\$ 10,226	\$ 11,202

Revenue from Contracts With Customers

The table below presents the company's revenue from contracts with customers subject to IFRS 15, which are included in fees and commissions within non-interest income.

\$ in millions	Year Ended December	
	2024	2023
Financial advisory and underwriting engagements	\$ 1,181	\$ 806
Execution and client clearing transactions	589	573
Investment management services	378	507
Total	\$ 2,148	\$ 1,886

Note 6.

Net Operating Expenses

The table below presents the company's net operating expenses.

\$ in millions	Year Ended December	
	2024	2023
Compensation and benefits	\$ 2,761	\$ 2,188
Transaction based	1,692	1,651
Market development	60	54
Communications and technology	143	137
Depreciation and amortisation	264	264
Professional fees	146	159
Management charges from GS Group affiliates	1,050	1,139
Other expenses	803	863
Operating expenses	6,919	6,455
Management charges to GS Group affiliates	(366)	(319)
Net operating expenses	\$ 6,553	\$ 6,136

In the table above:

- Management charges includes charges relating to operational and administrative support and management services, received from and provided to GS Group affiliates.
- Other expenses primarily includes IFRS 15 expenses, miscellaneous taxes, provisions for liabilities, regulatory fees and charitable contributions.

The table below presents the fees payable to the company's auditors, which are included in professional fees.

\$ in millions	Year Ended December	
	2024	2023
Audit fees	\$ 6.1	\$ 5.6
Audit related assurance services	2.6	2.3
Other assurance services	1.3	1.2
Total fees for non-audit services	3.9	3.5
Total fees	\$ 10.0	\$ 9.1

In the table above:

- Audit related assurance services primarily related to client money and asset reporting.
- Other assurance services included the company's share of fees related to certain services provided by a network firm of the company's auditors to various GS Group affiliates. These fees were apportioned to the various GS Group affiliates, including the company, by reference to each entity's asset size.

Notes to the Financial Statements

Note 7.

Compensation and Benefits

The table below presents the company's average monthly employee headcount, including executive directors.

Number	Average for the Year Ended December	
	2024	2023
Investment Banking	696	700
FICC	694	690
Equities	710	730
Investment Management	322	357
Support Functions	1,052	947
Total average headcount	3,474	3,424

In the table above, support functions include Legal, Tax, Internal Audit, Risk, Compliance, Conflicts Resolution, Controllers, Engineering, Corporate Treasury and certain other corporate functions.

Total headcount was 3,614 as of December 2024 and 3,332 as of December 2023.

The table below presents compensation and benefits costs incurred by the company, including those relating to directors.

\$ in millions	Year Ended December	
	2024	2023
Wages and salaries	\$ 2,364	\$ 1,882
Social security costs	347	262
Pension costs:		
Defined contribution plan and defined contribution section of the hybrid pension plan	48	42
Defined benefit section of the hybrid pension plan	2	2
Total	\$ 2,761	\$ 2,188

In the table above, total compensation and benefits included a charge of \$747 million for 2024 and a charge of \$216 million for 2023 representing changes in the fair value of share-based payment awards recharged from Group Inc. during the year.

Note 8.

Share-Based Payments

Stock Incentive Plan

Group Inc. sponsors a stock incentive plan, The Goldman Sachs Amended and Restated Stock Incentive Plan (2021) (2021 SIP), which provides for grants of RSUs, restricted stock, dividend equivalent rights, incentive stock options, nonqualified stock options, stock appreciation rights, and other share-based awards, each of which may be subject to terms and conditions, including performance or market conditions. On April 29, 2021, Group Inc.'s shareholders approved the 2021 SIP. The 2021 SIP is a successor to several predecessor stock incentive plans, the first of which was adopted on April 30, 1999, and each of which was approved by Group Inc.'s shareholders. The 2021 SIP is scheduled to terminate on the date of Group Inc.'s 2025 Annual Meeting of Shareholders.

The company recorded share-based compensation in respect of the amortisation of granted equity awards, net of forfeitures, of \$385 million for 2024 and \$334 million for 2023. The resultant credit to equity arising from these share-based payments has been offset in equity as a result of the recognition of a liability for amounts arising under the terms of the chargeback agreement with Group Inc. under which the company is committed to pay to Group Inc. the grant-date fair value, as well as subsequent movements in the fair value of those awards to Group Inc. at the time of delivery to its employees.

Restricted Stock Units

Group Inc. grants RSUs (including RSUs subject to performance or market conditions) to the company's employees, which are generally valued based on the closing price of the underlying shares on the date of grant after taking into account a liquidity discount for any applicable post-vesting and delivery transfer restrictions. The value of equity awards also considers the impact of material non-public information, if any, that GS Group expects to make available shortly following grant. RSUs not subject to performance or market conditions generally vest and underlying shares of common stock are delivered (net of required withholding tax) over a three-year period as outlined in the applicable award agreements. Award agreements generally provide that vesting is accelerated in certain circumstances, such as on retirement, death, disability and, in certain cases, conflicted employment. Delivery of the underlying shares of common stock is conditioned on the grantees satisfying certain vesting and other requirements outlined in the award agreements.

RSUs that are subject to performance or market conditions generally are settled after the end of a three- to five-year period. For awards that are subject to performance or market conditions, generally the final award is adjusted from zero up to 150% of the original grant based on the extent to which those conditions are satisfied. Dividend equivalents that accrue on these awards are paid when the awards settle.

Notes to the Financial Statements

The table below presents the activity related to RSUs.

	Weighted Average Grant-Date Fair Value of Restricted Stock Units Outstanding			
	Restricted Stock Units Outstanding		Restricted Stock Units Outstanding	
	Future Service Required	No Future Service Required	Future Service Required	No Future Service Required
Year Ended December 2024				
Beginning balance	556,279	3,335,927	\$ 287.15	\$ 276.32
Granted	457,423	697,768	\$ 364.65	\$ 341.92
Forfeited	(125,176)	(102,387)	\$ 275.02	\$ 298.70
Delivered	—	(1,477,487)	\$ —	\$ 276.53
Vested	(452,143)	452,143	\$ 317.26	\$ 317.26
Transfers	(687)	1,186	\$ 252.26	\$ 231.23
Ending balance	435,696	2,907,150	\$ 341.47	\$ 297.56
Year Ended December 2023				
Beginning balance	872,454	3,700,126	\$ 277.97	\$ 261.02
Granted	574,879	572,878	\$ 308.43	\$ 317.83
Forfeited	(81,263)	(25,112)	\$ 292.33	\$ 284.72
Delivered	—	(1,729,787)	\$ —	\$ 263.88
Vested	(741,438)	741,438	\$ 289.42	\$ 289.42
Transfers	(68,353)	76,384	\$ 292.45	\$ 295.29
Ending balance	556,279	3,335,927	\$ 287.15	\$ 276.32

In the table above:

- The weighted average grant-date fair value of RSUs granted was \$350.92 during 2024 and \$313.12 during 2023. The grant-date fair value of these RSUs included an average liquidity discount of 4.13% during 2024 and 5.01% during 2023, to reflect post-vesting and delivery transfer restrictions, generally of 1 year for both 2024 and 2023.
- The aggregate fair value of awards that vested was \$471 million during 2024 and \$423 million during 2023.
- The ending balance included RSUs subject to future service requirements and performance or market conditions of 38,557 RSUs as of December 2024 and 65,942 for December 2023, and the maximum amount of such RSUs that may be earned was 57,836 as of December 2024 and 98,914 for December 2023.
- The ending balance also included RSUs not subject to future service requirements but subject to performance conditions of 192,550 RSUs as of December 2024 and 240,909 RSUs as of December 2023, and the maximum amount of such RSUs that may be earned was 288,825 RSUs as of December 2024 and 361,364 RSUs as of December 2023.

Note 9.

Income Tax Expense

The table below presents an analysis of the company's income tax expense.

\$ in millions	Year Ended December	
	2024	2023
Current tax		
U.K. taxation	\$ 672	\$ 493
Adjustments in respect of prior periods	42	158
Overseas taxation	328	250
Total current tax	1,042	901
Deferred tax		
Origination and reversal of temporary differences	(165)	14
Adjustments in respect of prior periods	(3)	—
Total deferred tax	(168)	14
Total income tax expense	\$ 874	\$ 915

The table below presents a reconciliation between income tax expense and the amount calculated by applying the weighted average combined U.K. corporation tax rate (including banking surcharge) applicable to the company for 2024 of 28.0% (2023: 27.75%) to profit before taxation. The company's weighted average combined U.K. corporation tax rate for 2023 of 27.75% included three months from January 1, 2023 to March 31, 2023 at 27.0% and nine months from April 1, 2023 to December 31, 2023 at 28.0%.

\$ in millions	Year Ended December	
	2024	2023
Profit before taxation	\$ 3,673	\$ 5,066
Profit before taxation multiplied by combined U.K. corporation tax rate of 28.0% (2023: 27.75%)	1,028	1,406
Changes in recognition and measurement of deferred tax assets	8	4
Non-taxable gain related to transfer of U.K. asset management business	—	(395)
Tax deductible on interest on AT1 notes	(139)	(178)
Non-taxable income on index-linked government bonds	(76)	(80)
Other permanent differences	(4)	(5)
Exchange differences and other	18	5
Adjustments in respect of prior periods	39	158
Total income tax expense	\$ 874	\$ 915

In 2023, the Finance (No. 2) Act 2023 enacted certain provisions of the Organisation for Economic Co-operation and Development (OECD) Global Anti-Base Erosion Model Rules (Pillar Two), including a Domestic Minimum Top-Up Tax, which applied to GS Group from January 2024. Pillar Two aims to ensure that multinational companies pay a minimum effective corporate tax rate of 15% in each jurisdiction in which they operate. The OECD released transitional safe harbours rules that, if satisfied, deem top-up taxes to be zero. Given the company satisfies and intends to apply the safe harbour rules, there was no impact to the company's effective tax rate as a result of Pillar Two rules. The company also does not expect a material impact to its 2025 annual effective tax rate, absent a significant change in its profitability, mix of earnings or material discrete income tax events. The company continues to apply the mandatory exception to recognising and disclosing information about deferred tax assets and liabilities related to Pillar Two income taxes.

Notes to the Financial Statements

In accounting for taxes, the company recognises tax positions in the financial statements only when it is probable that the taxing authority will accept an uncertain tax treatment based on the technical merits of the position. The company uses estimates to recognise current and deferred taxes in the jurisdictions in which it operates. The income tax laws in these jurisdictions are complex and can be subject to different interpretations between taxpayers and taxing authorities. Disputes may arise over these interpretations and can be settled by audit, administrative appeals or judicial proceedings. The company's interpretations are reevaluated quarterly based on guidance currently available, tax audit experience and the opinions of legal counsel, among other factors. The company does not expect that the resolution of any such dispute will have a material impact on its total shareholder's equity, but it may be material to the operating results for a particular period, depending, in part, on the operating results for that period.

Note 10.

Collateralised Agreements

The table below presents the company's collateralised agreements.

\$ in millions	As of December	
	2024	2023
Resale agreements	\$ 117,873	\$ 126,309
Securities borrowed	74,673	136,508
Total	\$ 192,546	\$ 262,817

Note 11.

Customer and Other Receivables

The table below presents the company's customer and other receivables.

\$ in millions	As of December	
	2024	2023
Receivables from broker/dealers and clearing organisations	\$ 12,574	\$ 14,536
Receivables from customers and counterparties	64,312	58,352
Total	\$ 76,886	\$ 72,888

In the table above:

- Total customer and other receivables primarily consists of receivables resulting from collateral posted in connection with certain derivative transactions, customer margin loans and balances related to listed derivative activity.
- Receivables from customers and counterparties includes receivables from contracts with customers, which were \$226 million as of December 2024 and \$114 million as of December 2023.

Note 12.

Trading Assets and Liabilities

Trading assets and liabilities include trading cash instruments and derivatives held in connection with the company's market-making or risk management activities, including securities held for liquidity risk management purposes. Trading assets includes assets pledged as collateral. See Note 28 for further information.

The table below presents the company's trading assets.

\$ in millions	As of December	
	2024	2023
Trading cash instruments		
Money market instruments	\$ 11	\$ 20
Government and agency obligations	55,892	48,747
Mortgage and other asset-backed loans and securities	191	225
Corporate debt instruments	29,550	25,998
Equity securities	60,971	57,360
Commodities	100	312
Total trading cash instruments	146,715	132,662
Derivatives		
Interest rates	478,883	509,246
Credit	19,706	20,668
Currencies	110,177	95,575
Commodities	8,324	9,002
Equities	62,277	61,209
Total derivatives	679,367	695,700
Total trading assets	\$ 826,082	\$ 828,362

The table below presents the company's trading liabilities.

\$ in millions	As of December	
	2024	2023
Trading cash instruments		
Government and agency obligations	\$ 19,172	\$ 27,935
Corporate debt instruments	6,516	4,868
Equity securities	29,372	32,936
Commodities	199	11
Total trading cash instruments	55,259	65,750
Derivatives		
Interest rates	457,629	486,163
Credit	17,460	18,200
Currencies	108,112	97,849
Commodities	8,138	8,826
Equities	64,623	60,822
Total derivatives	655,962	671,860
Total trading liabilities	\$ 711,221	\$ 737,610

In the tables above:

- Corporate debt instruments includes corporate loans, debt securities, convertible debentures, prepaid commodity transactions and transfers of assets accounted for as secured loans rather than purchases.
- Equity securities includes public equities and exchange-traded funds.

Notes to the Financial Statements

Note 13.

Other Assets

The table below presents the company's other assets by type.

\$ in millions	As of December	
	2024	2023
Loans	\$ 523	\$ 706
Investments	278	403
Miscellaneous receivables and other	1,502	1,515
Total financial assets	2,303	2,624
Property, leasehold improvements and equipment	3	5
Intangible assets	530	518
Right-of-use assets	5	7
Deferred tax assets (see Note 15)	659	456
Prepayments and accrued income	40	35
Tax-related assets	214	150
Miscellaneous receivables and other	5	4
Total non-financial assets	1,456	1,175
Total	\$ 3,759	\$ 3,799

In the table above:

- Loans includes loans held for investment and intercompany loans.
- Investments includes corporate debt instruments and equity securities held for investment, and the company's investment in subsidiary which has been measured at fair value in accordance with IFRS 9.
- Miscellaneous receivables and other included in financial assets primarily includes receivables from GS Group affiliates, including receivables for allocation of net revenues among GS Group affiliates for their participation in GS Group's business activities.
- In the prior period, loans held for investment were presented directly on the balance sheet as 'Loans', and corporate debt instruments and equity securities held for investment as 'Investments'. In the current period, the company has presented these in 'Other assets'. As a result, comparatives have been conformed to the current period presentation.

Property, Leasehold Improvements and Equipment

The table below presents the movements in property, leasehold improvements and equipment during the current and prior year.

\$ in millions	Leasehold improvements	Fixtures, fittings and equipment	Total
Cost			
As of December 2022	\$ 12	\$ 6	\$ 18
Additions/Transfers	2	—	2
Disposals	—	—	—
As of December 2023	14	6	20
Additions/Transfers	—	1	1
Disposals	(2)	(1)	(3)
As of December 2024	12	6	18
Accumulated depreciation			
As of December 2022	9	4	13
Charge for the year	1	1	2
Disposals	—	—	—
As of December 2023	10	5	15
Charge for the year	—	1	1
Disposals	—	(1)	(1)
As of December 2024	\$ 10	\$ 5	\$ 15
Net book value			
As of December 2024	\$ 2	\$ 1	\$ 3
As of December 2023	\$ 4	\$ 1	\$ 5

Leasehold improvements are depreciated over the shorter of the useful economic life of the asset or the remaining life of the lease when the asset is brought into use. Fixtures, fittings and equipment are depreciated on a straight-line basis over their estimated useful lives, which is between 3 to 7 years.

Intangible Assets

The table below presents the movements in intangible assets, related to computer software, during the current and prior year.

\$ in millions	Computer software	Assets in the course of construction	Total
Cost			
As of December 2022	\$ 1,087	\$ 260	\$ 1,347
Additions/Transfers	258	(37)	221
Disposals	(4)	—	(4)
As of December 2023	1,341	223	1,564
Additions/Transfers	225	49	274
Disposals	(1)	—	(1)
As of December 2024	1,565	272	1,837
Accumulated amortisation			
As of December 2022	787	—	787
Charge for the year	261	—	261
Disposals	(2)	—	(2)
As of December 2023	1,046	—	1,046
Charge for the year	261	—	261
Disposals	—	—	—
As of December 2024	\$ 1,307	\$ 272	\$ 1,307
Net book value			
As of December 2024	\$ 258	\$ 272	\$ 530
As of December 2023	\$ 295	\$ 223	\$ 518

Notes to the Financial Statements

Note 14.

Pension Arrangements

The company sponsors a pension plan with a hybrid structure, having both a defined benefit section (the Plan) and a defined contribution section. The Plan provides retirement benefits on the basis of members' final salary, with a normal retirement age of 65 for most members. The Plan is funded, with the assets of the scheme held separately from those of the company, in separate trustee-administered funds.

The Plan was closed to new entrants with effect from April 1, 2008, and was replaced by a defined contribution plan. As of March 31, 2016, the Plan was closed to future benefit accruals for existing participants.

The Plan operates under trust law and is managed and administrated by the Goldman Sachs UK Retirement Plan Trustee Limited (the Trustee) on behalf of the members and beneficiaries in accordance with the terms of the Trust Deed and Rules and relevant legislation. The Trustees act on behalf of the members and beneficiaries and have the responsibility for setting the investment strategy and agreeing funding requirements with the company through the valuation process.

A full actuarial valuation of the Plan, for accounting purposes, was carried out by a qualified independent actuary as of December 31, 2024 using the projected unit credit method based upon membership data as of July 31, 2024. As of December 2024, Plan liabilities consisted of 89% in respect of future beneficiaries and 11% in respect of current beneficiaries. As of December 2023, Plan liabilities consisted of 91% in respect of future beneficiaries and 9% in respect of current beneficiaries.

There is no asset ceiling imposed on the amount of pension surplus recognised in the financial statements as the company is able to utilise the Plan surplus in the scenarios set out in "IFRIC 14 - IAS 19 - The Limit on a Defined Benefit Asset, Minimum Funding Requirements and their Interaction".

Several valuations are prepared for the Plan, including valuations on an accounting basis (in line with IFRS), on a funding basis (used by the Trustees to manage the funding of the Plan) and on a discontinuance basis (used to determine the funding level if the Plan were to wind up immediately and the liabilities bought out with an insurance company). The two main differences between the accounting valuation and funding valuation is the method used to determine the discount rate assumption and the margins of prudence required to be included in the funding valuation.

Investment Strategy of the Plan

The Plan may make use of three key types of investments as considered appropriate at various stages of the Plan's life:

- A range of instruments that provide a broad match to changes in liability values.
- A portfolio of secure income assets.
- A diversified portfolio of return-seeking assets.

The Plan Trustees monitor the liability profile of the Plan and regularly review the appropriateness of its investment strategy in relation to the nature and duration of the Plan's liabilities.

The Plan Trustees have a long-term asset allocation strategy to invest 41% of assets in return seeking investments (such as equity funds/indices, alternative investments and fixed income securities) and 59% in liability matching assets (such as Gilts, swaps and resale/repurchase agreements). The primary objective of the Plan's hedging programme is to hedge the majority of the Plan's interest rate and inflation exposure based on the funding valuation of Plan liabilities.

Risks of the Plan

The main risks of the Plan are:

- **Funding Shortfall.** Additional contributions will be required if the investment returns are not sufficient to pay for benefits. The level of equity returns will be a key determinant of overall investment return; the investment portfolio is also subject to a range of other risks typical of the asset classes held, in particular interest rate risk and inflation risk on bonds.
- **Asset Volatility.** A consequence of the Plan's investment strategy, with a significant proportion of the assets invested in equities and other return-seeking assets, is that the difference between Plan assets and Plan liabilities may be volatile. In addition, whilst liability matching instruments contribute to volatility in Plan assets due to changes in market conditions (see below), they seek to minimise the difference between Plan assets and Plan liabilities. In the event of market volatility, the Plan has put in place a revolving credit facility with a GS Group affiliate to mitigate the risk of having to sell assets in distressed markets to meet collateral calls.
- **Plan Liabilities Sensitivity.** Plan liabilities are sensitive to the assumptions made about future inflation and life expectancy. It is also sensitive to the discount rate, which depends on market yields on sterling-denominated AA corporate bonds.

Notes to the Financial Statements

Financial and Mortality Assumptions

The table below presents the significant financial and mortality assumptions used to determine the present value of the defined benefit obligation.

% per annum, except mortality assumptions	As of December	
	2024	2023
Financial Assumptions		
Discount rate	5.70	4.70
Rate of price inflation – RPI	3.35	3.22
Rate of price inflation – CPI	2.95	2.72
Rate of increase in pensions in payments (post-November 30, 1996 accrual)	3.15	3.02
Rate of increase in pensions in deferment (post-November 30, 1996 accrual)	2.95	2.72
Rate of increase in pensions in deferment (post-April 5, 2009 accrual)	2.50	2.50
Mortality Assumptions		
Life expectancy at 65 for a member currently at 65:		
Males	23.8 years	23.8 years
Females	25.3 years	25.2 years
Life expectancy at 65 for a member currently at 45:		
Males	25.0 years	25.0 years
Females	26.6 years	26.5 years

In the table above, the mortality assumptions adopted as of December 2024 were the “SAPS S3 very light (All Pensioners) series” base table with an allowance for future improvements from 2013 onwards in line with the CMI 2023 core projections with a long-term rate of improvement of 1.25% per annum and an initial addition to mortality improvement parameter of 0.50% per annum and default weighting parameters.

Reconciliation of Pension Surplus/(Deficit)

The table below presents a reconciliation of Plan assets, Plan liabilities and the net pension surplus/(deficit).

\$ in millions	Plan assets	Plan liabilities	Net
			pension surplus/(deficit)
Year Ended December 2024			
As of January 1, 2024	\$ 1,273	\$ (1,353)	\$ (80)
Administrative cost	—	(3)	(3)
Interest income/(expense)	60	(63)	(3)
Return on Plan assets less than discount rate	(257)	—	(257)
Actuarial gain/(loss) – liability experience	—	3	3
Actuarial gain/(loss) – financial assumptions	—	256	256
Actuarial gain – demographic assumptions	—	1	1
Benefits paid	(13)	13	—
Foreign exchange gain/(loss)	(20)	20	—
As of December 31, 2024	\$ 1,043	\$ (1,126)	\$ (83)
Year Ended December 2023			
As of January 1, 2023	\$ 1,233	\$ (1,193)	\$ 40
Administrative cost	—	(3)	(3)
Interest income/(expense)	62	(60)	2
Return on Plan assets less than discount rate	(77)	—	(77)
Actuarial gain/(loss) – liability experience	—	(31)	(31)
Actuarial gain/(loss) – financial assumptions	—	(26)	(26)
Actuarial gain – demographic assumptions	—	16	16
Benefits paid	(15)	15	—
Foreign exchange gain/(loss)	70	(71)	(1)
As of December 31, 2023	\$ 1,273	\$ (1,353)	\$ (80)

Fair Value of Plan Assets

The table below presents the fair value of Plan assets.

	Quoted	Unquoted	Total
As of December 2024			
Equity funds/indices	\$ 178	\$ —	\$ 178
Gilts and resale/repurchase agreements	1,105	(551)	554
Swaps	—	3	3
Cash and cash equivalents	107	—	107
Other	131	70	201
Total	\$ 1,521	\$ (478)	\$ 1,043
As of December 2023			
Equity funds/indices	\$ 96	\$ —	\$ 96
Gilts and resale/repurchase agreements	1,259	(526)	733
Swaps	—	11	11
Cash and cash equivalents	183	—	183
Other	133	117	250
Total	\$ 1,671	\$ (398)	\$ 1,273

In the table above, other primarily consists of investments in alternative investments and fixed income securities.

Defined Benefit Cost

The table below presents the defined benefit loss/(gain) related to the Plan recognised in the income statement and in other comprehensive income.

\$ in millions	Year Ended December	
	2024	2023
Income statement		
Administrative cost	\$ 3	\$ 3
Interest expense/(income)	3	(2)
Total charged to the income statement	6	1
Other comprehensive income		
Return on Plan assets less than discount rate	257	77
Actuarial loss/(gain) – liability experience	(3)	31
Actuarial loss/(gain) – financial assumptions	(256)	26
Actuarial gain – demographic assumptions	(1)	(16)
Total loss/(gain) recognised in other comprehensive income	(3)	118
Total defined benefit loss	\$ 3	\$ 119

Notes to the Financial Statements

Sensitivity Analysis

The table below presents a sensitivity analysis of Plan liabilities for each significant actuarial assumption.

	Impact to Plan Liabilities			
	Increase in assumption		Decrease in assumption	
	\$ in millions	%	\$ in millions	%
As of December 2024				
0.25% change in discount rate	\$ (59)	(5.2)	\$ 63	5.6
0.25% change in price inflation	\$ 50	4.4	\$ (48)	(4.3)
1 year change in life expectancy	\$ 28	2.5	\$ (29)	(2.6)
As of December 2023				
0.25% change in discount rate	\$ (77)	(5.7)	\$ 83	6.1
0.25% change in price inflation	\$ 65	4.8	\$ (61)	(4.5)
1 year change in life expectancy	\$ 37	2.7	\$ (39)	(2.9)

In the table above, the sensitivities are based on a change in each assumption while holding all other assumptions constant.

There are inherent limitations in the sensitivity analysis, as such idiosyncratic movements are unlikely to occur. The methodology used to calculate the sensitivities is consistent across the two periods presented in the table above.

Nature of Future Cash Flows

Since the Plan's closure to future accruals from March 31, 2016, the company has ceased to make regular contributions into the Plan but will continue to assess the funding requirements of the Plan with the Trustees on a periodic basis.

On a triennial basis, a formal funding valuation of the Plan is performed for the Trustees to assess the funding needs of the Plan. This valuation differs from the actuarial valuation required for accounting purposes due to the use of different assumptions.

The most recent triennial funding valuation of the Plan was performed by a qualified independent actuary as of December 31, 2021, which showed that the Plan had a funding surplus of \$356 million. Since then, the funding position has deteriorated and during 2024, the estimated funding valuation of the Plan decreased from a deficit of \$36 million as of December 2023 to a deficit of \$44 million as of December 2024. The next full triennial funding valuation of the plan will be as at 31 December 2024 with the preliminary results expected to be available in the third quarter of 2025. If the funding valuation shows there is a deficit as of December 31, 2024, the company and the Trustee will agree on a plan to remediate any deficit.

As of December 2024, the company expected \$11 million of benefits to be paid out of the Plan to members in 2025 and as of December 2023, the company expected \$13 million to be paid out of the Plan to members in 2024.

The weighted average duration of Plan liabilities was approximately 23 years as of December 2024 and approximately 25 years as of December 2023.

Note 15.

Deferred Tax Assets

The table below presents the components of the company's deferred tax assets.

\$ in millions	As of December	
	2024	2023
Deferred compensation	\$ 735	\$ 544
Post-retirement benefits	23	22
Property, leasehold improvements and equipment and intangible assets	(142)	(139)
Debt valuation adjustment	27	21
Other temporary differences	16	8
Total	\$ 659	\$ 456

The table below presents changes in each component of the company's deferred tax assets.

\$ in millions	Year ended December	
	2024	2023
Deferred compensation		
Beginning balance	\$ 544	\$ 576
Transfer to the income statement	161	(32)
Other temporary differences	30	—
Ending balance	\$ 735	\$ 544
Post-retirement benefits		
Beginning balance	\$ 22	\$ (11)
Transfer to the income statement	2	—
Transfer to other comprehensive income	(1)	33
Ending balance	\$ 23	\$ 22
Property, leasehold improvements and equipment and intangible assets		
Beginning balance	\$ (139)	\$ (149)
Transfer to the income statement	(3)	10
Ending balance	\$ (142)	\$ (139)
Debt valuation adjustment		
Beginning balance	\$ 21	\$ (31)
Transfer to other comprehensive income	6	52
Ending balance	\$ 27	\$ 21
Other temporary differences		
Beginning balance	\$ 8	\$ —
Transfer to the income statement	8	8
Ending balance	\$ 16	\$ 8
Total		
Beginning balance	\$ 456	\$ 385
Transfer to the income statement (see Note 9)	168	(14)
Transfer to other comprehensive income	5	85
Other temporary differences	30	—
Ending balance	\$ 659	\$ 456

In the tables above, deferred compensation is mainly in respect of share-based compensation. In the current period, the company recognised a deferred tax asset on share-based compensation transferred from a GS Group affiliate.

Notes to the Financial Statements

Note 16.

Interests in Other Entities

The table below presents the subsidiaries over which the company exercised control as of both December 2024 and December 2023.

Name of company	Country of incorporation	Holding and proportion of voting rights	Class of shares held	Shares held	Nature of business
Goldman Sachs (Cayman) Limited	Cayman Islands	100%	Ordinary shares	250	Financial services
Griffin Trust	South Africa	*	*	*	Financial services

* This subsidiary undertaking is controlled other than through voting rights attached to shares.

The registered office addresses of the company's subsidiaries as of December 2024 are:

- Goldman Sachs (Cayman) Limited: the offices of Maples Corporate Services Limited, PO Box 309, Ugland House, Grand Cayman, KY1-1104, Cayman Islands.
- Griffin Trust: 46 6th Street, Houghton Estate, Johannesburg, Gauteng, 2198, South Africa.

The company has interests in a number of special purpose entities and capital guaranteed funds which do not meet the definition of a legal subsidiary, but give rise to the risks and rewards that are, in substance, no different than if they were legal subsidiaries. The activities of these special purpose entities and capital guaranteed funds consist of the issuance of notes backed by financial assets primarily under the terms of a repackaging programme. These special purposes entities and capital guaranteed funds are consolidated in the financial statements of Group Inc.

Unconsolidated Structured Entities

The company has interests in structured entities that it does not control (unconsolidated structured entities), which primarily includes: senior and subordinated debt; derivatives and guarantees. Structured entities generally finance the purchase of assets by issuing debt securities that are either collateralised by or indexed to the assets held by the structured entity. The debt securities issued by a structured entity may include tranches of varying levels of subordination. The company's involvement with structured entities primarily includes the purchase and sale of beneficial interests issued by mortgage-backed structured entities in connection with market-making activities and derivatives the company has entered into with structured entities, such as total return swaps. In certain instances, the company provides guarantees, including derivative guarantees, to unconsolidated structured entities or holders of interests in unconsolidated structured entities.

The table below presents a summary of the unconsolidated structured entities in which the company holds interests.

\$ in millions	As of December	
	2024	2023
Assets in structured entities	\$ 4,130	\$ 4,237
Carrying value of interests - assets	\$ 580	\$ 571
Carrying value of interests - liabilities	\$ (60)	\$ (58)
Maximum exposure to loss	\$ 3,447	\$ 3,938

In the table above:

- The carrying values of the company's interests are included in the balance sheet in trading assets or trading liabilities.
- The company's maximum exposure to loss is mainly a result of derivatives, commitments and guarantees, for which the maximum exposure to loss is the notional amount, which does not represent anticipated losses and also has not been reduced by unrealised losses already recorded. As a result, the maximum exposure to loss exceeds liabilities recorded for derivatives, commitments and guarantees.

Note 17.

Collateralised Financings

The table below presents the company's collateralised financings.

\$ in millions	As of December	
	2024	2023
Repurchase agreements	\$ 116,503	\$ 124,125
Securities loaned	34,805	76,018
Intercompany loans	7,924	7,884
Debt securities issued	425	2,004
Bank loans	1,153	71
Other borrowings	8,886	5,374
Total	\$ 169,696	\$ 215,476

In the table above, intercompany loans, debt securities issued, bank loans and other borrowings are secured by securities which have been pledged as collateral. This pledged collateral is either recognised in trading assets or collateralised agreements.

Note 18.

Customer and Other Payables

The table below presents the company's customer and other payables.

\$ in millions	As of December	
	2024	2023
Payables to broker/dealers and clearing organisations	\$ 1,797	\$ 1,305
Payables to customers and counterparties	105,367	113,896
Total	\$ 107,164	\$ 115,201

In the table above, total customer and other payables primarily consists of cash collateral received in connection with certain derivative transactions, customer credit balances related to the company's prime brokerage activities and balances related to listed derivative activity.

Notes to the Financial Statements

Note 19.

Unsecured Borrowings

The table below presents the company's unsecured borrowings.

\$ in millions	As of December	
	2024	2023
Bank loans	\$ 100	\$ 100
Overdrafts	26	237
Intercompany loans – non-MREL-eligible	18,700	32,474
Intercompany loans – MREL-eligible	18,489	16,791
Debt securities issued	20,949	25,022
Subordinated loans	6,919	6,924
Other borrowings	11,628	8,719
Total	\$ 76,811	\$ 90,267

In the table above:

- Payments on debt securities issued and other borrowings instruments are typically referenced to underlying financial assets, which are predominately interest rates, equities and currencies-related.
- Subordinated loans consists of long-term loans of \$6.88 billion as of both December 2024 and December 2023 from GSG UK and associated accrued interest. These loans are unsecured and carry interest at a variable rate. These loans constitute Tier 2 regulatory capital adjusted for amortisation, where applicable, and are repayable subject to PRA approval. As of December 2024, these loans were repayable between December 26, 2029 and September 9, 2030. In February 2025, the maturity of these loans was extended by 5 years.

Debt Valuation Adjustment

The company calculates the fair value of debt securities issued that are designated at fair value through profit or loss by discounting future cash flows at a rate which incorporates GS Group's credit spreads. The table below presents information about the company's cumulative net pre-tax DVA gains/(losses) on debt securities issued that are designated at fair value through profit or loss, which is included in accumulated other comprehensive income.

\$ in millions	Year Ended December	
	2024	2023
Beginning balance	\$ (76)	\$ 111
Debt valuation adjustment for the year	(31)	(183)
Transfer to retained earnings	10	(4)
Ending balance	\$ (97)	\$ (76)

The table below presents information about the company's DVA gains/(losses) net of tax, realised upon early redemption of certain debt securities issued that are designated at fair value through profit or loss, which are transferred from accumulated other comprehensive income to retained earnings.

\$ in millions	Year Ended December	
	2024	2023
Realised DVA gains/(losses) net of tax	\$ (7)	\$ 3

Hedge Accounting

The company designates certain interest rate swaps as fair value hedges that are used to manage the interest rate exposure of certain fixed-rate unsecured long- and short-term debt. These interest rate swaps hedge changes in fair value attributable to the relevant benchmark interest rate (e.g., EURIBOR), effectively converting fixed-rate obligations into floating-rate obligations.

The table below presents information about hedging instruments, which are classified in derivatives within trading assets and liabilities in the balance sheet.

\$ in millions	As of December	
	2024	2023
Asset carrying value	\$ 7	\$ 2
Liability carrying value	\$ 3	—

The table below presents the notional of hedging instruments by contractual maturity date.

\$ in millions	As of December	
	2024	2023
1 – 3 months	\$ 477	\$ —
3 months – 1 year	27	532
1 – 5 years	697	1,070
Greater than 5 years	878	1,411
Total	\$ 2,079	\$ 3,013

The average fixed rate of the company's hedging instruments was 1.18% for 2024 and 0.97% for 2023.

The table below presents the carrying value of hedged items that are designated in a hedging relationship and the related cumulative hedging adjustment (increase/(decrease)) from current and prior hedging relationships included in such carrying values.

\$ in millions	As of December 2024	Cumulative hedging adjustment	
		Carrying value	
Unsecured short-term borrowings	\$ 506	\$ (1)	
Unsecured long-term borrowings	\$ 1,392	\$ (164)	
As of December 2023			
Unsecured short-term borrowings	\$ 530	\$ —	
Unsecured long-term borrowings	\$ 2,227	\$ (201)	

In addition, cumulative hedging adjustments for items no longer designated in a hedging relationship was \$16 million as of December 2024 and \$6 million as of December 2023.

The table below presents the company's gains/(losses) from interest rate derivatives accounted for as hedges, the related hedged borrowings and the hedge ineffectiveness on these derivatives recognised in net revenues.

\$ in millions	Year Ended December	
	2024	2023
Interest rate hedges	\$ 4	\$ 85
Hedged borrowings	(20)	(99)
Hedge ineffectiveness	\$ (16)	\$ (14)

Notes to the Financial Statements

Note 20.

Other Liabilities

The table below presents the company's other liabilities by type.

\$ in millions	As of December	
	2024	2023
Compensation and benefits	\$ 2,637	\$ 1,981
Income tax-related liabilities	353	294
Lease liabilities	6	7
Accrued expenses and other	1,837	1,877
Total financial liabilities	4,833	4,159
Income tax-related liabilities	281	197
Other taxes and social security costs	478	371
Pension deficit (see Note 14)	83	80
Provisions	1	—
Accrued expenses and other	89	75
Total non-financial liabilities	932	723
Total	\$ 5,765	\$ 4,882

In the table above:

- Accrued expenses and other includes contract liabilities, which represent consideration received by the company in connection with its contracts with customers prior to providing the service. As of both December 2024 and December 2023, contract liabilities were not material.
- In the current period, the company has presented certain accrued expenses and other liabilities as non-financial liabilities. As a result, comparatives have been conformed to the current period presentation to more appropriately present these balances.

Provisions

The table below presents provisions, which are in respect of legal and regulatory proceedings in which the company is involved.

\$ in millions	
As of December 2022	\$ —
Charge during the year	—
Utilised during the year	—
As of December 2023	\$ —
Charge during the year	15
Utilised during the year	(14)
As of December 2024	\$ 1

Note 21.

Share Capital

The table below presents the company's share capital.

	Ordinary shares of \$1 each	\$ in millions
Allotted, called up and fully paid		
As of December 2024	598,182,053	\$ 598
As of December 2023	598,182,053	\$ 598
As of December 2022	598,182,053	\$ 598

Note 22.

Other Equity Instruments

The table below presents information about the company's unsecured AT1 notes.

Month of issuance	Number of AT1 notes	\$ millions	Interest rate
June 2017	3,000	\$ 3,000	9.00% p.a.
November 2018	2,500	2,500	8.67% p.a.
As of December 2024	5,500	\$ 5,500	
June 2017	3,000	\$ 3,000	9.00% p.a.
November 2018	2,500	2,500	8.67% p.a.
As of December 2023	5,500	\$ 5,500	

The company's AT1 notes of \$1 million each have been issued to GSG UK. These AT1 notes have no fixed maturity date and are not callable.

The AT1 notes will be irrevocably written-down in the event that the CET1 capital ratio of the company or the GSG UK Group falls below 7%.

During 2023, the company repurchased and cancelled \$2.80 billion of its AT1 notes at their fair value of \$2.27 billion. The difference between the carrying value and fair value of these repurchased notes of \$527 million was recognised in retained earnings.

In addition, the company paid interest of \$495 million for 2024 and \$643 million for 2023, on its AT1 notes, which was recognised directly in retained earnings. The associated tax effect was recognised in income tax expense.

Note 23.

Dividends and Distributions

During 2024, the company paid cash dividends of \$2.19 billion to GSG UK:

- \$1.02 billion on June 24, 2024, representing \$1.71 per share.
- \$1.16 billion on December 2, 2024, representing \$1.94 per share.

During 2023, the company paid cash dividends of \$1.68 billion to GSG UK:

- \$655 million on May 31, 2023, representing \$1.09 per share.
- \$1.03 billion on November 30, 2023, representing \$1.72 per share.

In addition, during 2023, the company made a non-cash distribution of \$1.42 billion to GSG UK, for the consideration it received from the transfer of its U.K. asset management business.

Notes to the Financial Statements

Note 24.

Statement of Cash Flows Reconciliations

The table below presents the company's cash and cash equivalents, net of overdrafts for the purpose of the statement of cash flows. Overdrafts have been included as they are a part of the company's cash management.

\$ in millions	As of December	
	2024	2023
Cash and cash equivalents	\$ 11,601	\$ 35,689
Overdrafts (see Note 19)	(26)	(237)
Total	\$ 11,575	\$ 35,452

In the table above, cash and cash equivalents included cash that is restricted for use by the company of \$2.78 billion as of December 2024 and \$2.23 billion as of December 2023.

Reconciliation of Cash Flows From Operating Activities

The table below presents a reconciliation of cash flows from/(used in) operating activities.

\$ in millions	Year Ended December	
	2024	2023
Profit before taxation	\$ 3,673	\$ 5,066
Adjustments for		
Depreciation and amortisation (see Note 6)	264	264
Loss on disposal of property, leasehold improvements and equipment and intangible assets	3	2
Charge for defined benefit plan (see Note 14)	6	1
Foreign exchange gains	(311)	(1,566)
Share-based compensation expense	1,240	606
Provisions (see Note 20)	15	—
Interest on subordinated loans and MREL-eligible intercompany loans	1,821	1,657
Gains on investments	(42)	(25)
Gain related to transfer of U.K. asset management business	—	(1,424)
Cash generated before changes in operating assets and liabilities	6,669	4,581
Changes in operating assets		
Decrease/(increase) in collateralised agreements	70,271	(27,021)
Decrease/(increase) in customer and other receivables	(3,998)	6,079
Decrease in trading assets	2,280	44,448
Decrease/(increase) in other assets	160	(93)
Changes in operating assets	68,713	23,413
Changes in operating liabilities		
Increase/(decrease) in collateralised financings	(45,780)	90,741
Increase/(decrease) in customer and other payables	(8,037)	4,218
Decrease in trading liabilities	(26,389)	(106,703)
Increase/(decrease) in unsecured borrowings	(14,970)	12,178
Decrease in other liabilities	(894)	(756)
Changes in operating liabilities	(96,070)	(322)
Cash generated from/(used in) operations	\$ (20,688)	\$ 27,672

In the table above:

- Cash generated from/(used in) operations included interest paid of \$24.46 billion for 2024 and \$22.54 billion for 2023, and interest received of \$24.94 billion for 2024 and \$21.09 billion for 2023. Comparatives have been restated to update interest paid and interest received for 2023 (see Note 5).
- Foreign exchange gains primarily relate to the non-cash revaluation of British pounds and Euro cash balances, primarily held in central banks for liquidity management purposes. The revaluation of cash balances and other monetary assets and liabilities is recognised in profit before taxation.

Reconciliation of Cash Flows From Financing Activities Excluding Lease Liabilities

The company includes MREL-eligible borrowings as financing activity for the purposes of its statement of cash flows, which consists of its AT1 notes, subordinated loans and MREL-eligible intercompany loans. Both the principal and interest related to these borrowings are classified as financing activities. The table below presents a reconciliation of cash flows from financing activities excluding lease liabilities.

\$ in millions	Subordinated loans and MREL-eligible intercompany loans		AT1 notes	Total
As of December 2022	\$ 22,181	\$ 8,300	\$ 30,481	
Repurchase	—	(2,273)	(2,273)	
Issuance	1,500	—	1,500	
Interest charged	1,657	643	2,300	
Interest paid	(1,623)	(643)	(2,266)	
Other	—	(527)	(527)	
As of December 2023	23,715	5,500	29,215	
Repurchase	—	—	—	
Issuance	1,700	—	1,700	
Interest charged	1,821	495	2,316	
Interest paid	(1,828)	(495)	(2,323)	
Other	—	—	—	
As of December 2024	\$ 25,408	\$ 5,500	\$ 30,908	

In the table above, other relates to the difference between the carrying value and fair value of the \$2.80 billion of AT1 notes that the company repurchased during 2023.

Note 25.

Financial Commitments and Contingencies

Commitments

The table below presents commitments.

\$ in millions	As of December	
	2024	2023
Collateralised agreements	\$ 122,370	\$ 143,596
Collateralised financings	69,340	45,173
Other	2,759	3,372
Total	\$ 194,469	\$ 192,141

Collateralised agreements commitments includes forward starting resale and securities borrowing agreements, and collateralised financings commitments includes forward starting repurchase and secured lending agreements that settle at a future date, generally within three business days. Collateralised agreements commitments also include transactions where the company has entered into commitments to provide contingent financing to its clients and counterparties through resale agreements. The company's funding of these commitments depends on the satisfaction of all contractual conditions to the resale agreement and these commitments can expire unused.

Other commitments primarily relate to collateral commitments as of December 2024 and collateral, underwriting and lending commitments as of December 2023.

In addition, there are registered charges on the company's assets which have arisen in the ordinary course of business.

Notes to the Financial Statements

Legal Proceedings

The company is involved in a number of judicial, regulatory and arbitration proceedings (including those described below) concerning matters arising in connection with the conduct of the company's business. For any matter where a provision has not been recognised and for which there is a possible financial impact, it is not practicable to reliably estimate the possible financial impact, except as noted in the first matter below.

Banco Espírito Santo S.A. and Oak Finance. In December 2014, September 2015 and December 2015, the Bank of Portugal (BoP) rendered decisions to reverse an earlier transfer to Novo Banco of an \$835 million facility agreement (the Facility), structured by the company, between Oak Finance Luxembourg S.A. (Oak Finance), a special purpose vehicle formed in connection with the Facility, and Banco Espírito Santo S.A. (BES) prior to the failure of BES. In response, the company and, with respect to the BoP's December 2015 decision, Goldman Sachs International Bank commenced actions beginning in February 2015 against Novo Banco S.A. (Novo Banco) in the English Commercial Court and the BoP in the Portuguese Administrative Court. In July 2018, the English Supreme Court found that the English courts will not have jurisdiction over the company's action unless and until the Portuguese Administrative Court finds against BoP in the company's parallel action. In July 2018, the Liquidation Committee for BES issued a decision seeking to claw back from the company \$54 million paid to the company and \$50 million allegedly paid to Oak Finance in connection with the Facility, alleging that the company acted in bad faith in extending the Facility, including because the company allegedly knew that BES was at risk of imminent failure. In October 2018, the company commenced an action in the Lisbon Commercial Court challenging the Liquidation Committee's decision and has since also issued a claim against the Portuguese State seeking compensation for losses of approximately \$222 million related to the failure of BES, together with a contingent claim for the \$104 million sought by the Liquidation Committee. On April 11, 2023, GSI commenced administrative proceedings against the BoP, seeking the nullification of the BoP's September 2015 and December 2015 decisions on new grounds.

Interest Rate Swap Antitrust Litigation. The company is among the defendants named in a putative antitrust class action relating to the trading of interest rate swaps, filed in November 2015 and consolidated in the U.S. District Court for the Southern District of New York. The company is also among the defendants named in two antitrust actions relating to the trading of interest rate swaps, commenced in April 2016 and June 2018, respectively, in the U.S. District Court for the Southern District of New York by three operators of swap execution facilities and certain of their affiliates. These actions have been consolidated for pretrial proceedings. The complaints generally assert claims under federal antitrust law and state common law in connection with an alleged conspiracy among the defendants to preclude exchange trading of interest rate swaps. The complaints in the individual actions also assert claims under state antitrust law. The complaints seek declaratory and injunctive relief, as well as treble damages in an unspecified amount. Defendants moved to dismiss the class and the first individual action and the district court dismissed the state common law claims asserted by the plaintiffs in the first individual action and otherwise limited the state common law claim in the putative class action and the antitrust claims in both actions to the period from 2013 to 2016. On November 20, 2018, the court granted in part and denied in part the defendants' motion to dismiss the second individual action, dismissing the state common law claims for unjust enrichment and tortious interference, but denying dismissal of the federal and state antitrust claims. On March 13, 2019, the court denied the plaintiffs' motion in the putative class action to amend their complaint to add allegations related to conduct from 2008 to 2012, but granted the motion to add limited allegations from 2013 to 2016, which the plaintiffs added in a fourth consolidated amended complaint filed on March 22, 2019. On December 15, 2023, the court denied the plaintiffs' motion for class certification, and on December 28, 2023, the plaintiffs filed a petition with the U.S. Court of Appeals for the Second Circuit seeking interlocutory review of the district court's denial of class certification. On July 11, 2024, the court preliminarily approved a settlement among the plaintiffs and certain defendants, including GSI and certain of its affiliates, to resolve the class action. GSI Group has paid the full amount of its proposed contribution to the settlement into an escrow account. GSI is not required to contribute to the settlement. The individual actions remain pending.

Notes to the Financial Statements

Commodities-Related Litigation. The company is among the defendants named in putative class actions relating to trading in platinum and palladium, filed beginning on November 25, 2014 and most recently amended on May 15, 2017, in the U.S. District Court for the Southern District of New York. The amended complaint generally alleges that the defendants violated federal antitrust laws and the Commodity Exchange Act in connection with an alleged conspiracy to manipulate a benchmark for physical platinum and palladium prices and seek declaratory and injunctive relief, as well as treble damages in an unspecified amount. On March 29, 2020, the court granted the defendants' motions to dismiss and for reconsideration, resulting in the dismissal of all claims, and on February 27, 2023, the U.S. Court of Appeals for the Second Circuit reversed the district court's dismissal of certain plaintiffs' antitrust claims and vacated the district court's dismissal of the plaintiffs' Commodity Exchange Act claim. On April 12, 2023, the defendants' petition for rehearing or rehearing en banc with the U.S. Court of Appeals for the Second Circuit was denied. On July 21, 2023, the defendants filed a motion for judgement on the pleadings. On January 17, 2025, the court approved a settlement to resolve this action. The company paid the full amount of its contribution to the settlement into an escrow account in 2024.

Credit Default Swap Antitrust Litigation. The company is among the defendants named in a putative antitrust class action relating to the settlement of credit default swaps, filed on June 30, 2021 in the U.S. District Court for the District of New Mexico. The complaint generally asserts claims under federal antitrust law and the Commodity Exchange Act in connection with an alleged conspiracy among the defendants to manipulate the benchmark price used to value credit default swaps for settlement. The complaint also asserts a claim for unjust enrichment under state common law. The complaint seeks declaratory and injunctive relief, as well as unspecified amounts of treble and other damages. On November 15, 2021, the defendants filed a motion to dismiss the complaint. On February 4, 2022, the plaintiffs filed an amended complaint and voluntarily dismissed Group Inc. from the action. On June 5, 2023, the court dismissed the claims against certain foreign defendants for lack of personal jurisdiction but denied the defendants' motion to dismiss with respect to Goldman Sachs & Co. LLC, the company and the remaining defendants. On January 24, 2024, the court granted the defendants' motion to stay the proceedings pending the resolution of the motion filed by the defendants on November 3, 2023 in the U.S. District Court for the Southern District of New York to enforce a 2015 settlement and release among the parties. On January 26, 2024, the U.S. District Court for the Southern District of New York granted the defendants' motion to enforce the settlement and release and enjoined the plaintiffs from pursuing any claims against the defendants in the New Mexico action for any alleged violation of law based on conduct before June 30, 2014, and on February 23, 2024, the plaintiffs appealed to the U.S. Court of Appeals for the Second Circuit.

Notes to the Financial Statements

Regulatory Investigations and Reviews and Related Litigation

Group Inc. and certain of its affiliates, including the company, are subject to a number of other investigations and reviews by, and in some cases, have received subpoenas and requests for documents and information from, various governmental and regulatory bodies and self-regulatory organisations and litigation relating to various matters relating to GS Group's businesses and operations, including:

- The securities offering process and underwriting practices;
- Investment management and financial advisory services;
- Conflicts of interest;
- Transactions involving government-related financings and other matters;
- The offering, auction, sales, trading and clearance of corporate and government securities, currencies, commodities and other financial products and related sales and other communications and activities, as well as GS Group's supervision and controls relating to such activities, including compliance with applicable short sale rules, algorithmic, high-frequency and quantitative trading, futures trading, options trading, when-issued trading, transaction and regulatory reporting, technology systems and controls, securities lending practices, prime brokerage activities, trading and clearance of credit derivative instruments and interest rate swaps, commodities activities and metals storage, private placement practices, allocations of and trading in securities, and trading activities and communications in connection with the establishment of benchmark rates, such as currency rates;
- Compliance with the U.K. Bribery Act and the U.S. Foreign Corrupt Practices Act;
- Hiring and compensation practices;
- System of risk management and controls; and
- Insider trading, the potential misuse and dissemination of material non-public information regarding corporate and governmental developments and the effectiveness of insider trading controls and information barriers.

In addition, investigations, reviews and litigation involving the company's affiliates and such affiliates' businesses and operations, including various matters referred to above but also other matters, may have an impact on the company's businesses and operations.

Note 26.

Maturity of Assets and Liabilities

The table below presents the expected maturity of the company's assets and liabilities.

	Non-current	Current	Total
As of December 2024			
Assets			
Cash and cash equivalents	\$ —	\$ 11,601	\$ 11,601
Collateralised agreements	913	191,633	192,546
Customer and other receivables	—	76,886	76,886
Trading assets	—	826,082	826,082
Other assets	1,735	2,024	3,759
Total assets	\$ 2,648	\$ 1,108,226	\$ 1,110,874
Liabilities			
Collateralised financings	\$ 71,763	\$ 97,933	\$ 169,696
Customer and other payables	—	107,164	107,164
Trading liabilities	—	711,221	711,221
Unsecured borrowings	56,631	20,180	76,811
Other liabilities	1,669	4,096	5,765
Total liabilities	\$ 130,063	\$ 940,594	\$ 1,070,657
As of December 2023			
Assets			
Cash and cash equivalents	\$ —	\$ 35,689	\$ 35,689
Collateralised agreements	1,249	261,568	262,817
Customer and other receivables	—	72,888	72,888
Trading assets	—	828,362	828,362
Other assets	1,851	1,948	3,799
Total assets	\$ 3,100	\$ 1,200,455	\$ 1,203,555
Liabilities			
Collateralised financings	\$ 55,225	\$ 160,251	\$ 215,476
Customer and other payables	—	115,201	115,201
Trading liabilities	—	737,610	737,610
Unsecured borrowings	71,100	19,167	90,267
Other liabilities	1,128	3,754	4,882
Total liabilities	\$ 127,453	\$ 1,035,983	\$ 1,163,436

In the table above:

- Current assets and liabilities include amounts that the company expects to realise or settle in its normal operating cycle and includes assets and liabilities held for trading purposes and cash and cash equivalents.
- Non-current assets are amounts that the company expects to be recovered after more than twelve months and primarily includes certain collateralised agreements, certain investments, certain loans, intangible assets, deferred tax assets, pension surplus and certain intercompany loans.
- Non-current liabilities are amounts that the company expects to be settled after more than twelve months and primarily includes collateralised financings and unsecured borrowings with contractual maturities greater than one year, with the exception of contracts that have trigger events that are not in the control of the company, which are classified as current.

Notes to the Financial Statements

Note 27.

Related Party Disclosures

Parties are considered to be related if one party has the ability to directly or indirectly control the other party or exercise significant influence over the party in making financial or operational decisions. The company's related parties include:

- The company's parent entities;
- Other GS Group affiliates;
- Key management personnel of the company;
- Key management personnel of the company's parent entities; and
- Other related parties, which includes the company's defined benefit scheme and associates of GS Group.

Key management personnel are defined as those persons having authority and responsibility for planning, directing and controlling the activities of the company. Key management personnel of the company include the directors of the company, members of the EMC who are employees of the company and members of senior management who are designated as managers under the PRA and FCA's Senior Managers and Certification Regime.

Key Management Compensation

The table below presents the compensation paid or payable by the company for employee services to key management personnel of the company and its parent entities.

\$ in millions	Year Ended December	
	2024	2023
Salaries and other short-term benefits	\$ 105	\$ 146
Post-employment benefits	1	1
Share-based compensation	355	162
Total	\$ 461	\$ 309

In the table above:

- Salaries and other short-term benefits includes fees paid to the non-executive directors of the company.
- Share-based compensation included a charge of \$215 million for 2024 and a charge of \$72 million for 2023 representing changes in the fair value of share-based payment awards recharged from Group Inc. during the year.

Directors' Emoluments

In accordance with the Companies Act 2006, directors' emoluments represent the proportion of total emoluments paid or payable in respect of qualifying services only. This total only includes the value of cash and benefits in kind, and does not include the value of equity awards in accordance with the provisions of Schedule 5 of the Statutory Instruments 2008/410. Directors also receive emoluments for non-qualifying services which are not required to be disclosed.

The table below presents the company's directors' emoluments.

\$ in millions	Year Ended December	
	2024	2023
Aggregate emoluments	\$ 5	\$ 7
Company pension contributions to money purchase schemes	—	—
Total	\$ 5	\$ 7

The table below presents emoluments for the highest paid company's director.

\$ in millions	Year Ended December	
	2024	2023
Aggregate emoluments	\$ 2	\$ 3
Company pension contributions to money purchase schemes	\$ —	\$ —
Accrued annual pension at end of the year	\$ —	\$ —

Two directors were members of a defined contribution pension scheme and one director was a member of both a defined contribution pension scheme and a defined benefit pension scheme for 2024 (2023: two directors were members of a defined contribution pension scheme and one director was a member of both a defined contribution pension scheme and a defined benefit pension scheme). Three directors including the highest paid director for 2024 (2023: three directors including the highest paid director) have received or are due to receive Group Inc. shares in respect of long-term incentive schemes.

The aggregate emoluments of the seven non-executive directors for 2024 (2023: nine non-executive directors) who were members of the Board for all or part of 2024 was approximately \$1.2 million (for all or part of 2023: approximately \$1.4 million). Additional ongoing fees in respect of advisory services provided by certain non-executive directors was approximately \$0.1 million for 2024 (2023: approximately \$0.2 million).

Notes to the Financial Statements

Transactions with Related Parties

The company's transactions with related parties primarily include the following.

Risk Management and Market-Making Activity

The company routinely enters into derivatives and buys and sells securities and loans with related parties for risk management and market-making purposes, which are recognised in trading assets and trading liabilities.

The table below presents the company's outstanding derivatives with related parties, substantially all of which are with other GS Group affiliates. The change in derivative assets and derivative liabilities is driven by new trades, terminations, expiries and gains or losses, including any associated cash flows.

\$ in millions	Derivative assets	Derivative liabilities
As of December 2024	\$ 530,188	\$ 507,872
As of December 2023	\$ 508,547	\$ 490,225
As of December 2022	\$ 585,390	\$ 582,060
December 2024 versus December 2023	\$ 21,641	\$ 17,647
December 2023 versus December 2022	\$ (76,843)	\$ (91,838)

The table below presents the company's gross outstanding buys and sells of regular-way securities and loans from/to other GS Group affiliates.

\$ in millions	As of December	
	2024	2023
Outstanding regular-way buys of securities and loans	\$ 11,730	\$ 11,483
Outstanding regular-way sells of securities and loans	\$ 11,613	\$ 10,927

The company also holds securities in, and makes corporate loans to other GS Group affiliates, which are classified in trading assets. The company also exchanges cash and security collateral in connection with derivative transactions. Cash collateral received is recognised in customer and other payables. Cash collateral paid is recognised in customer and other receivables. The company posted security collateral to related parties of \$3.55 billion as of December 2024 and \$13.00 billion as of December 2023.

In addition, the company also executes and intermediates listed derivatives with other GS Group affiliates, resulting in the exchange of margin, which is recognised in customer and other receivables and customer and other payables.

The company has also received securities of \$80 million as of December 2024 and \$121 million as of December 2023 from a subsidiary under a securities lending agreement.

Funding Activity

The company routinely enters into collateralised agreements and collateralised financings with GS Group affiliates, primarily to source securities and fund inventory on a secured basis.

In addition, a significant portion of the company's unsecured borrowings is from GS Group affiliates, including the company's AT1 notes issued to GSG UK. See Notes 19 and 22 for further details. The company has also made loans to certain GS Group affiliates. See Note 13 for further details.

Interest-bearing instruments are typically priced based on the term, currency, size, subordination and whether the instrument is secured or unsecured.

Cash Management Services

The company receives cash management services from other GS Group affiliates and places cash deposits with them in the normal course of business which is recognised in cash and cash equivalents.

Commitments and Guarantees

The table below presents the company's commitments with other GS Group affiliates.

\$ in millions	As of December	
	2024	2023
Collateralised agreements	\$ 94,929	\$ 103,469
Collateralised financings	55,377	36,514
Other	—	218
Total	\$ 150,306	\$ 140,201

Other commitments related to an underwriting commitment as of December 2023.

The company has received a guarantee from Group Inc. related to transactions entered into with certain of its counterparties for up to \$8 billion of exposure at default. During 2024 and 2023, the guarantee was unutilised.

Transfer Pricing and Management Charges

The company participates in the allocation of net revenues among GS Group affiliates for their involvement in GS Group's business activities. In addition, the company incurs/receives management charges to/from GS Group affiliates relating to operational and administrative support and management services.

Taxation

The company receives group relief from other GS Group affiliates. The company received tax-effected losses from other GS Group affiliates of \$251 million for 2024 and \$231 million for 2023 for which consideration will be paid in full.

Share-Based Payments

The company has entered into a chargeback agreement with Group Inc. under which it is committed to pay to Group Inc. (a) the grant-date fair value of those awards and (b) subsequent movements in the fair value of those awards between the grant date and ultimate delivery to employees (subsequent to the vesting date). See Notes 7 and 8 for further information.

Transactions with Key Management Personnel

Certain key management personnel and their close family members have brokerage and/or discretionary accounts at the company. They are provided services in the ordinary course of business on commercial terms, and in each case in compliance with the relevant laws and regulations.

Notes to the Financial Statements

Close family members of certain key management personnel are employed by the company. The amount of compensation paid to the family members was determined in accordance with the company's standard compensation practices applicable to similarly-situated employees.

Transfer of U.K. Asset Management Business

On April 1, 2023, the company transferred its U.K. asset management business to GSAMI and received a non-controlling interest in GSAMI's immediate parent undertaking, which was measured at fair value through profit or loss. As a result, in 2023, the company recognised a gain of \$1.42 billion in net revenues and made an equivalent distribution of the total consideration received.

Related Party Assets and Liabilities

The table below presents the company's assets and liabilities with related parties.

	Parent entities	Other GS Group affiliates	Other related parties	Total
\$ in millions				
As of December 2024				
Assets				
Cash and cash equivalents	\$ —	\$ 1,368	\$ —	\$ 1,368
Collateralised agreements	—	124,300	—	124,300
Customer and other receivables	249	25,758	4	26,011
Trading assets	1,889	535,940	1	537,830
Other assets	162	1,762	—	1,924
Total assets	\$ 2,300	\$ 689,128	\$ 5	\$ 691,433
Liabilities				
Collateralised financings	\$ —	\$ 101,215	\$ —	\$ 101,215
Customer and other payables	17	32,446	—	32,463
Trading liabilities	1,205	506,744	—	507,949
Unsecured borrowings	29,915	18,023	—	47,938
Other liabilities	2,476	1,661	—	4,137
Total liabilities	\$ 33,613	\$ 660,089	\$ —	\$ 693,702
As of December 2023				
Assets				
Cash and cash equivalents	\$ —	\$ 1,359	\$ —	\$ 1,359
Collateralised agreements	—	187,769	—	187,769
Customer and other receivables	148	15,459	11	15,618
Trading assets	2,048	514,404	—	516,452
Other assets	263	1,856	—	2,119
Total assets	\$ 2,459	\$ 720,847	\$ 11	\$ 723,317
Liabilities				
Collateralised financings	\$ —	\$ 148,582	\$ —	\$ 148,582
Customer and other payables	100	31,535	—	31,635
Trading liabilities	929	489,370	11	490,310
Unsecured borrowings	32,384	27,257	—	59,641
Other liabilities	1,950	1,530	—	3,480
Total liabilities	\$ 35,363	\$ 698,274	\$ 11	\$ 733,648

Related Party Income and Expense

The table below presents the company's income and expenses related to transactions with related parties other than Key Management Personnel.

	Parent entities	Other GS Group affiliates	Other related parties	Total
\$ in millions				
Year Ended December 2024				
Net revenues				
Interest income	\$ 74	\$ 12,389	\$ —	\$ 12,463
Interest expense	(2,266)	(12,909)	—	(15,175)
Transfer pricing revenues	—	(1,067)	—	(1,067)
Other income	—	—	—	—
Total net revenues	\$ (2,192)	\$ (1,587)	\$ —	\$ (3,779)
Net operating expenses				
Transaction based	\$ —	\$ 290	\$ —	\$ 290
Management charges from GS Group affiliates	—	1,050	—	1,050
Management charges to GS Group affiliates	(2)	(364)	—	(366)
Other expenses	—	568	—	568
Total net operating expenses	\$ (2)	\$ 1,544	\$ —	\$ 1,542
Year Ended December 2023				
Net revenues				
Interest income	\$ 270	\$ 8,634	\$ —	\$ 8,904
Interest expense	(2,234)	(11,406)	—	(13,640)
Transfer pricing revenues	—	350	—	350
Other income	—	19	—	19
Total net revenues	\$ (1,964)	\$ (2,403)	\$ —	\$ (4,367)
Net operating expenses				
Transaction based	\$ —	\$ 218	\$ —	\$ 218
Management charges from GS Group affiliates	—	1,140	—	1,140
Management charges to GS Group affiliates	(4)	(315)	—	(319)
Other expenses	1	575	—	576
Total net operating expenses	\$ (3)	\$ 1,618	\$ —	\$ 1,615

In the table above, transaction based and other expenses primarily include IFRS 15 expenses.

Notes to the Financial Statements

Note 28.

Financial Instruments

Financial Assets and Liabilities by Category

The tables below present the carrying value of company's financial assets and liabilities by category.

\$ in millions	Financial Assets		
	Mandatorily at fair value	Amortised cost	Total
As of December 2024			
Cash and cash equivalents	\$ —	\$ 11,601	\$ 11,601
Collateralised agreements	71,594	120,952	192,546
Customer and other receivables	—	76,886	76,886
Trading assets	826,082	—	826,082
Other assets	429	1,874	2,303
Total	\$ 898,105	\$ 211,313	\$ 1,109,418
As of December 2023			
Cash and cash equivalents	\$ —	\$ 35,689	\$ 35,689
Collateralised agreements	138,889	123,928	262,817
Customer and other receivables	—	72,888	72,888
Trading assets	828,362	—	828,362
Other assets	610	2,014	2,624
Total	\$ 967,861	\$ 234,519	\$ 1,202,380

\$ in millions	Financial Liabilities			
	Held for trading	Designated at fair value	Amortised cost	Total
As of December 2024				
Collateralised financings	\$ —	\$ 86,015	\$ 83,681	\$ 169,696
Customer and other payables	—	—	107,164	107,164
Trading liabilities	711,221	—	—	711,221
Unsecured borrowings	—	44,706	32,105	76,811
Other liabilities	—	—	4,833	4,833
Total	\$ 711,221	\$ 130,721	\$ 227,783	\$ 1,069,725
As of December 2023				
Collateralised financings	\$ —	\$ 106,784	\$ 108,692	\$ 215,476
Customer and other payables	—	—	115,201	115,201
Trading liabilities	737,610	—	—	737,610
Unsecured borrowings	—	54,653	35,614	90,267
Other liabilities	—	—	4,159	4,159
Total	\$ 737,610	\$ 161,437	\$ 263,666	\$ 1,162,713

In the table above, certain of the company's unsecured borrowings that have been measured at amortised cost were previously disclosed as designated at fair value. As of December 2023, \$283 million of unsecured borrowings have been moved from designated at fair value to amortised cost to more appropriately present these balances. These financial instruments were previously presented in level 2 in the fair value hierarchy and have now been appropriately presented in non-current financial liabilities that are not measured at fair value in Note 29.

Offsetting of Financial Assets and Liabilities

The tables below present financial assets and liabilities that are subject to enforceable netting agreements and offsetting. Amounts are only offset in the balance sheet when the company currently has a legally enforceable right to set-off the recognised amounts and an intention either to settle on a net basis, or to realise the asset and settle the liability simultaneously. In the tables below:

- Gross amounts exclude the effects of both counterparty netting and collateral, and therefore are not representative of the company's economic exposure.
- Amounts not offset in the balance sheet include counterparty netting (i.e., the netting of financial assets and liabilities for a given counterparty when a legal right of set-off exists under an enforceable netting agreement), and cash and security collateral received and posted under enforceable credit support agreements, that do not meet the criteria for offsetting under IFRS.
- Gross amounts for the company included derivative assets of \$4.53 billion and derivative liabilities of \$4.25 billion as of December 2024 and derivative assets of \$3.83 billion and derivative liabilities of \$4.18 billion as of December 2023 which are not subject to an enforceable netting agreement or are subject to a netting agreement that the company has not yet determined to be enforceable. The collateral received or posted in connection with such derivative agreements has not been included in the amounts not offset in the balance sheet.
- Substantially all resale agreements and securities borrowed within collateralised agreements and repurchase agreements and securities loaned within collateralised financings are subject to enforceable netting agreements as of both December 2024 and December 2023.
- During 2024, as permitted under the rules of a clearing organisation in EMEA, the company elected to settle its transactions with this clearing organisation on a daily basis. The impact of reflecting transactions with this clearing organisation as settled would have been a reduction in gross derivative assets of \$35.29 billion and a reduction in gross derivative liabilities of \$35.11 billion as of December 2023, and a corresponding decrease in counterparty and cash collateral netting, with no impact to the net amount in the table below.

Notes to the Financial Statements

\$ in millions	Amounts not offset in the balance sheet						
	Gross amounts	Amounts offset in the balance sheet	Net amount presented in the balance sheet	Counterparty netting	Cash collateral	Security collateral	Net amount
As of December 2024							
Financial assets							
Collateralised agreements	\$ 320,509	\$ (127,963)	\$ 192,546	\$ (65,699)	\$ (382)	\$ (123,338)	\$ 3,127
Customer and other receivables	94,689	(27,804)	66,885	(10,081)	(26,238)	(11,066)	19,500
Trading cash instruments	21,109	(10,051)	11,058	(2,211)	(2,774)	(5,480)	593
Derivatives	695,795	(16,428)	679,367	(608,922)	(34,285)	(10,416)	25,744
Trading assets	716,904	(26,479)	690,425	(611,133)	(37,059)	(15,896)	26,337
Other assets	1,899	(1,217)	682	(158)	—	(117)	407
Financial assets subject to enforceable netting agreements	1,134,001	(183,463)	950,538	(687,071)	(63,679)	(150,417)	49,371
Financial assets not subject to enforceable netting agreements	158,880	—	158,880	—	—	—	158,880
Total financial assets	\$ 1,292,881	\$ (183,463)	\$ 1,109,418	\$ (687,071)	\$ (63,679)	\$ (150,417)	\$ 208,251
Financial liabilities							
Collateralised financings	\$ 287,843	\$ (127,997)	\$ 159,846	\$ (68,649)	\$ (2,502)	\$ (85,198)	\$ 3,497
Customer and other payables	124,100	(27,280)	96,820	(10,081)	(37,440)	(23,433)	25,866
Trading cash instruments	—	—	—	—	—	—	—
Derivatives	672,914	(16,952)	655,962	(605,961)	(23,381)	(4,902)	21,718
Trading liabilities	672,914	(16,952)	655,962	(605,961)	(23,381)	(4,902)	21,718
Unsecured borrowings	21,482	(11,020)	10,462	(2,222)	(356)	—	7,884
Other liabilities	862	(214)	648	(158)	—	—	490
Financial liabilities subject to enforceable netting agreements	1,107,201	(183,463)	923,738	(687,071)	(63,679)	(113,533)	59,455
Financial liabilities not subject to enforceable netting agreements	145,987	—	145,987	—	—	—	145,987
Total financial liabilities	\$ 1,253,188	\$ (183,463)	\$ 1,069,725	\$ (687,071)	\$ (63,679)	\$ (113,533)	\$ 205,442
As of December 2023							
Financial assets							
Collateralised agreements	\$ 387,810	\$ (124,993)	\$ 262,817	\$ (95,063)	\$ (112)	\$ (165,128)	\$ 2,514
Customer and other receivables	91,084	(30,182)	60,902	(7,432)	(27,560)	(13,338)	12,572
Trading cash instruments	18,910	(7,711)	11,199	(1,491)	(3,070)	(5,593)	1,045
Derivatives	705,666	(9,966)	695,700	(629,932)	(37,504)	(9,179)	19,085
Trading assets	724,576	(17,677)	706,899	(631,423)	(40,574)	(14,772)	20,130
Other assets	2,072	(1,426)	646	(93)	—	(117)	436
Financial assets subject to enforceable netting agreements	1,205,542	(174,278)	1,031,264	(734,011)	(68,246)	(193,355)	35,652
Financial assets not subject to enforceable netting agreements	171,116	—	171,116	—	—	—	171,116
Total financial assets	\$ 1,376,658	\$ (174,278)	\$ 1,202,380	\$ (734,011)	\$ (68,246)	\$ (193,355)	\$ 206,768
Financial liabilities							
Collateralised financings	\$ 328,763	\$ (125,016)	\$ 203,747	\$ (96,100)	\$ (2,212)	\$ (103,096)	\$ 2,339
Customer and other payables	135,726	(30,207)	105,519	(7,432)	(40,686)	(29,490)	27,911
Trading cash instruments	—	—	—	—	—	—	—
Derivatives	681,801	(9,941)	671,860	(627,986)	(25,263)	(3,928)	14,683
Trading liabilities	681,801	(9,941)	671,860	(627,986)	(25,263)	(3,928)	14,683
Unsecured borrowings	14,540	(9,066)	5,474	(2,400)	(85)	—	2,989
Other liabilities	669	(48)	621	(93)	—	—	528
Financial liabilities subject to enforceable netting agreements	1,161,499	(174,278)	987,221	(734,011)	(68,246)	(136,514)	48,450
Financial liabilities not subject to enforceable netting agreements	175,492	—	175,492	—	—	—	175,492
Total financial liabilities	\$ 1,336,991	\$ (174,278)	\$ 1,162,713	\$ (734,011)	\$ (68,246)	\$ (136,514)	\$ 223,942

Notes to the Financial Statements

Collateral Received and Pledged

The company receives cash and securities (e.g., government and agency obligations, corporate debt securities, equity securities) as collateral, primarily in connection with resale agreements, securities borrowed, derivative transactions and customer margin loans. The company obtains cash and securities as collateral on an upfront or contingent basis for derivatives and collateralised agreements to reduce its credit exposure to individual counterparties.

In many cases, the company is permitted to deliver or repledge financial instruments received as collateral when entering into repurchase agreements and securities lending agreements, primarily in connection with secured client financing activity. The company is also permitted to deliver or repledge these financial instruments in connection with other secured financings, collateralised derivative transactions and meeting company or customer settlement requirements.

The company also pledges certain trading assets in connection with repurchase agreements, securities lending agreements and other secured financings to counterparties who may or may not have the right to deliver or repledge them.

The table below presents the fair value of financial instruments received as collateral that were available to be delivered or repledged, and that were delivered or repledged.

\$ in millions	As of December	
	2024	2023
Collateral available to be delivered or repledged	\$ 722,040	\$ 702,507
Collateral that was delivered or repledged	\$ 660,537	\$ 655,098

The table below presents information about the fair value of assets pledged.

\$ in millions	As of December	
	2024	2023
Pledged to counterparties that had the right to deliver or repledge		
Trading assets	\$ 65,392	\$ 58,352
Other assets	\$ —	\$ 25
Pledged to counterparties that did not have the right to deliver or repledge		
Trading assets	\$ 35,766	\$ 38,255
Other assets	\$ —	\$ 20

The company has received cash collateral of \$62.32 billion as of December 2024 and \$67.84 billion as of December 2023, and posted cash collateral of \$55.04 billion as of December 2024 and \$46.83 billion as of December 2023. Amounts received and posted are mainly in respect of trading assets and trading liabilities.

Note 29.

Fair Value Measurement

The fair value of a financial instrument is the amount that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Financial assets are marked to bid prices and financial liabilities are marked to offer prices. Fair value measurements do not include transaction costs. The company measures certain financial assets and liabilities as a portfolio (i.e., based on its net exposure to market and/or credit risks).

IFRS has a three-level hierarchy for disclosure of fair value measurements. This hierarchy prioritises inputs to the valuation techniques used to measure fair value, giving the highest priority to level 1 inputs and the lowest priority to level 3 inputs. A financial instrument's level in this hierarchy is based on the lowest level of input that is significant to its fair value measurement.

The fair value hierarchy is as follows:

Level 1. Inputs are unadjusted quoted prices in active markets to which the company had access at the measurement date for identical, unrestricted assets or liabilities.

Level 2. Inputs to valuation techniques are observable, either directly or indirectly.

Level 3. One or more inputs to valuation techniques are significant and unobservable.

The fair values for substantially all of the company's financial assets and liabilities that are fair valued on a recurring basis are based on observable prices and inputs and are classified in levels 1 and 2 of the fair value hierarchy. Certain level 2 and level 3 financial assets and liabilities may require valuation adjustments that a market participant would require to arrive at fair value for factors such as counterparty and the company's and GS Group's credit quality, funding risk, transfer restrictions, liquidity and bid/offer spreads. Valuation adjustments are generally based on market evidence.

Notes to the Financial Statements

Valuation Techniques and Significant Inputs

Trading Cash Instruments. Valuation techniques and significant inputs for each level of the fair value hierarchy include:

Level 1

Level 1 instruments are valued using quoted prices for identical unrestricted instruments in active markets. The company defines active markets for equity instruments based on the average daily trading volume both in absolute terms and relative to the market capitalisation for the instrument. The company defines active markets for debt instruments based on both the average daily trading volume and the number of days with trading activity.

Level 2

Level 2 instruments can be verified to quoted prices, recent trading activity for identical or similar instruments, broker or dealer quotations or alternative pricing sources with reasonable levels of price transparency. Consideration is given to the nature of the quotations (e.g., indicative or firm) and the relationship of recent market activity to the prices provided from alternative pricing sources.

Valuation adjustments are typically made to level 2 instruments (i) if the instrument is subject to transfer restrictions and/or (ii) for other premiums and liquidity discounts that a market participant would require to arrive at fair value. Valuation adjustments are generally based on market evidence.

Level 3

Level 3 instruments have one or more significant valuation inputs that are not observable. Absent evidence to the contrary, level 3 instruments are initially valued at transaction price, which is considered to be the best initial estimate of fair value. Subsequently, the company uses other methodologies to determine fair value, which vary based on the type of instrument. Valuation inputs and assumptions are changed when corroborated by substantive observable evidence, including values realised on sales of financial assets.

Valuation techniques of level 3 instruments vary by instrument, but are generally based on discounted cash flow techniques. The valuation techniques and the nature of significant inputs used to determine the fair values of each type of level 3 trading cash instrument are described below:

• **Mortgages and Other Asset-Backed Loans and Securities.** Significant inputs are generally determined based on relative value analyses and include:

- Market yields implied by transactions of similar or related assets;
- Transaction prices in both the underlying collateral and instruments with the same or similar underlying collateral;
- Current performance of the borrower or loan collateral and recovery assumptions if a default occurs; and
- Timing of expected future cash flows (duration) which, in certain cases, may incorporate the impact of other unobservable inputs (e.g., prepayment speeds).

• **Corporate Debt Instruments, Government and Agency Obligations.** Significant inputs are generally determined based on relative value analyses, which incorporate comparisons both to prices of credit default swaps that reference the same or similar underlying instrument or entity and to other debt instruments for the same or similar issuer for which observable prices or broker quotations are available. Significant inputs include:

- Market yields implied by transactions of similar or related assets;
- Current levels and changes in market indices, such as the iTraxx and CDX (indices that track the performance of corporate credit);
- Current performance of the borrower or loan collateral and recovery assumptions if a default occurs;
- Maturity and coupon profile of the instrument; and
- Market and transaction multiples for corporate debt instruments with convertibility or participation options.

• **Equity Securities.** Equity securities consists of private equity securities. Recent third-party completed or pending transactions (e.g., merger proposals, tender offers, debt restructurings) are considered to be the best evidence for any change in fair value. When these are not available, the following valuation methodologies are used, as appropriate:

- Industry multiples and public comparables;
- Transactions in similar instruments; and
- Discounted cash flow techniques.

Notes to the Financial Statements

Derivatives. Derivatives may be traded on an exchange (exchange-traded) or they may be privately negotiated contracts, which are usually referred to as OTC derivatives. Certain of the company's OTC derivatives are cleared and settled through central clearing counterparties (OTC-cleared), while others are bilateral contracts between two counterparties (bilateral OTC).

The company's level 2 and level 3 derivatives are valued using derivative pricing models (e.g., discounted cash flow models, correlation models, and models that incorporate option pricing methodologies, such as Monte Carlo simulations). Price transparency of derivatives can generally be characterised by product type, as described below.

- **Interest Rate.** In general, the key inputs used to value interest rate derivatives are transparent, even for most long-dated contracts. Interest rate swaps and options denominated in the currencies of leading industrialised nations are characterised by high trading volumes and tight bid/offer spreads. Interest rate derivatives that reference indices, such as an inflation index, or the shape of the yield curve (e.g., 10-year swap rate vs. 2-year swap rate) are more complex, but the key inputs are generally observable.
- **Credit.** Price transparency for credit default swaps, including both single names and baskets of credits, varies by market and underlying reference entity or obligation. Credit default swaps that reference indices, large corporates and major sovereigns generally exhibit the most price transparency. For credit default swaps with other underliers, price transparency varies based on credit rating, the cost of borrowing the underlying reference obligations, and the availability of the underlying reference obligations for delivery upon the default of the issuer. Credit default swaps that reference loans, asset-backed securities and emerging market debt instruments tend to have less price transparency than those that reference corporate bonds. In addition, more complex credit derivatives, such as those sensitive to the correlation between two or more underlying reference obligations or to secured funding spreads, generally have less price transparency.
- **Currency.** Prices for currency derivatives based on the exchange rates of leading industrialised nations, including those with longer tenors, are generally transparent. The primary difference between the price transparency of developed and emerging market currency derivatives is that emerging markets tend to be only observable for contracts with shorter tenors.
- **Equity.** Price transparency for equity derivatives varies by market and underlier. Options on indices and the common stock of corporates included in major equity indices exhibit the most price transparency. Equity derivatives generally have observable market prices, except for contracts with long tenors or reference prices that differ significantly from current market prices. More complex equity derivatives, such as those sensitive to the correlation between two or more individual stocks, generally have less price transparency.

Liquidity is essential to the observability of all product types. If transaction volumes decline, previously transparent prices and other inputs may become unobservable. Conversely, even highly structured products may at times have trading volumes large enough to provide observability of prices and other inputs.

Level 1

Level 1 derivatives include short-term contracts for future delivery of securities when the underlying security is a level 1 instrument, and exchange-traded derivatives if they are actively traded and are valued at their quoted market price.

Level 2

Level 2 derivatives include OTC derivatives for which all significant valuation inputs are corroborated by market evidence and exchange-traded derivatives that are not actively traded and/or that are valued using models that calibrate to market-clearing levels of OTC derivatives. In evaluating the significance of a valuation input, the company considers, among other factors, a portfolio's net risk exposure to that input.

The selection of a particular model to value a derivative depends on the contractual terms of and specific risks inherent in the instrument, as well as the availability of pricing information in the market. For derivatives that trade in liquid markets, model selection does not involve significant management judgement because outputs of models can be calibrated to market-clearing levels.

Valuation models require a variety of inputs, such as contractual terms, market prices, yield curves, discount rates (including those derived from interest rates on collateral received and posted as specified in credit support agreements for collateralised derivatives), credit curves, measures of volatility and correlations of such inputs. Significant inputs to the valuations of level 2 derivatives can be verified to market transactions, broker or dealer quotations or other alternative pricing sources with reasonable levels of price transparency. Consideration is given to the nature of the quotations (e.g., indicative or firm) and the relationship of recent market activity to the prices provided from alternative pricing sources.

Level 3

Level 3 derivatives are valued using models which utilise observable level 1 and/or level 2 inputs, as well as unobservable level 3 inputs. Unobservable inputs include certain correlations, illiquid credit and secured funding spreads, recovery rates and certain equity and interest rate volatilities.

Notes to the Financial Statements

Subsequent to the initial valuation of a level 3 derivative, the company updates the level 1 and level 2 inputs to reflect observable market changes and any resulting gains and losses are classified in level 3. Level 3 inputs are changed when corroborated by evidence such as similar market transactions, third-party pricing services and/or broker or dealer quotations or other empirical market data. In circumstances where the company cannot verify the model value by reference to market transactions, it is possible that a different valuation model could produce a materially different estimate of fair value. See below for further information about significant unobservable inputs used in the valuation of level 3 derivatives.

Where there is a difference between the initial transaction price and the fair value calculated by internal models, a gain or loss is recognised after initial recognition only to the extent that it arises from a change in a factor (including time) that market participants would consider in setting a price.

Valuation Adjustments

Valuation adjustments are integral to determining the fair value of derivative portfolios and are used to adjust the mid-market valuations produced by derivative pricing models to the exit price valuation. These adjustments incorporate bid/offer spreads, the cost of liquidity, CVA and funding valuation adjustments, which account for the credit and funding risk inherent in the uncollateralised portion of derivative portfolios. The company also makes funding valuation adjustments to collateralised derivatives where the terms of the agreement do not permit the company to deliver or repledge collateral received. Market-based inputs are generally used when calibrating valuation adjustments to market-clearing levels.

In addition, for derivatives that include significant unobservable inputs, the company makes model or exit price adjustments to account for the valuation uncertainty present in the transaction.

Other Financial Assets and Liabilities. Valuation techniques and significant inputs of other financial assets and liabilities include:

- **Collateralised Agreements.** The significant inputs to the valuation of resale agreements and securities borrowed are funding spreads, the amount and timing of expected future cash flows and interest rates.
- **Other Assets.** Other assets measured at fair value consist of loans and investments. The significant inputs to the valuation of these loans and investments are consistent with those disclosed for the trading cash instruments. See “Trading Cash Instruments” above.

• **Collateralised Financings.** The significant inputs to the valuation of repurchase agreements and securities loaned are funding spreads, the amount and timing of expected future cash flows and interest rates. The significant inputs to the valuation of secured debt securities issued, other borrowings and intercompany loans measured at fair value are the amount and timing of expected future cash flows, interest rates, funding spreads, the fair value of the collateral delivered by the company (which is determined using the amount and timing of expected future cash flows, market prices, market yields and recovery assumptions), the frequency of additional collateral calls and commodity prices for prepaid commodity transactions.

• **Unsecured Borrowings.** The significant inputs to the valuation of unsecured borrowings measured at fair value are the amount and timing of expected future cash flows, interest rates, the credit spreads of GS Group and commodity prices for prepaid commodity transactions. The inputs used to value the embedded derivative component of hybrid financial instruments are consistent with the inputs used to value the company’s other derivative instruments.

Fair Value of Financial Assets and Liabilities by Level

The table below presents, by level within the fair value hierarchy, the company’s financial assets and liabilities measured at fair value on a recurring basis.

	\$ in millions	Level 1	Level 2	Level 3	Total
As of December 2024					
Financial assets					
Collateralised agreements	\$ —	\$ 71,594	\$ —	\$ 71,594	
Trading cash instruments	105,539	40,826	350	146,715	
Derivatives	141	675,997	3,229	679,367	
Trading assets	105,680	716,823	3,579	826,082	
Other assets	1	367	61	429	
Total	\$ 105,681	\$ 788,784	\$ 3,640	\$ 898,105	
Financial liabilities					
Collateralised financings	\$ —	\$ 85,570	\$ 445	\$ 86,015	
Trading cash instruments	47,093	8,145	21	55,259	
Derivatives	51	653,636	2,275	655,962	
Trading liabilities	47,144	661,781	2,296	711,221	
Unsecured borrowings	—	40,580	4,126	44,706	
Total	\$ 47,144	\$ 787,931	\$ 6,867	\$ 841,942	
Net derivatives	\$ 90	\$ 22,361	\$ 954	\$ 23,405	
As of December 2023					
Financial assets					
Collateralised agreements	\$ —	\$ 138,777	\$ 112	\$ 138,889	
Trading cash instruments	92,278	39,739	645	132,662	
Derivatives	1	691,614	4,085	695,700	
Trading assets	92,279	731,353	4,730	828,362	
Other assets	4	503	103	610	
Total	\$ 92,283	\$ 870,633	\$ 4,945	\$ 967,861	
Financial liabilities					
Collateralised financings	\$ —	\$ 106,295	\$ 489	\$ 106,784	
Trading cash instruments	59,775	5,955	20	65,750	
Derivatives	37	669,492	2,331	671,860	
Trading liabilities	59,812	675,447	2,351	737,610	
Unsecured borrowings	—	48,990	5,663	54,653	
Total	\$ 59,812	\$ 830,732	\$ 8,503	\$ 899,047	
Net derivatives	\$ (36)	\$ 22,122	\$ 1,754	\$ 23,840	

In the table above, level 2 unsecured borrowings as of December 2023 has been decreased by \$283 million. See Note 28 for further details.

Notes to the Financial Statements

Significant Unobservable Inputs Used in Level 3 Fair Value Measurements

Trading Cash Instruments. The table below presents the company's level 3 trading cash instrument assets and ranges and weighted averages of significant unobservable inputs used to value level 3 trading cash instruments.

\$ in millions, except inputs	As of December 2024		As of December 2023	
	Amount or Range	Weighted Average	Amount or Range	Weighted Average
Mortgages and other asset-backed loans and securities				
Level 3 assets	\$ 44	\$ 41		
Yield	8.0% to 19.4%	9.8%	4.0% to 26.1%	11.9%
Recovery rate	23.3% to 69.2%	50.9%	35.5% to 76.0%	44.6%
Duration (years)	2.0 to 4.3	2.3	1.4 to 7.0	4.2
Corporate debt instruments and government and agency obligations				
Level 3 assets	\$ 296	\$ 573		
Yield	6.4% to 35.9%	15.4%	5.0% to 46.0%	12.8%
Recovery rate	7.3% to 73.0%	31.3%	7.3% to 95.9%	26.6%
Duration (years)	1.5 to 3.3	2.0	0.9 to 27.0	3.4
Equity securities				
Level 3 assets	\$ 10	\$ 31		
Duration (years)	N/A	N/A	4.8 to 4.8	4.8
Total	\$ 350	\$ 645		

In the table above:

- Ranges represent the significant unobservable inputs that were used in the valuation of each type of cash instrument and weighted averages are calculated by weighting each input by the relative fair value of the instrument.
- The ranges and weighted averages of these inputs are not representative of the appropriate inputs to use when calculating the fair value of any one trading instrument. For example, the highest yield for mortgages and other asset-backed loans and securities is appropriate for valuing a specific mortgage but may not be appropriate for valuing any other mortgages. Accordingly, the ranges of inputs do not represent uncertainty in, or possible ranges of, fair value measurements of level 3 trading cash instruments.
- Increases in yield or duration used in the valuation of level 3 instruments would have resulted in a lower fair value measurement, while increases in recovery rate or multiples would have resulted in a higher fair value measurement as of December 2024 and December 2023. Due to the distinctive nature of each level 3 instrument, the interrelationship of inputs is not necessarily uniform within each product type.
- Mortgages and other asset-backed loans and securities, corporate debt instruments and government and agency obligations are valued using discounted cash flows, and equity securities are valued using market comparables and discounted cash flows.
- The fair value of any one instrument may be determined using multiple valuation techniques. For example, market comparables and discounted cash flows may be used together to determine fair value. Therefore, the level 3 balance encompasses both of these techniques.
- Duration was not significant to the valuation of level 3 equity securities as of December 2024.

Derivatives and Unsecured Borrowings. The table below presents the company's level 3 net derivatives and unsecured borrowings and ranges, averages and medians of significant unobservable inputs used to value level 3 derivatives and unsecured borrowings.

\$ in millions, except inputs	As of December 2024		As of December 2023	
	Amount or Range	Average/ Median	Amount or Range	Average/ Median
Derivatives				
Interest rates, net	\$ 165	\$ 151		
Correlation	(10)% to 95%	34%/25%	(10)% to 26%	13%/25%
Volatility (bps)	52 to 71	60/59	41 to 62	48/48
Credit, net	\$ 1,284	\$ 1,835		
Credit spreads (bps)	17 to 1,328	146/105	7 to 1,750	134/90
Upfront credit points	(10) to 73	14/8	0 to 90	18/7
Recovery rates	20% to 70%	46%/50%	20% to 50%	43%/40%
Currencies, net	\$ (33)	\$ (104)		
Correlation	20% to 23%	21%/21%	20% to 90%	24%/23%
Equities, net	\$ (454)	\$ (140)		
Correlation	(75)% to 100%	55%/52%	(70)% to 100%	66%/69%
Volatility	2% to 84%	12%/7%	0% to 80%	14%/13%
Commodities, net	\$ (8)	\$ 12		
Total	\$ 954	\$ 1,754		
Unsecured borrowings				
Level 3 liabilities	\$ 4,126	\$ 5,663		
Interest rates				
correlation	(10)% to 26%	13%/25%	25% to 26%	25%/25%
Credit spreads (bps)	201 to 201	201/201	183 to 183	183/183
Currencies				
correlation	20% to 68%	34%/23%	20% to 68%	34%/23%
Equities correlation	(25)% to 100%	54%/50%	(16)% to 96%	51%/52%
Equities volatility	4% to 100%	23%/19%	2% to 106%	18%/15%

In the table above:

- Net derivative assets are shown as positive amounts and net derivative liabilities are shown as negative amounts.
- Ranges represent the significant unobservable inputs that were used in the valuation of each type of derivative. Averages represent the arithmetic average of the inputs and are not weighted by the relative fair value or notional of the respective financial instruments. An average greater than the median indicates that the majority of inputs are below the average.

Notes to the Financial Statements

- The ranges, averages and medians of these inputs are not representative of the appropriate inputs to use when calculating the fair value of any one derivative. For example, the highest correlation for equity derivatives is appropriate for valuing a specific equity derivative but may not be appropriate for valuing any other equity derivative. Accordingly, the ranges of inputs do not represent uncertainty in, or possible ranges of, fair value measurements of level 3 derivatives.
- Interest rates, currencies and equities derivatives are valued using option pricing models, and credit derivatives are valued using option pricing, correlation and discounted cash flow models.
- The fair value of any one instrument may be determined using multiple valuation techniques. For example, option pricing models and discounted cash flows models are typically used together to determine fair value. Therefore, the level 3 balance encompasses both of these techniques.
- Correlation within currencies and equities includes cross-product type correlation.

Range of Significant Unobservable Inputs

The following provides information about the ranges of significant unobservable inputs used to value level 3 derivatives and unsecured borrowings:

- Correlation.** Ranges for correlation cover a variety of underliers both within one product type (e.g., equity index and equity single stock names) and across product types (e.g., correlation of an interest rate and a currency), as well as across regions.
- Volatility.** Ranges for volatility cover numerous underliers across a variety of markets, maturities and strike prices. For example, volatility of equity indices is generally lower than volatility of single stocks.
- Credit spreads, upfront credit points and recovery rates.** The ranges for credit spreads, upfront credit points and recovery rates cover a variety of underliers (index and single names), regions, sectors, maturities and credit qualities (high-yield and investment-grade) and also includes secured funding spreads. The broad range of this population gives rise to the width of the ranges of significant unobservable inputs.

Sensitivity of Fair Value Measurement to Changes in Significant Unobservable Inputs

The following is a description of the directional sensitivity of the company's level 3 fair value measurements to changes in significant unobservable inputs, in isolation, as of each year-end:

- Correlation.** In general, for contracts where the holder benefits from the convergence of the underlying asset or index prices (e.g., interest rates, credit spreads, foreign exchange rates, inflation rates and equity prices), an increase in correlation results in a higher fair value measurement.

- Volatility.** In general, for purchased options, an increase in volatility results in a higher fair value measurement.

- Credit spreads, upfront credit points and recovery rates.** In general, the fair value of purchased credit protection increases as credit spreads or upfront credit points increase or recovery rates decrease, and the fair value of secured funding capacity increases as secured funding spreads increase. Credit spreads, upfront credit points and recovery rates are strongly related to distinctive risk factors of the underlying reference obligations, which include reference entity-specific factors such as leverage, volatility and industry, market-based risk factors, such as borrowing costs or liquidity of the underlying reference obligation, and macroeconomic conditions.

Due to the distinctive nature of each of the company's level 3 derivatives and unsecured borrowings, the interrelationship of inputs is not necessarily uniform within each product type.

Collateralised Agreements. As of December 2023, the significant unobservable inputs used to value level 3 collateralised agreements are incorporated into the trading cash instruments disclosures related to unobservable inputs. See "Trading Cash Instruments" above.

Collateralised Financings. As of December 2024 and December 2023, the significant unobservable inputs used to value level 3 collateralised financings are incorporated into the derivatives disclosures related to unobservable inputs. See "Derivatives and Unsecured Borrowings" above.

Transfers Between Level 1 and Level 2 of the Fair Value Hierarchy

During both 2024 and 2023, there were no significant transfers between level 1 and level 2 financial assets and liabilities measured at fair value on a recurring basis.

Notes to the Financial Statements

Fair Value Financial Assets and Liabilities Valued Using Techniques That Incorporate Unobservable Inputs

The fair value of financial assets and liabilities may be determined in whole or part using a valuation technique based on assumptions that are not supported by prices from observable current market transactions in the same instrument or based on available observable market data and changing these assumptions will change the resultant estimate of fair value.

In determining reasonably possible alternative unfavourable assumptions, a detailed business and position level review has been performed to identify and quantify instances where potential uncertainty exists. This has taken into account the positions' fair value as compared to the range of available market information.

The table below presents the potential impact of using reasonable possible alternative assumptions for financial assets and liabilities valued using techniques that are unobservable.

\$ in millions	As of December	
	2024	2023
Favourable changes		
Trading cash instruments	\$ 35	\$ 102
Others	294	399
Total	\$ 329	\$ 501
Unfavourable changes		
Trading cash instruments	\$ 12	\$ 15
Others	147	191
Total	\$ 159	\$ 206

In the table above:

- Others include the favourable and unfavourable changes related to derivatives, unsecured borrowings, collateralised agreements, collateralised financings and other assets. Where applicable, these have been presented net, consistent with their net risk being used in the calculation of favourable and unfavourable changes due to economic hedging between these instruments.
- As of both December 2024 and December 2023, the impact for favourable changes was primarily driven by changes in valuation adjustments related to equity and fixed income derivatives and changes in assumptions related to the valuation of secured funding spreads and equity securities.
- As of both December 2024 and December 2023, the impact for unfavourable changes was primarily driven by changes in the assumptions related to the valuation of secured funding spreads, volatility and correlation inputs, and credit spreads.

The table below presents the amounts not recognised in the income statement relating to the difference between the fair value of financial assets and liabilities at initial recognition using the valuation techniques and the transaction price (day 1 P&L).

\$ in millions	Year Ended December	
	2024	2023
Beginning balance	\$ 260	\$ 206
New transactions	203	311
Amounts recognised in the income statement during the year	(262)	(257)
Ending balance	\$ 201	\$ 260

Level 3 Rollforward

The table below presents a summary of the changes in fair value for all level 3 financial assets and liabilities measured at fair value on a recurring basis.

\$ in millions	Year Ended December	
	2024	2023
Total financial assets		
Beginning balance	\$ 4,945	\$ 4,728
Gains/(losses)	669	849
Purchases	371	608
Sales	(298)	(302)
Settlements	(1,306)	(928)
Transfers into level 3	136	262
Transfers out of level 3	(877)	(272)
Ending balance	\$ 3,640	\$ 4,945
Total financial liabilities		
Beginning balance	\$ (8,503)	\$ (7,875)
Gains/(losses)	(669)	(1,074)
Purchases	11	36
Sales	(243)	(310)
Issuances	(1,740)	(2,246)
Settlements	3,488	2,956
Transfers into level 3	(312)	(571)
Transfers out of level 3	1,101	581
Ending balance	\$ (6,867)	\$ (8,503)

In the table above:

- If a financial asset or financial liability was transferred to level 3 during a reporting period, its entire gain or loss for the period is classified in level 3. For level 3 financial assets, increases are shown as positive amounts, while decreases are shown as negative amounts. For level 3 financial liabilities, increases are shown as negative amounts, while decreases are shown as positive amounts.
- Transfers between levels of the fair value hierarchy are recognised at the beginning of the reporting period in which they occur. Accordingly, the tables do not include gains or losses for level 3 financial assets and liabilities that were transferred out of level 3 prior to the end of the period.

Notes to the Financial Statements

- Level 3 financial assets and liabilities are frequently economically hedged with level 1 and level 2 financial assets and liabilities. Accordingly, level 3 gains or losses that are reported for a particular class of financial asset or financial liability can be partially offset by gains or losses attributable to level 1 or level 2 in the same class of financial asset or financial liability or gains or losses attributable to level 1, level 2 or level 3 in a different class of financial asset or financial liability. As a result, gains or losses included in the level 3 rollforward do not necessarily represent the overall impact on the company's results of operations, liquidity or capital resources.
- Gains/(losses) are predominately attributable to changes in unrealised gains or losses relating to level 3 financial assets and financial liabilities.
- The net gains/(losses) on level 3 financial assets for both 2024 and 2023 are reported in "Net revenues" in the income statement.
- The net losses on level 3 financial liabilities of \$669 million for 2024 included losses of \$648 million reported in "Net revenues" in the income statement and losses of \$21 million reported in "Debt valuation adjustment" in the statement of comprehensive income. The net losses on level 3 financial liabilities of \$1.07 billion for 2023 included losses of \$988 million reported in "Net revenues" in the income statement and losses of \$86 million reported in "Debt valuation adjustment" in the statement of comprehensive income.

The table below disaggregates, by the balance sheet line items, the information for the company's financial assets included in the summary table above.

	Year Ended December	
	2024	2023
\$ in millions		
Collateralised agreements		
Beginning balance	\$ 112	\$ 118
Gains/(losses)	—	3
Settlements	—	(9)
Transfers out of level 3	(112)	—
Ending balance	\$ —	\$ 112
Trading assets		
Beginning balance	\$ 4,730	\$ 4,485
Gains/(losses)	661	836
Purchases	370	600
Sales	(246)	(301)
Settlements	(1,305)	(900)
Transfers into level 3	134	262
Transfers out of level 3	(765)	(252)
Ending balance	\$ 3,579	\$ 4,730
Other assets		
Beginning balance	\$ 103	\$ 125
Gains/(losses)	8	10
Purchases	1	8
Sales	(52)	(1)
Settlements	(1)	(19)
Transfers into level 3	2	—
Transfers out of level 3	—	(20)
Ending balance	\$ 61	\$ 103

The table below disaggregates, by the balance sheet line items, the information for the company's financial liabilities included in the summary table above.

	Year Ended December	
	2024	2023
\$ in millions		
Collateralised financings		
Beginning balance	\$ (489)	\$ (395)
Gains/(losses)	4	(52)
Issuances	(58)	(322)
Settlements	141	280
Transfers into level 3	(43)	—
Ending balance	\$ (445)	\$ (489)
Trading liabilities		
Beginning balance	\$ (2,351)	\$ (2,332)
Gains/(losses)	(768)	(476)
Purchases	11	36
Sales	(243)	(310)
Settlements	841	617
Transfers into level 3	(85)	(151)
Transfers out of level 3	299	265
Ending balance	\$ (2,296)	\$ (2,351)
Unsecured borrowings		
Beginning balance	\$ (5,663)	\$ (5,148)
Gains/(losses)	95	(546)
Issuances	(1,682)	(1,924)
Settlements	2,506	2,059
Transfers into level 3	(184)	(420)
Transfers out of level 3	802	316
Ending balance	\$ (4,126)	\$ (5,663)

Transfers Between Level 2 and Level 3 of the Fair Value Hierarchy

Transfers between level 2 and level 3 generally occur due to changes in the transparency of level 3 inputs. A lack of market evidence leads to reduced transparency, whereas an increase in the availability of market evidence leads to an increase in transparency.

Financial Assets

Year Ended December 2024

Trading Assets. Transfers into level 3 trading assets primarily reflected transfers of certain credit derivatives from level 2, principally due to reduced transparency of certain credit spread inputs, and transfers of certain cash instruments from level 2, principally due to reduced transparency of certain yield inputs.

Transfers out of level 3 trading assets primarily reflected transfers of certain equity derivatives to level 2, principally due to increased transparency of certain volatility and correlation inputs, transfers of certain credit derivatives to level 2, principally due to increased transparency of certain credit spread inputs, and transfers of certain cash instruments to level 2, principally due to increased transparency of certain yield inputs.

Notes to the Financial Statements

Year Ended December 2023

Trading Assets. Transfers into level 3 trading assets primarily reflected transfers of certain equity derivatives from level 2, principally due to reduced price transparency of certain volatility and correlation inputs, transfers of certain credit derivatives from level 2, principally due to reduced transparency of certain credit spread inputs, and transfers of certain cash instruments from level 2, principally due to reduced transparency of certain yield inputs.

Transfers out of level 3 trading assets primarily reflected transfers of certain equity derivatives to level 2, principally due to increased transparency of certain volatility and correlation inputs, and transfers of certain cash instruments to level 2, principally due to increased transparency of certain yield inputs.

Financial Liabilities

Year Ended December 2024

Trading Liabilities. Transfers into level 3 trading liabilities primarily reflected transfers of certain credit derivatives from level 2, principally due to reduced transparency of certain credit spread inputs.

Transfers out of level 3 trading liabilities primarily reflected transfers of certain equity derivatives to level 2, principally due to increased transparency of certain volatility and correlation inputs, and transfers of certain interest rates derivatives to level 2, principally due to increased transparency of certain swap rates.

Unsecured Borrowings. Transfers into level 3 unsecured borrowings primarily reflected transfers of certain hybrid financial instruments from level 2, principally due to reduced transparency of certain volatility inputs.

Transfers out of level 3 unsecured borrowings primarily reflected transfers of certain hybrid financial instruments to level 2, principally due to increased transparency of certain volatility and correlation inputs.

Year Ended December 2023

Trading Liabilities. Transfers into level 3 trading liabilities primarily reflected transfers of certain equity derivatives from level 2, principally due to reduced transparency of certain volatility and correlation inputs, and transfers of certain credit derivatives from level 2, principally due to reduced transparency of certain credit spread inputs.

Transfers out of level 3 trading liabilities primarily reflected transfers of certain equity derivatives to level 2, principally due to reduced transparency of certain credit spread inputs.

Unsecured Borrowings. Transfers into level 3 unsecured borrowings primarily reflected transfers of certain hybrid financial instruments from level 2, principally due to reduced transparency of certain volatility and correlation inputs.

Transfers out of level 3 unsecured borrowings primarily reflected transfers of certain hybrid financial instruments to level 2, principally due to increased transparency of certain volatility and correlation inputs.

Fair Value of Financial Assets and Liabilities Not Measured at Fair Value

The company had financial assets of \$211.31 billion as of December 2024 and \$234.52 billion as of December 2023 that are not measured at fair value. Given that substantially all of these balances are short-term in nature, their carrying values in the balance sheet are a reasonable approximation of fair value.

The table below presents the company's financial liabilities that are not measured at fair value by expected maturity.

	As of December	
	2024	2023
<i>\$ in millions</i>		
Current	\$ 154,410	\$ 198,224
Non-current	73,373	65,442
Total	\$ 227,783	\$ 263,666

In the table above:

- Current financial liabilities are short-term in nature and therefore their carrying values in the balance sheet are a reasonable approximation of fair value.
- Non-current financial liabilities primarily related to long-term intercompany loans and repurchase agreements. The interest rates of these instruments are variable in nature and approximate prevailing market interest rates for instruments with similar terms and characteristics. As such, their carrying values in the balance sheet are a reasonable approximation of fair value.
- Non-current financial liabilities as of December 2023 has been increased by \$283 million. See Note 28 for further details.

Note 30.

Financial Risk Management and Capital Management

Certain disclosures in relation to the company's financial risk management and capital management have been presented alongside other risk management and regulatory information in Part I of this annual report and are identified as audited, where relevant.

Notes to the Financial Statements

Maturity of Financial Assets, Financial Liabilities and Commitments

The table below presents an analysis of the cash flows of the company's financial assets, financial liabilities and commitments by contractual maturity except for trading assets

and liabilities held for trading, which are classified as trading on demand, reflecting the company's role as a market maker.

\$ in millions	Trading/on demand	Less than 1 month	1-3 months	3 months - 1 year	1 - 5 years	Greater than 5 years	Total
As of December 2024							
Financial assets							
Cash and cash equivalents	\$ 11,601	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 11,601
Collateralised agreements	65,332	112,744	7,643	5,914	893	20	192,546
Customer and other receivables	76,886	—	—	—	—	—	76,886
Trading assets	826,082	—	—	—	—	—	826,082
Other assets	1,581	185	4	16	230	1,024	3,040
Total	\$ 981,482	\$ 112,929	\$ 7,647	\$ 5,930	\$ 1,123	\$ 1,044	\$ 1,110,155
Financial liabilities							
Collateralised financings	\$ 14,336	\$ 47,166	\$ 16,722	\$ 20,097	\$ 70,811	\$ 956	\$ 170,088
Customer and other payables	107,164	—	—	—	—	—	107,164
Trading liabilities	711,221	—	—	—	—	—	711,221
Unsecured borrowings	1,528	3,233	4,419	11,242	32,927	36,969	90,318
Other liabilities	1,890	1,433	7	6	1,480	17	4,833
Total	\$ 836,139	\$ 51,832	\$ 21,148	\$ 31,345	\$ 105,218	\$ 37,942	\$ 1,083,624
Commitments							
Collateralised agreements	\$ 1,040	\$ 118,682	\$ 508	\$ 2,140	\$ —	\$ —	\$ 122,370
Collateralised financings	8	66,388	2,107	837	—	—	69,340
Other	2,758	—	—	1	—	—	2,759
Total	\$ 3,806	\$ 185,070	\$ 2,615	\$ 2,978	\$ —	\$ —	\$ 194,469
As of December 2023							
Financial assets							
Cash and cash equivalents	\$ 35,689	\$ —	\$ —	\$ —	\$ —	\$ —	\$ 35,689
Collateralised agreements	121,502	129,502	7,218	3,346	1,103	146	262,817
Customer and other receivables	72,888	—	—	—	—	—	72,888
Trading assets	818,880	106	7,391	1,985	—	—	828,362
Other assets	1,667	10	40	74	452	1,325	3,568
Total	\$ 1,050,626	\$ 129,618	\$ 14,649	\$ 5,405	\$ 1,555	\$ 1,471	\$ 1,203,324
Financial liabilities							
Collateralised financings	\$ 38,460	\$ 47,584	\$ 39,789	\$ 34,759	\$ 53,654	\$ 1,573	\$ 215,819
Customer and other payables	115,201	—	—	—	—	—	115,201
Trading liabilities	737,610	—	—	—	—	—	737,610
Unsecured borrowings	2,372	1,775	4,854	10,728	51,565	35,665	106,959
Other liabilities	1,891	1,202	6	13	1,015	32	4,159
Total	\$ 895,534	\$ 50,561	\$ 44,649	\$ 45,500	\$ 106,234	\$ 37,270	\$ 1,179,748
Commitments							
Collateralised agreements	\$ 798	\$ 139,390	\$ 1,301	\$ 2,107	\$ —	\$ —	\$ 143,596
Collateralised financings	6	44,606	2	559	—	—	45,173
Other	3,369	1	—	2	—	—	3,372
Total	\$ 4,173	\$ 183,997	\$ 1,303	\$ 2,668	\$ —	\$ —	\$ 192,141

In the table above:

- Cash flows by contractual maturity include interest that will accrue on intercompany loans (included in other assets, collateralised financings and unsecured borrowings), and debt securities issued measured at amortised cost (included in unsecured borrowings). All other financial assets and financial liabilities, which are primarily measured at fair value through profit or loss, have been disclosed at their carrying values, consistent with the values used in the liquidity risk management of these instruments.
- Cash collateral received and paid has been classified as trading/on demand, consistent with the derivatives that it primarily relates to.

- Liquidity risk on derivatives is mitigated through master netting agreements and cash collateral arrangements.

- Unsecured borrowings include certain debt securities issued that have trigger events that are not in the control of the company and could be repaid earlier than their contractual maturities.

The company manages liquidity risk according to three principles: (i) hold sufficient excess liquidity in the form of GCLA to cover outflows during a stress period; (ii) maintain appropriate Asset-Liability Management; and (iii) maintain a viable Contingency Funding Plan. See "Liquidity Risk Management — Liquidity Risk Management Principles" in Part I of this annual report for further details.

Notes to the Financial Statements

Note 31.

Transferred Assets

Assets Continued to be Recognised in Full. During 2024 and 2023, the company transferred certain financial assets where the transfers failed to meet the derecognition criteria, as contained in IFRS 9, and as a result of which the company continues to recognise these assets in full in the balance sheet.

The company transfers assets owned to counterparties in the ordinary course of business to collateralise repurchase agreements and other securities lending transactions. In these transactions the transferred assets continue to be recognised by the company for accounting purposes because the transactions require the financial instruments to be repurchased at maturity of the agreement and the company remains exposed to the price, credit and interest rate risk of these instruments. When the company receives cash proceeds from the transfer of the asset, a financial liability is recognised in respect of the consideration received and recorded in collateralised financings. When the company receives non-cash collateral (in the form of securities) no liability is initially recognised. If collateral received is subsequently sold, the obligation to return the collateral is recognised as a liability in trading liabilities.

In addition to repurchase agreements and securities lending agreements, the company obtains funding through the use of other arrangements that fail to meet the derecognition criteria. For example, sales of securities with related derivatives, such as total return swaps, through which the company retains substantially all of the risk and reward of the transferred assets. A financial liability is recognised in such cases for the proceeds received.

Other financial assets transferred that continue to be recognised on balance sheet for accounting purposes relate to pledges of securities as collateral, primarily for derivative transactions. The obligations under such derivatives are recorded in trading liabilities.

The table below presents the company's financial assets which have been transferred but which remain on balance sheet for accounting purposes.

\$ in millions	As of December	
	2024	2023
Money market instruments	\$ —	\$ 20
Government and agency obligations	38,112	36,444
Mortgage and other asset-backed loans and securities	168	192
Corporate debt instruments	10,339	10,331
Equity securities	52,539	49,620
Trading cash instruments	101,158	96,607
Other assets	—	45
Total	\$ 101,158	\$ 96,652

The carrying value of the associated financial liabilities generally approximate the carrying value of the assets transferred.

Derecognised Assets With Ongoing Exposure. The company has continuing involvement in the form of derivative transactions and guarantees with certain unconsolidated structured entities to which the company had transferred financial assets. These derivatives may be credit-linked to the asset transferred and result in the company retaining specific risks in the transferred asset or require the company to make payments to the structured entity to compensate losses on the asset if certain contingent events occur.

In addition, the company transfers financial assets to securitisation vehicles. The company generally receives cash in exchange for the transferred assets but may have continuing involvement with the transferred assets, including ownership of beneficial interests in the securitised financial assets, primarily in the form of debt instruments. The company may also purchase senior or subordinated securities issued by securitisation vehicles in connection with secondary market-making activities.

Where the company's continuing involvement in transferred assets is through derivatives or guarantees, the maximum exposure to loss is the notional amounts of the derivative or guarantee. For retained or purchased interests in securitised assets, the company's risk of loss is limited to the fair value of these interests. In all cases these retained interests are carried at fair value.

The company accounts for assets pending transfer at fair value and therefore does not typically recognise significant gains or losses upon the transfer of assets. The company does not have continuing involvement that could require the company to repurchase derecognised financial assets.

Notes to the Financial Statements

The tables below present information about the company's exposure through continuing involvement and the gains or losses related to those transactions.

\$ in millions	Carrying value	Maximum exposure to loss
As of December 2024		
Assets		
Trading cash instruments	\$ —	\$ —
Derivatives	404	1,181
Trading assets	404	1,181
Total	\$ 404	\$ 1,181
Liabilities		
Trading cash instruments	\$ —	\$ —
Derivatives	(60)	708
Trading liabilities	(60)	708
Total	\$ (60)	\$ 708

As of December 2023

\$ in millions	Carrying value	Maximum exposure to loss
As of December 2023		
Assets		
Trading cash instruments	\$ —	\$ —
Derivatives	120	1,095
Trading assets	120	1,095
Total	\$ 120	\$ 1,095
Liabilities		
Trading cash instruments	\$ —	\$ —
Derivatives	(57)	693
Trading liabilities	(57)	693
Total	\$ (57)	\$ 693

\$ in millions	Income/ (expense) in the year	Cumulative income/ (expense)
As of December 2024		
Assets		
Trading cash instruments	\$ —	\$ 133
Derivatives	85	378
Trading assets	85	511
Total	\$ 85	\$ 511
Liabilities		
Trading cash instruments	\$ —	\$ 1
Derivatives	(40)	(51)
Trading liabilities	(40)	(50)
Customer and other payables	—	(1)
Total	\$ (40)	\$ (51)

As of December 2023

\$ in millions	Income/ (expense) in the year	Cumulative income/ (expense)
As of December 2023		
Assets		
Trading cash instruments	\$ —	\$ 133
Derivatives	6	293
Trading assets	6	426
Total	\$ 6	\$ 426
Liabilities		
Trading cash instruments	\$ —	\$ 1
Derivatives	(25)	(10)
Trading liabilities	(25)	(9)
Customer and other payables	—	(1)
Total	\$ (25)	\$ (10)