

Third Quarter 2022 Earnings Results

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The Goldman Sachs Group, Inc. 200 West Street | New York, NY 10282

Goldman Sachs Reports Third Quarter Earnings Per Common Share of \$8.25

"Goldman Sachs' third quarter results reflect the strength, breadth and diversification of our global franchise. Against the backdrop of uncertainty and volatility in the markets, we continue to prudently manage our resources and remain focused on risk management as we serve our clients. Importantly, we are confident that our strategic evolution will drive higher, more durable returns and unlock long-term value for shareholders.

In January 2020, we outlined our strategy in clear and direct terms, introducing a plan to grow and strengthen our core businesses, diversify our products and services, and operate more efficiently as we drive higher, more durable returns. Today, we enter the next phase of our growth, introducing a realignment of our businesses that will enable us to further capitalize on the predominant operating model of One Goldman Sachs as we better serve our clients."

- David Solomon, Chairman and Chief Executive Officer

Financial Summary

Net Revenues				
3Q22	\$11.98 billion			
3Q22 YTD	\$36.77 billion			

Net E	arnings
3Q22	\$3.07 billion
3Q22 YTD	\$9.94 billion

EPS	
3Q22	\$8.25
3Q22 YTD	\$26.71

Annualized ROE ¹				
3Q22	11.0%			
3Q22 YTD	12.2%			

Annualized ROTE ¹				
3Q22	12.0%			
3Q22 YTD	13.1%			

Book Value	Per Share
3Q22	\$308.22
YTD Growth	8.4%

NEW YORK, October 18, 2022 – The Goldman Sachs Group, Inc. (NYSE: GS) today reported net revenues of \$11.98 billion and net earnings of \$3.07 billion for the third quarter ended September 30, 2022. Net revenues were \$36.77 billion and net earnings were \$9.94 billion for the first nine months of 2022.

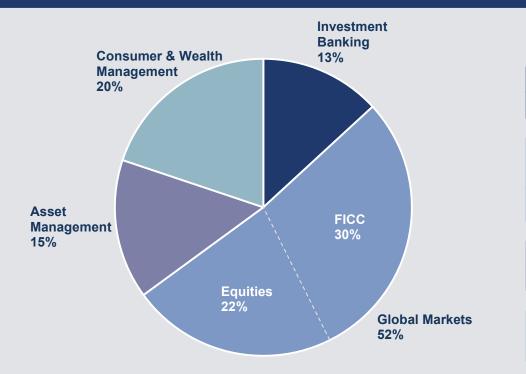
Diluted earnings per common share (EPS) was \$8.25 for the third quarter of 2022 compared with \$14.93 for the third quarter of 2021 and \$7.73 for the second quarter of 2022, and was \$26.71 for the first nine months of 2022 compared with \$48.59 for the first nine months of 2021.

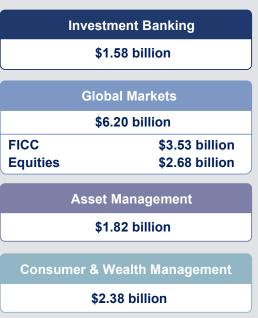
Annualized return on average common shareholders' equity (ROE)¹ was 11.0% for the third quarter of 2022 and 12.2% for the first nine months of 2022. Annualized return on average tangible common shareholders' equity (ROTE)¹ was 12.0% for the third quarter of 2022 and 13.1% for the first nine months of 2022.

Highlights

- During the quarter, the firm continued to support clients amid a challenging macroeconomic environment and generated solid quarterly net revenues of \$11.98 billion, net earnings of \$3.07 billion and diluted EPS of \$8.25.
- The firm ranked #1 in worldwide announced and completed mergers and acquisitions and in worldwide equity and equity-related offerings for the year-to-date.²
- Global Markets generated quarterly net revenues of \$6.20 billion, reflecting strong performances in both Fixed Income, Currency and Commodities (FICC) and Equities, particularly in financing.
- Consumer & Wealth Management generated record quarterly net revenues of \$2.38 billion, 18% higher than the third quarter
 of 2021.
- Firmwide Management and other fees were a record \$2.24 billion for the third quarter of 2022, 15% higher than the third quarter of 2021.
- Book value per common share increased by 2.1% during the quarter and 8.4% during the first nine months of 2022 to \$308.22.

Quarterly Net Revenue Mix by Segment





Net Revenues

Net revenues were \$11.98 billion for the third quarter of 2022, 12% lower than a strong third quarter of 2021 and 1% higher than the second quarter of 2022. The decrease compared with the third quarter of 2021 reflected significantly lower net revenues in Investment Banking and Asset Management, partially offset by higher net revenues in Global Markets and Consumer & Wealth Management.

Net Revenues

\$11.98 billion

-Investment Banking-

Net revenues in Investment Banking were \$1.58 billion for the third quarter of 2022, 57% lower than a strong third quarter of 2021 and 26% lower than the second quarter of 2022. The decrease compared with the third quarter of 2021 reflected significantly lower net revenues in Underwriting, Financial advisory and Corporate lending.

The decrease in Underwriting net revenues was due to significantly lower net revenues in both Equity and Debt underwriting, reflecting a significant decline in industry-wide volumes. The decrease in Financial advisory net revenues reflected a significant decline in industry-wide completed mergers and acquisitions transactions from elevated activity levels in the prior year period. The decrease in Corporate lending net revenues was primarily due to net mark-downs on acquisition financing activities and net losses on hedges.

The firm's backlog³ was essentially unchanged compared with the end of the second quarter of 2022.

\$1.58 billion Financial advisory \$972 million Underwriting \$569 million Corporate lending \$35 million

Global Markets-

Net revenues in Global Markets were \$6.20 billion for the third quarter of 2022, 11% higher than the third quarter of 2021 and 4% lower than the second quarter of 2022.

Net revenues in FICC were \$3.53 billion, 41% higher than the third quarter of 2021, primarily reflecting significantly higher net revenues in FICC intermediation, driven by significantly higher net revenues in interest rate products and currencies, and higher net revenues in commodities and credit products, partially offset by significantly lower net revenues in mortgages. In addition, net revenues in FICC financing were significantly higher, primarily driven by repurchase agreements and mortgage lending.

Net revenues in Equities were \$2.68 billion, 14% lower than a strong third quarter of 2021, primarily due to lower net revenues in Equities intermediation, reflecting significantly lower net revenues in cash products and lower net revenues in derivatives. Net revenues in Equities financing were slightly lower.

Global Markets					
\$6.20 billion	\$6.20 billion				
FICC intermediation FICC financing FICC	\$2.80 billion \$725 million \$3.53 billion				
Equities intermediation Equities financing Equities	\$1.55 billion \$1.13 billion \$2.68 billion				

-Asset Management-

Net revenues in Asset Management were \$1.82 billion for the third quarter of 2022, 20% lower than the third quarter of 2021 and 68% higher than the second quarter of 2022. The decrease compared with the third quarter of 2021 primarily reflected significantly lower net revenues in Equity investments and Lending and debt investments, partially offset by significantly higher net revenues in Management and other fees.

The decrease in Equity investments net revenues reflected significantly lower net gains from investments in private equities, partially offset by mark-to-market net gains from investments in public equities compared with significant net losses in the third quarter of 2021. The decrease in Lending and debt investments net revenues primarily reflected net mark-downs compared with net mark-ups in the prior year period. Incentive fees were lower, driven by harvesting in the prior year period. The increase in Management and other fees reflected the inclusion of NN Investment Partners (NNIP) in the current period and the impact of fee waivers on money market funds in the prior year period.

Asset Management				
\$1.82 billion				
Management and other fees	\$1.03 billion			
Incentive fees	\$ 36 million			
Equity investments	\$527 million			
Lending and debt investments	\$231 million			

Consumer & Wealth Management

Net revenues in Consumer & Wealth Management were \$2.38 billion for the third quarter of 2022, 18% higher than the third quarter of 2021 and 9% higher than the second quarter of 2022.

Net revenues in Wealth management were \$1.63 billion, essentially unchanged compared with the third quarter of 2021, reflecting significantly lower Incentive fees, driven by harvesting in the prior year period, offset by significantly higher net revenues in Private banking and lending, due to the impact of higher loan and deposit balances. Management and other fees were essentially unchanged.

Net revenues in Consumer banking were \$744 million, nearly double the amount in the third quarter of 2021, primarily reflecting significantly higher credit card balances and higher deposit spreads.

Consumer & Wealth Management				
\$2.38 billion				
Wealth management \$1.63 billion				
Consumer banking	\$744 million			

Provision for Credit Losses

Provision for credit losses was \$515 million for the third quarter of 2022, compared with \$175 million in the third quarter of 2021 and \$667 million in the second quarter of 2022. Provisions for the third quarter of 2022 reflected consumer portfolio growth, net charge-offs and the impact of continued broad concerns on the macroeconomic outlook. The third quarter of 2021 primarily reflected provisions related to portfolio growth (primarily in credit cards).

The firm's allowance for credit losses was \$5.59 billion as of September 30, 2022.

Provision for Credit Losses

\$515 million

Operating Expenses

Operating expenses were \$7.70 billion for the third quarter of 2022, 17% higher than the third quarter of 2021 and 1% higher than the second quarter of 2022. The firm's efficiency ratio³ for the first nine months of 2022 was 62.7%, compared with 52.8% for the first nine months of 2021.

The increase in operating expenses compared with the third quarter of 2021 included higher compensation and benefits expenses (reflecting a smaller reduction in the year-to-date ratio of compensation and benefits to net revenues, net of provision for credit losses, compared with the prior year period), the inclusion of NNIP and GreenSky, Inc., higher net provisions for litigation and regulatory proceedings, and higher transaction based expenses.

Net provisions for litigation and regulatory proceedings for the third quarter of 2022 were \$191 million compared with \$52 million for the third quarter of 2021.

Headcount increased 4% compared with the end of the second quarter of 2022, primarily reflecting the timing of campus hires and investments in growth initiatives.

Operating Expenses

\$7.70 billion

YTD Efficiency Ratio

62.7%

Provision for Taxes

The effective income tax rate for the first nine months of 2022 increased to 16.9% from 16.3% for the first half of 2022, primarily due to a decrease in the impact of tax benefits on the settlement of employee share-based awards in the first nine months of 2022 compared with the first half of 2022.

YTD Effective Tax Rate

16.9%

Other Matters

- On October 17, 2022, the Board of Directors of The Goldman Sachs Group, Inc. declared a dividend of \$2.50 per common share to be paid on December 29, 2022 to common shareholders of record on December 1, 2022.
- During the quarter, the firm returned \$1.89 billion of capital to common shareholders, including \$1.00 billion of common share repurchases (3.0 million shares at an average cost of \$332.32) and \$893 million of common stock dividends.³
- Global core liquid assets³ averaged \$417 billion⁴ for the third quarter of 2022, compared with an average of \$391 billion for the second quarter of 2022.

Declared Quarterly
Dividend Per Common Share

\$2.50

Common Share Repurchases

3.0 million shares for \$1.00 billion

Average GCLA

\$417 billion

The Goldman Sachs Group, Inc. is a leading global financial institution that delivers a broad range of financial services across investment banking, securities, investment management and consumer banking to a large and diversified client base that includes corporations, financial institutions, governments and individuals. Founded in 1869, the firm is headquartered in New York and maintains offices in all major financial centers around the world.

Cautionary Note Regarding Forward-Looking Statements-

This press release contains "forward-looking statements" within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. Forward-looking statements are not historical facts or statements of current conditions, but instead represent only the firm's beliefs regarding future events, many of which, by their nature, are inherently uncertain and outside of the firm's control. It is possible that the firm's actual results, financial condition and liquidity may differ, possibly materially, from the anticipated results, financial condition and liquidity in these forward-looking statements. For information about some of the risks and important factors that could affect the firm's future results, financial condition and liquidity, see "Risk Factors" in Part I, Item 1A of the firm's Annual Report on Form 10-K for the year ended December 31, 2021.

Information regarding the firm's assets under supervision, capital ratios, risk-weighted assets, supplementary leverage ratio, balance sheet data, global core liquid assets and VaR consists of preliminary estimates. These estimates are forward-looking statements and are subject to change, possibly materially, as the firm completes its financial statements.

Statements about the firm's investment banking transaction backlog and future results also may constitute forward-looking statements. Such statements are subject to the risk that transactions may be modified or may not be completed at all, and related net revenues may not be realized or may be materially less than expected. Important factors that could have such a result include, for underwriting transactions, a decline or weakness in general economic conditions, an outbreak or worsening of hostilities, including the escalation or continuation of the war between Russia and Ukraine, continuing volatility in the securities markets or an adverse development with respect to the issuer of the securities and, for financial advisory transactions, a decline in the securities markets, an inability to obtain adequate financing, an adverse development with respect to a party to the transaction or a failure to obtain a required regulatory approval. For information about other important factors that could adversely affect the firm's investment banking transactions, see "Risk Factors" in Part I, Item 1A of the firm's Annual Report on Form 10-K for the year ended December 31, 2021.

Conference Call-

A conference call to discuss the firm's financial results, outlook and related matters will be held at 9:30 am (ET). The call will be open to the public. Members of the public who would like to listen to the conference call should dial 1-800-753-0786 (in the U.S.) or 1-323-794-2410 (outside the U.S.) passcode number 7042022. The number should be dialed at least 10 minutes prior to the start of the conference call. The conference call will also be accessible as an audio webcast through the Investor Relations section of the firm's website, www.goldmansachs.com/investor-relations. There is no charge to access the call. For those unable to listen to the live broadcast, a replay will be available on the firm's website or by dialing 1-888-203-1112 (in the U.S.) or 1-719-457-0820 (outside the U.S.) passcode number 7042022 beginning approximately three hours after the event. Please direct any questions regarding obtaining access to the conference call to Goldman Sachs Investor Relations, via e-mail, at gs.investor-relations@gs.com.

The Goldman Sachs Group, Inc. and Subsidiaries

Segment Net Revenues (unaudited) \$ in millions

	THREE MONTHS ENDED					
	SEPTEMBER 30, 2022		JUNE 30, 2022			EMBER 30, 2021
INVESTMENT BANKING						
Financial advisory	\$	972	\$	1,197	\$	1,648
Equity underwriting		241		131		1,174
Debt underwriting		328		457		726
Underwriting		569		588		1,900
Corporate lending		35		352		152
Net revenues		1,576		2,137		3,700
GLOBAL MARKETS						
FICC intermediation		2,800		2,839		1,995
FICC financing		725		768		513
FICC		3,525		3,607		2,508
Equities intermediation		1,549		1,734		1,920
Equities financing		1,127		1,126		1,183
Equities		2,676		2,860		3,103
Net revenues		6,201		6,467		5,611
ASSET MANAGEMENT						
Management and other fees		1,027		1,008		724
Incentive fees		36		160		100
Equity investments		527		(221)		935
Lending and debt investments		231		137		520
Net revenues		1,821		1,084		2,279
CONSUMER & WEALTH MANAGEMENT						
Management and other fees		1,217		1,224		1,223
Incentive fees		21		24		121
Private banking and lending		395		320		292
Wealth management		1,633		1,568		1,636
Consumer banking		744		608		382
Net revenues		2,377		2,176		2,018
Total net revenues	\$	11,975	\$	11,864	\$	13,608

% CHANGE FROM				
JUNE 30, 2022	SEPTEMBER 30, 2021			
(19) %	(41) %			
84	(79)			
(28)	(55)			
(3)	(70)			
(90)	(77)			
(26)	(57)			
(4)	40			
(1)	40			
(6)	41			
(2)	41			
(11)	(19)			
-	(5)			
(6)	(14)			
(4)	11			
2	42			
(78)	(64)			
N.M.	(44)			
69	(56)			
68	(20)			
(1)	-			
(13)	(83)			
23	35			
4	-			
22	95			
9	18			
1	(12)			

Geographic Net Revenues (unaudited)³

\$ in millions

	THREE MONTHS ENDED						
		SEPTEMBER 30, 2022		JUNE 30, 2022		SEPTEMBER 30, 2021	
Americas	\$	7,542	\$	7,047	\$	8,169	
EMEA		3,094		3,400		3,394	
Asia		1,339		1,417		2,045	
Total net revenues	\$	11,975	\$	11,864	\$	13,608	
Americas		63%		59%		60%	
EMEA		26%		29%		25%	
Asia		11%		12%		15%	
Total		100%		100%		100%	

The Goldman Sachs Group, Inc. and Subsidiaries

Segment Net Revenues (unaudited) \$ in millions

\$ III Millions	ı	NINE MONT	ED	% CHANGE FROM			
	SEPTE	MBER 30,	SEPTE	MBER 30,	SEPTEMBER 30,		
	2	022	2	021	2021		
INVESTMENT BANKING							
Financial advisory	\$	3,296	\$	4,022	(18) %		
Equity underwriting		633		3,986	(84)		
Debt underwriting		1,528		2,556	(40)		
Underwriting		2,161		6,542	(67)		
Corporate lending		667		516	29		
Net revenues		6,124		11,080	(45)		
GLOBAL MARKETS							
FICC intermediation		9,677		7,343	32		
FICC financing		2,178		1,378	58		
FICC		11,855		8,721	36		
Equities intermediation		5,444		6,271	(13)		
Equities financing		3,241		3,100	5		
Equities		8,685		9,371	(7)		
Net revenues		20,540		18,092	14		
ASSET MANAGEMENT							
Management and other fees		2,807		2,144	31		
Incentive fees		248		220	13		
Equity investments		(61)		7,772	N.M.		
Lending and debt investments		457		1,889	(76)		
Net revenues		3,451		12,025	(71)		
CONSUMER & WEALTH MANAGEMENT							
Management and other fees		3,696		3,409	8		
Incentive fees		72		162	(56)		
Private banking and lending		1,054		816	29		
Wealth management		4,822		4,387	10		
Consumer banking		1,835		1,116	64		
Net revenues		6,657		5,503	21		
Total net revenues	\$	36,772	\$	46,700	(21)		

Geographic Net Revenues (unaudited)³ \$ in millions

\$ IN MIIIIONS							
	NINE MONTHS ENDED						
		MBER 30,		EMBER 30,			
	2	2022	2021				
Americas	\$	21,975	\$	28,951			
EMEA		10,344		11,585			
Asia		4,453		6,164			
Total net revenues	\$	36,772	\$	46,700			
Americas		60%		62%			
EMEA		28%		25%			
Asia		12%		13%			
Total		100%		100%			

The Goldman Sachs Group, Inc. and Subsidiaries

Consolidated Statements of Earnings (unaudited) In millions, except per share amounts and headcount

The minorial of the particular and an another and modeled in	THREE MONTHS ENDED						
		MBER 30,		NE 30,	SEP	TEMBER 30,	
	2	2022 2022				2021	
REVENUES						2 - : :	
Investment banking	\$	1,541	\$	1,785	\$	3,548	
Investment management		2,276		2,393		2,139	
Commissions and fees		995		1,073		860	
Market making		4,642		4,929		3,929	
Other principal transactions		478		(50)		1,568	
Total non-interest revenues		9,932		10,130		12,044	
Interest income		8,550		4,851		3,117	
Interest expense		6,507		3,117		1,553	
Net interest income		2,043		1,734		1,564	
Total net revenues		11,975		11,864		13,608	
Provision for credit losses		515		667		175	
OPERATING EXPENSES							
Compensation and benefits		3,606		3,695		3,167	
Transaction based		1,317		1,317		1,139	
Market development		199		235		165	
Communications and technology		459		444		397	
Depreciation and amortization		666		570		509	
Occupancy		255		259		239	
Professional fees		465		490	433		
Other expenses		737		643		542	
Total operating expenses		7,704		7,653		6,591	
Pre-tax earnings		3,756		3,544		6,842	
Provision for taxes		687		617		1,464	
Net earnings		3,069		2,927		5,378	
Preferred stock dividends		107		141		94	
Net earnings applicable to common shareholders	\$	2,962	\$	2,786	\$	5,284	
EARNINGS PER COMMON SHARE							
Basic ³	\$	8.35	\$	7.81	\$	15.14	
Diluted	\$	8.25	\$	7.73	\$	14.93	
AVERAGE COMMON SHARES							
Basic		352.8		355.0		348.3	
Diluted		359.2		360.5		353.9	
SELECTED DATA AT PERIOD-END							
Common shareholders' equity	\$	108,587	\$	107,168	\$	96,344	
Basic shares ³		352.3		355.0		347.5	
Book value per common share	\$	308.22	\$	301.88	\$	277.25	
Headcount		49,100		47,000		43,000	

% CHAN	NGE FROM
JUNE 30,	SEPTEMBER 30,
2022	2021
(14) %	(57) %
(5)	6
(7)	16
(6)	18
N.M.	(70)
(2)	(18)
76	474
76 109	174 319
18	319
10	31
1	(12)
(23)	194
(2)	14
-	16
(15)	21
3	16
17	31
(2)	7
(5)	7
15	36
1	17
6	(45)
11	(53)
5	(43)
(24)	14
6	(44)
Ů	(11)
7 %	(45) %
7 7	(45) %
,	(43)
(4)	<u>, </u>
(1)	1
-	1
1	13
(1)	1
2	11
4	14

The Goldman Sachs Group, Inc. and Subsidiaries

Consolidated Statements of Earnings (unaudited) In millions, except per share amounts

in millions, except per snare amounts		NINE MON	% CHANGE FRO	DM			
	SEPTE	MBER 30,	SE	PTEMBER 30,	SEPTEMBER 30		
	2	2022		2021	2021		
REVENUES							
Investment banking	\$	5,457	\$	10,564	(48)	%	
Investment management		6,733		5,840	15		
Commissions and fees		3,079		2,766	11		
Market making		15,561		13,096	19		
Other principal transactions		338		9,759	(97)		
Total non-interest revenues		31,168		42,025	(26)		
Interest income		16,613		9,110	82		
Interest expense		11,009		4,435	148		
Net interest income		5,604		4,675	20		
Total net revenues	36,772 46,700		(21)				
Provision for credit losses		1,743		13	N.M.		
OPERATING EXPENSES							
Compensation and benefits		11,384		14,473	(21)		
Transaction based		3,878		3,520	10		
Market development		596		360	66		
Communications and technology		1,327		1,143	16		
Depreciation and amortization		1,728		1,527	13		
Occupancy		765		727	5		
Professional fees		1,392		1,137	22		
Other expenses		2,003		1,781	12		
Total operating expenses		23,073		24,668	(6)		
Pre-tax earnings		11,956		22,019	(46)		
Provision for taxes		2,021		4,319	(53)		
Net earnings		9,935		17,700	(44)		
Preferred stock dividends		356		358	(1)		
Net earnings applicable to common shareholders	\$	9,579	\$	17,342	(45)		
EARNINGS PER COMMON SHARE							
Basic ³	\$	27.03	\$	49.23	(45)	%	
Diluted	\$	26.71	\$	48.59	(45)		
AVERAGE COMMON SHARES							
Basic		353.0		351.8	-		
Diluted		358.6		356.9			

The Goldman Sachs Group, Inc. and Subsidiaries

Condensed Consolidated Balance Sheets (unaudited)⁴

\$ in billions

	AS OF					
		SEPTEMBER 30, 2022		IE 30, 022		
ASSETS						
Cash and cash equivalents	\$	284	\$	288		
Collateralized agreements		380		448		
Customer and other receivables		166		163		
Trading assets		384		372		
Investments		127		115		
Loans		177		176		
Other assets		39		39		
Total assets	\$	1,557	\$	1,601		
LIABILITIES AND SHAREHOLDERS' EQUITY						
Deposits	\$	395	\$	391		
Collateralized financings		219		228		
Customer and other payables		279		280		
Trading liabilities		232		255		
Unsecured short-term borrowings		52		58		
Unsecured long-term borrowings		240		251		
Other liabilities		21		20		
Total liabilities		1,438		1,483		
Shareholders' equity		119		118		
Total liabilities and shareholders' equity	\$	1,557	\$	1,601		

Capital Ratios and Supplementary Leverage Ratio (unaudited) 3,4 $^{\$}$ in billions

\$ III DIIIIOTIS							
		AS OF					
	SEPTEMBER 30,			JUNE 30,			
	20	022	20)22			
Common equity tier 1 capital	\$	98.7	\$	98.3			
STANDARDIZED CAPITAL RULES							
Risk-weighted assets	\$	689	\$	692			
Common equity tier 1 capital ratio		14.3%		14.2%			
ADVANCED CAPITAL RULES							
Risk-weighted assets	\$	675	\$	686			
Common equity tier 1 capital ratio		14.6%		14.3%			
SUPPLEMENTARY LEVERAGE RATIO							
Supplementary leverage ratio		5.6%		5.6%			

Average Daily VaR (unaudited)^{3,4} \$ in millions

\$ In millions							
	THREE MONTHS ENDED						
	SEPTEM 20		JUNE 30, 2022				
RISK CATEGORIES							
Interest rates	\$	112	\$	104			
Equity prices		34		36			
Currency rates		36		23			
Commodity prices		51		63			
Diversification effect		(103)		(102)			
Total	\$	130	\$	124			

The Goldman Sachs Group, Inc. and Subsidiaries

Assets Under Supervision (unaudited)^{3,4} § in billions

	AS OF							
	SEPTEMBER 30, 2022		JUNE 30, 2022		MBER 30, 021			
SEGMENT								
Asset Management	\$ 1,760	\$	1,824	\$	1,678			
Consumer & Wealth Management	667		671		694			
Total AUS	\$ 2,427	\$	2,495	\$	2,372			
ASSET CLASS								
Alternative investments	\$ 256	\$	254	\$	224			
Equity	516		552		569			
Fixed income	955		1,007		940			
Total long-term AUS	1,727		1,813		1,733			
Liquidity products	 700		682		639			
Total AUS	\$ 2,427	\$	2,495	\$	2,372			

		THREE MONTHS ENDED						
		MBER 30, JU 1022		E 30, 22	SEPTEMBER 30 2021			
ASSET MANAGEMENT								
Beginning balance	\$	1,824	\$	1,656	\$	1,633		
Net inflows / (outflows):								
Alternative investments		(2)		3		3		
Equity		(4)		(2)		3		
Fixed income		(1)		(2)		27		
Total long-term AUS net inflows / (outflows)		(7)		(1)		33		
Liquidity products		14		6		11		
Total AUS net inflows / (outflows)		7		5		44		
Acquisitions / (dispositions)		6		305		-		
Net market appreciation / (depreciation)		(77)		(142)		1		
Ending balance	\$	1,760	\$	1,824	\$	1,678		
CONSUMER & WEALTH MANAGEMENT								
Beginning balance	\$	671	\$	738	\$	672		
Net inflows / (outflows):	•		*		•			
Alternative investments		9		1		6		
Equity		2		3		9		
Fixed income		5		(1)		1		
Total long-term AUS net inflows / (outflows)		16		3		16		
Liquidity products		4		(13)		6		
Total AUS net inflows / (outflows)		20		(10)		22		
Acquisitions / (dispositions)		(2)		- ()				
Net market appreciation / (depreciation)		(22)		(57)		_		
Ending balance	\$	667	\$	671	\$	694		
FIRMWIDE								
Beginning balance	\$	2,495	\$	2,394	\$	2,305		
Net inflows / (outflows):	·	,	·	,	•	,		
Alternative investments		7		4		9		
Equity		(2)		1		12		
Fixed income		4		(3)		28		
Total long-term AUS net inflows / (outflows)		9		2		49		
Liquidity products		18		(7)		17		
Total AUS net inflows / (outflows)		27		(5)		66		
Acquisitions / (dispositions)		4		305				
Net market appreciation / (depreciation)		(99)		(199)		1		
Ending balance	\$	2,427	\$	2,495	\$	2,372		

Footnotes

1. Annualized ROE is calculated by dividing annualized net earnings applicable to common shareholders by average monthly common shareholders' equity. Annualized ROTE is calculated by dividing annualized net earnings applicable to common shareholders by average monthly tangible common shareholders' equity (tangible common shareholders' equity is calculated as total shareholders' equity less preferred stock, goodwill and identifiable intangible assets). Management believes that ROTE is meaningful because it measures the performance of businesses consistently, whether they were acquired or developed internally, and that tangible common shareholders' equity is meaningful because it is a measure that the firm and investors use to assess capital adequacy. ROTE and tangible common shareholders' equity are non-GAAP measures and may not be comparable to similar non-GAAP measures used by other companies.

The table below presents a reconciliation of average common shareholders' equity to average tangible common shareholders' equity:

	AVERAGE FOR THE						
Unaudited, \$ in millions	THREE MON SEPTEMBE		NINE MONTHS END SEPTEMBER 30, 20				
Total shareholders' equity	\$	118,013	\$	115,418			
Preferred stock		(10,703)		(10,703)			
Common shareholders' equity		107,310		104,715			
Goodwill		(6,242)		(5,546)			
Identifiable intangible assets		(1,987)		(1,463)			
Tangible common shareholders' equity	\$	99,081	\$	97,706			

- 2. Dealogic January 1, 2022 through September 30, 2022.
- 3. For information about the following items, see the referenced sections in Part I, Item 2 "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the firm's Quarterly Report on Form 10-Q for the period ended June 30, 2022: (i) investment banking transaction backlog see "Results of Operations Investment Banking" (ii) assets under supervision see "Results of Operations Assets Under Supervision" (iii) efficiency ratio see "Results of Operations Operations Operating Expenses" (iv) share repurchase program see "Capital Management and Regulatory Capital Capital Management" (v) global core liquid assets see "Risk Management Liquidity Risk Management" (vi) basic shares see "Balance Sheet and Funding Sources Balance Sheet Analysis and Metrics" and (vii) VaR see "Risk Management Market Risk Management."

For information about the following items, see the referenced sections in Part I, Item 1 "Financial Statements (Unaudited)" in the firm's Quarterly Report on Form 10-Q for the period ended June 30, 2022: (i) risk-based capital ratios and the supplementary leverage ratio – see Note 20 "Regulation and Capital Adequacy" (ii) geographic net revenues – see Note 25 "Business Segments" and (iii) unvested share-based awards that have non-forfeitable rights to dividends or dividend equivalents in calculating basic EPS – see Note 21 "Earnings Per Common Share."

4. Represents a preliminary estimate for the third quarter of 2022 and may be revised in the firm's Quarterly Report on Form 10-Q for the period ended September 30, 2022.