

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

FORM 10-Q

(Mark One)

☒ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended March 31, 2024
OR

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____
Commission file number: 001-37580

Alphabet Inc.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

61-1767919

(I.R.S. Employer Identification Number)

1600 Amphitheatre Parkway
Mountain View, CA 94043

(Address of principal executive offices, including zip code)

(650) 253-0000

(Registrant's telephone number, including area code)

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

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Class A Common Stock, \$0.001 par value	GOOGL	Nasdaq Stock Market LLC (Nasdaq Global Select Market)
Class C Capital Stock, \$0.001 par value	GOOG	Nasdaq Stock Market LLC (Nasdaq Global Select Market)

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (\$232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

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

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
Emerging growth company	<input type="checkbox"/>		

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

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of April 18, 2024, there were 5,874 million shares of Alphabet's Class A stock outstanding, 867 million shares of Alphabet's Class B stock outstanding, and 5,617 million shares of Alphabet's Class C stock outstanding.

Alphabet Inc.
Form 10-Q
For the Quarterly Period Ended March 31, 2024
TABLE OF CONTENTS

	<u>Page No.</u>
Note About Forward-Looking Statements	3
 PART I. FINANCIAL INFORMATION	
Item 1 Financial Statements	5
Consolidated Balance Sheets - December 31, 2023 and March 31, 2024	5
Consolidated Statements of Income - Three Months Ended March 31, 2023 and 2024	6
Consolidated Statements of Comprehensive Income - Three Months Ended March 31, 2023 and 2024	7
Consolidated Statements of Stockholders' Equity - Three Months Ended March 31, 2023 and 2024	8
Consolidated Statements of Cash Flows - Three Months Ended March 31, 2023 and 2024	9
Notes to Consolidated Financial Statements	10
Item 2 Management's Discussion and Analysis of Financial Condition and Results of Operations	29
Item 3 Quantitative and Qualitative Disclosures About Market Risk	42
Item 4 Controls and Procedures	42
 PART II. OTHER INFORMATION	
Item 1 Legal Proceedings	43
Item 1A Risk Factors	43
Item 2 Unregistered Sales of Equity Securities and Use of Proceeds	44
Item 5 Other Information	44
Item 6 Exhibits	45
Signatures	46

Note About Forward-Looking Statements

This Quarterly Report on Form 10-Q contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These include, among other things, statements regarding:

- the growth of our business and revenues and our expectations about the factors that influence our success and trends in our business;
- fluctuations in our revenues and margins and various factors contributing to such fluctuations;
- our expectation that the continuing shift from an offline to online world will continue to benefit our business;
- our expectation that the portion of our revenues that we derive beyond advertising will continue to increase and may affect our margins;
- our expectation that our traffic acquisition costs (TAC) and the associated TAC rate will fluctuate, which could affect our overall margins;
- our expectation that our monetization trends will fluctuate, which could affect our revenues and margins;
- fluctuations in paid clicks and cost-per-click as well as impressions and cost-per-impression, and various factors contributing to such fluctuations;
- our expectation that we will continue to periodically review, refine, and update our methodologies for monitoring, gathering, and counting the number of paid clicks and impressions;
- our expectation that our results will be affected by our performance in international markets as users in developing economies increasingly come online;
- our expectation that our foreign exchange risk management program will not fully offset our net exposure to fluctuations in foreign currency exchange rates;
- the expected variability of gains and losses related to hedging activities under our foreign exchange risk management program;
- the amount and timing of revenue recognition from customer contracts with commitments for performance obligations, including our estimate of the remaining amount of commitments and when we expect to recognize revenue;
- our expectation that our capital expenditures will increase, including the expected increase in our technical infrastructure investment to support the growth of our business and our long-term initiatives, in particular in support of artificial intelligence (AI) products and services;
- our plans to continue to invest in new businesses, products, services and technologies, and systems, as well as to continue to invest in acquisitions and strategic investments;
- our pace of hiring and our plans to provide competitive compensation programs;
- our expectation that our cost of revenues, research and development (R&D) expenses, sales and marketing expenses, and general and administrative expenses may increase in amount and/or may increase as a percentage of revenues and may be affected by a number of factors;
- estimates of our future compensation expenses;
- our expectation that our other income (expense), net (OI&E), will fluctuate in the future, as it is largely driven by market dynamics;
- our expectation that our effective tax rate and cash tax payments could increase in future years;
- seasonal fluctuations in internet usage and advertiser expenditures, underlying business trends such as traditional retail seasonality, which are likely to cause fluctuations in our quarterly results;
- the sufficiency of our sources of funding;
- our potential exposure in connection with new and pending investigations, proceedings, and other contingencies, including the possibility that certain legal proceedings to which we are a party could harm our business, financial condition, and operating results;
- our expectation that we will continue to face heightened regulatory scrutiny, and changes in regulatory conditions, laws, and public policies, which could affect our business practices and financial results;

- the expected timing, amount, and effect of Alphabet Inc.'s share repurchases and dividends;
- our long-term sustainability and diversity goals;

as well as other statements regarding our future operations, financial condition and prospects, and business strategies. Forward-looking statements may appear throughout this report and other documents we file with the Securities and Exchange Commission (SEC), including without limitation, the following sections: Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations" in this Quarterly Report on Form 10-Q and Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, as updated in this Quarterly Report on Form 10-Q. Forward-looking statements generally can be identified by words such as "anticipates," "believes," "could," "estimates," "expects," "intends," "may," "plans," "predicts," "projects," "will be," "will continue," "will likely result," and similar expressions. These forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties, which could cause our actual results to differ materially from those reflected in the forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed in this Quarterly Report on Form 10-Q; the risks discussed in Part I, Item 1A, "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, as updated in this Quarterly Report on Form 10-Q; the trends discussed in Part II, Item 7, "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023; and those discussed in other documents we file with the SEC. We undertake no obligation to revise or publicly release the results of any revision to these forward-looking statements, except as required by law. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements.

As used herein, "Alphabet," "the company," "we," "us," "our," and similar terms include Alphabet Inc. and its subsidiaries, unless the context indicates otherwise.

"Alphabet," "Google," and other trademarks of ours appearing in this report are our property. We do not intend our use or display of other companies' trade names or trademarks to imply an endorsement or sponsorship of us by such companies, or any relationship with any of these companies.

PART I. FINANCIAL INFORMATION
ITEM 1. FINANCIAL STATEMENTS

Alphabet Inc.
CONSOLIDATED BALANCE SHEETS
(in millions, except par value per share amounts)

	As of December 31, 2023	As of March 31, 2024 (unaudited)
Assets		
Current assets:		
Cash and cash equivalents	\$ 24,048	\$ 24,493
Marketable securities	86,868	83,597
Total cash, cash equivalents, and marketable securities	110,916	108,090
Accounts receivable, net	47,964	44,552
Other current assets	12,650	12,829
Total current assets	171,530	165,471
Non-marketable securities	31,008	33,994
Deferred income taxes	12,169	11,687
Property and equipment, net	134,345	143,182
Operating lease assets	14,091	13,768
Goodwill	29,198	29,183
Other non-current assets	10,051	10,065
Total assets	<u>\$ 402,392</u>	<u>\$ 407,350</u>
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 7,493	\$ 6,198
Accrued compensation and benefits	15,140	9,703
Accrued expenses and other current liabilities	46,168	48,603
Accrued revenue share	8,876	8,520
Deferred revenue	4,137	3,973
Total current liabilities	81,814	76,997
Long-term debt	13,253	13,228
Deferred revenue, non-current	911	921
Income taxes payable, non-current	8,474	9,234
Deferred income taxes	485	486
Operating lease liabilities	12,460	11,957
Other long-term liabilities	1,616	1,683
Total liabilities	119,013	114,506
Commitments and Contingencies (Note 8)		
Stockholders' equity:		
Preferred stock, \$0.001 par value per share, 100 shares authorized; no shares issued and outstanding	0	0
Class A, Class B, and Class C stock and additional paid-in capital, \$0.001 par value per share: 300,000 shares authorized (Class A 180,000, Class B 60,000, Class C 60,000); 12,460 (Class A 5,899, Class B 870, Class C 5,691) and 12,381 (Class A 5,879, Class B 867, Class C 5,635) shares issued and outstanding	76,534	77,913
Accumulated other comprehensive income (loss)	(4,402)	(4,839)
Retained earnings	211,247	219,770
Total stockholders' equity	283,379	292,844
Total liabilities and stockholders' equity	<u>\$ 402,392</u>	<u>\$ 407,350</u>

See accompanying notes.

Alphabet Inc.
CONSOLIDATED STATEMENTS OF INCOME
(in millions, except per share amounts; unaudited)

	Three Months Ended March 31,	
	2023	2024
Revenues	\$ 69,787	\$ 80,539
Costs and expenses:		
Cost of revenues	30,612	33,712
Research and development	11,468	11,903
Sales and marketing	6,533	6,426
General and administrative	3,759	3,026
Total costs and expenses	52,372	55,067
Income from operations	17,415	25,472
Other income (expense), net	790	2,843
Income before income taxes	18,205	28,315
Provision for income taxes	3,154	4,653
Net income	\$ 15,051	\$ 23,662
Basic net income per share of Class A, Class B, and Class C stock	\$ 1.18	\$ 1.91
Diluted net income per share of Class A, Class B, and Class C stock	\$ 1.17	\$ 1.89

See accompanying notes.

Alphabet Inc.
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(in millions; unaudited)

	Three Months Ended	
	March 31,	
	2023	2024
Net income	\$ 15,051	\$ 23,662
Other comprehensive income (loss):		
Change in foreign currency translation adjustment, net of income tax benefit (expense) of \$47 and \$(18)	596	(503)
Available-for-sale investments:		
Change in net unrealized gains (losses)	866	(360)
Less: reclassification adjustment for net (gains) losses included in net income	292	311
Net change, net of income tax benefit (expense) of \$(330) and \$14	1,158	(49)
Cash flow hedges:		
Change in net unrealized gains (losses)	(74)	186
Less: reclassification adjustment for net (gains) losses included in net income	(77)	(71)
Net change, net of income tax benefit (expense) of \$30 and \$(23)	(151)	115
Other comprehensive income (loss)	1,603	(437)
Comprehensive income	\$ 16,654	\$ 23,225

See accompanying notes.

Alphabet Inc.
CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
(in millions; unaudited)

Three Months Ended March 31, 2023

	Class A, Class B, Class C Stock and Additional Paid-In Capital		Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Total Stockholders' Equity
	Shares	Amount			
Balance as of December 31, 2022	12,849	\$ 68,184	\$ (7,603)	\$ 195,563	\$ 256,144
Stock issued	30	0	0	0	0
Stock-based compensation expense	0	5,313	0	0	5,313
Tax withholding related to vesting of restricted stock units and other	0	(2,093)	0	0	(2,093)
Repurchases of stock	(157)	(1,135)	0	(13,989)	(15,124)
Net income	0	0	0	15,051	15,051
Other comprehensive income (loss)	0	0	1,603	0	1,603
Balance as of March 31, 2023	12,722	\$ 70,269	\$ (6,000)	\$ 196,625	\$ 260,894

Three Months Ended March 31, 2024

	Class A, Class B, Class C Stock and Additional Paid-In Capital		Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Total Stockholders' Equity
	Shares	Amount			
Balance as of December 31, 2023	12,460	\$ 76,534	\$ (4,402)	\$ 211,247	\$ 283,379
Stock issued	32	0	0	0	0
Stock-based compensation expense	0	5,293	0	0	5,293
Tax withholding related to vesting of restricted stock units and other	0	(2,996)	0	0	(2,996)
Repurchases of stock	(111)	(918)	0	(15,139)	(16,057)
Net income	0	0	0	23,662	23,662
Other comprehensive income (loss)	0	0	(437)	0	(437)
Balance as of March 31, 2024	12,381	\$ 77,913	\$ (4,839)	\$ 219,770	\$ 292,844

See accompanying notes.

Alphabet Inc.
CONSOLIDATED STATEMENTS OF CASH FLOWS
(in millions; unaudited)

	Three Months Ended March 31,	
	2023	2024
Operating activities		
Net income	\$ 15,051	\$ 23,662
Adjustments:		
Depreciation of property and equipment	2,635	3,413
Stock-based compensation expense	5,284	5,264
Deferred income taxes	(1,854)	419
Loss (gain) on debt and equity securities, net	(84)	(1,781)
Other	1,104	334
Changes in assets and liabilities, net of effects of acquisitions:		
Accounts receivable, net	4,454	3,167
Income taxes, net	4,069	3,011
Other assets	(746)	(1,000)
Accounts payable	(1,105)	(2,124)
Accrued expenses and other liabilities	(4,496)	(5,054)
Accrued revenue share	(602)	(322)
Deferred revenue	(201)	(141)
Net cash provided by operating activities	23,509	28,848
Investing activities		
Purchases of property and equipment	(6,289)	(12,012)
Purchases of marketable securities	(14,227)	(20,684)
Maturities and sales of marketable securities	18,327	24,985
Purchases of non-marketable securities	(626)	(1,206)
Maturities and sales of non-marketable securities	36	313
Acquisitions, net of cash acquired, and purchases of intangible assets	(42)	(61)
Other investing activities	(125)	101
Net cash used in investing activities	(2,946)	(8,564)
Financing activities		
Net payments related to stock-based award activities	(1,989)	(2,929)
Repurchases of stock	(14,557)	(15,696)
Proceeds from issuance of debt, net of costs	6,927	1,982
Repayments of debt	(6,952)	(3,079)
Proceeds from sale of interest in consolidated entities, net	3	8
Net cash used in financing activities	(16,568)	(19,714)
Effect of exchange rate changes on cash and cash equivalents	50	(125)
Net increase (decrease) in cash and cash equivalents	4,045	445
Cash and cash equivalents at beginning of period	21,879	24,048
Cash and cash equivalents at end of period	\$ 25,924	\$ 24,493

See accompanying notes.

Alphabet Inc.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

Note 1. Summary of Significant Accounting Policies**Nature of Operations**

Google was incorporated in California in September 1998 and re-incorporated in the State of Delaware in August 2003. In 2015, we implemented a holding company reorganization, and as a result, Alphabet Inc. ("Alphabet") became the successor issuer to Google.

We generate revenues by delivering relevant, cost-effective online advertising; cloud-based solutions that provide enterprise customers with infrastructure and platform services as well as communication and collaboration tools; sales of other products and services, such as fees received for subscription-based products, apps and in-app purchases, and devices.

Basis of Consolidation

The consolidated financial statements of Alphabet include the accounts of Alphabet and entities consolidated under the variable interest and voting models. Intercompany balances and transactions have been eliminated.

Unaudited Interim Financial Information

These unaudited interim consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the United States (GAAP), and in our opinion, include all adjustments of a normal recurring nature necessary for fair financial statement presentation. Interim results are not necessarily indicative of the results to be expected for the full year ending December 31, 2024. We have made estimates and assumptions that affect the amounts reported and disclosed in the financial statements and the accompanying notes. Actual results could differ materially from these estimates.

These consolidated financial statements and other information presented in this Form 10-Q should be read in conjunction with the consolidated financial statements and the related notes included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 filed with the SEC.

Recent Accounting Pronouncements

In November 2023, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2023-07 "Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures" which expands annual and interim disclosure requirements for reportable segments, primarily through enhanced disclosures about significant segment expenses. ASU 2023-07 is effective for our annual periods beginning January 1, 2024, and for interim periods beginning January 1, 2025, with early adoption permitted. We are currently evaluating the potential effect that the updated standard will have on our financial statement disclosures.

In December 2023, the FASB issued ASU 2023-09 "Income Taxes (Topics 740): Improvements to Income Tax Disclosures" to expand the disclosure requirements for income taxes, specifically related to the rate reconciliation and income taxes paid. ASU 2023-09 is effective for our annual periods beginning January 1, 2025, with early adoption permitted. We are currently evaluating the potential effect that the updated standard will have on our financial statement disclosures.

Prior Period Reclassifications

Certain amounts in prior periods have been reclassified to conform with current period presentation.

Note 2. Revenues

Disaggregated Revenues

The following table presents revenues disaggregated by type (in millions):

	Three Months Ended March 31,			
	2023		2024	
Google Search & other	\$	40,359	\$	46,156
YouTube ads		6,693		8,090
Google Network		7,496		7,413
Google advertising		54,548		61,659
Google subscriptions, platforms, and devices		7,413		8,739
Google Services total		61,961		70,398
Google Cloud		7,454		9,574
Other Bets		288		495
Hedging gains (losses)		84		72
Total revenues	\$	69,787	\$	80,539

The following table presents revenues disaggregated by geography, based on the addresses of our customers (in millions):

	Three Months Ended March 31,					
	2023			2024		
United States	\$	32,864	47 %	\$	38,737	48 %
EMEA ⁽¹⁾		21,078	30		23,788	30
APAC ⁽¹⁾		11,681	17		13,289	16
Other Americas ⁽¹⁾		4,080	6		4,653	6
Hedging gains (losses)		84	0		72	0
Total revenues	\$	69,787	100 %	\$	80,539	100 %

⁽¹⁾ Regions represent Europe, the Middle East, and Africa (EMEA); Asia-Pacific (APAC); and Canada and Latin America ("Other Americas").

Revenue Backlog

As of March 31, 2024, we had \$72.5 billion of remaining performance obligations ("revenue backlog"), primarily related to Google Cloud. Our revenue backlog represents commitments in customer contracts for future services that have not yet been recognized as revenue. The estimated revenue backlog and timing of revenue recognition for these commitments is largely driven by our ability to deliver in accordance with relevant contract terms and when our customers utilize services. We expect to recognize approximately half of the revenue backlog as revenues over the next 24 months with the remaining to be recognized thereafter. Revenue backlog includes related deferred revenue currently recorded as well as amounts that will be invoiced in future periods, and excludes contracts with an original expected term of one year or less and cancellable contracts.

Deferred Revenues

We record deferred revenues when cash payments are received or due in advance of our performance, including amounts which are refundable. Deferred revenues primarily relate to Google Cloud and Google subscriptions, platforms, and devices. Total deferred revenue as of December 31, 2023 was \$5.0 billion, of which \$2.4 billion was recognized as revenues during the three months ended March 31, 2024.

Note 3. Financial Instruments

Fair Value Measurements

Investments Measured at Fair Value on a Recurring Basis

Cash, cash equivalents, and marketable equity securities are measured at fair value and classified within Level 1 and Level 2 in the fair value hierarchy, because we use quoted prices for identical assets in active markets

or inputs that are based upon quoted prices for similar instruments in active markets.

Debt securities are measured at fair value and classified within Level 2 in the fair value hierarchy, because we use quoted market prices to the extent available or alternative pricing sources and models utilizing market observable inputs to determine fair value. For certain marketable debt securities, we have elected the fair value option for which changes in fair value are recorded in OI&E. The fair value option was elected for these securities to align with the unrealized gains and losses from related derivative contracts.

The following tables summarize our cash, cash equivalents, and marketable securities measured at fair value on a recurring basis (in millions):

		As of December 31, 2023					
	Fair Value Hierarchy	Adjusted Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	Cash and Cash Equivalents	Marketable Securities
Fair value changes recorded in other comprehensive income							
Time deposits	Level 2	\$ 2,628	\$ 0	\$ 0	\$ 2,628	\$ 2,628	\$ 0
Government bonds	Level 2	38,106	233	(679)	37,660	1,993	35,667
Corporate debt securities	Level 2	22,457	112	(637)	21,932	0	21,932
Mortgage-backed and asset-backed securities	Level 2	17,243	88	(634)	16,697	0	16,697
Total investments with fair value change reflected in other comprehensive income ⁽¹⁾		\$ 80,434	\$ 433	\$ (1,950)	\$ 78,917	\$ 4,621	\$ 74,296
Fair value adjustments recorded in net income							
Money market funds	Level 1				\$ 6,480	\$ 6,480	\$ 0
Current marketable equity securities ⁽²⁾	Level 1				4,282	0	4,282
Mutual funds	Level 2				311	0	311
Government bonds	Level 2				1,952	347	1,605
Corporate debt securities	Level 2				3,782	91	3,691
Mortgage-backed and asset-backed securities	Level 2				2,683	0	2,683
Total investments with fair value change recorded in net income					\$ 19,490	\$ 6,918	\$ 12,572
Cash					0	12,509	0
Total		\$ 80,434	\$ 433	\$ (1,950)	\$ 98,407	\$ 24,048	\$ 86,868

⁽¹⁾ Represents gross unrealized gains and losses for debt securities recorded to accumulated other comprehensive income (AOCI).

⁽²⁾ The long-term portion of marketable equity securities (subject to long-term lock-up restrictions) of \$1.4 billion as of December 31, 2023 is included within other non-current assets.

As of March 31, 2024							
	Fair Value Hierarchy	Adjusted Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value	Cash and Cash Equivalents	Marketable Securities
Fair value changes recorded in other comprehensive income							
Time deposits	Level 2	\$ 2,812	\$ 0	\$ 0	\$ 2,812	\$ 2,812	\$ 0
Government bonds	Level 2	36,336	88	(595)	35,829	2,724	33,105
Corporate debt securities	Level 2	22,085	64	(546)	21,603	0	21,603
Mortgage-backed and asset-backed securities	Level 2	17,018	47	(642)	16,423	0	16,423
Total investments with fair value change reflected in other comprehensive income ⁽¹⁾		\$ 78,251	\$ 199	\$ (1,783)	\$ 76,667	\$ 5,536	\$ 71,131
Fair value adjustments recorded in net income							
Money market funds	Level 1				\$ 6,890	\$ 6,890	\$ 0
Current marketable equity securities ⁽²⁾	Level 1				3,998	0	3,998
Mutual funds	Level 2				278	0	278
Government bonds	Level 2				1,965	158	1,807
Corporate debt securities	Level 2				3,772	80	3,692
Mortgage-backed and asset-backed securities	Level 2				2,691	0	2,691
Total investments with fair value change recorded in net income					\$ 19,594	\$ 7,128	\$ 12,466
Cash					0	11,829	0
Total		\$ 78,251	\$ 199	\$ (1,783)	\$ 96,261	\$ 24,493	\$ 83,597

⁽¹⁾ Represents gross unrealized gains and losses for debt securities recorded to AOCI.

⁽²⁾ The long-term portion of marketable equity securities (subject to long-term lock-up restrictions) of \$1.4 billion as of March 31, 2024 is included within other non-current assets.

Investments Measured at Fair Value on a Nonrecurring Basis

Our non-marketable equity securities are investments in privately held companies without readily determinable market values. The carrying value of our non-marketable equity securities is adjusted to fair value upon observable transactions for identical or similar investments of the same issuer or impairment. Non-marketable equity securities that have been remeasured during the period based on observable transactions are classified within Level 2 or Level 3 in the fair value hierarchy. Non-marketable equity securities that have been remeasured due to impairment are classified within Level 3. Our valuation methods include option pricing models, market comparable approach, and common stock equivalent method, which may include a combination of the observable transaction price at the transaction date and other unobservable inputs including volatility, expected time to exit, risk free rate, and the rights, and obligations of the securities we hold. These inputs significantly vary based on investment type.

As of March 31, 2024, the carrying value of our non-marketable equity securities was \$31.4 billion, of which \$13.6 billion were remeasured at fair value during the three months ended March 31, 2024 and primarily classified within Level 2 of the fair value hierarchy at the time of measurement.

Debt Securities

The following table summarizes the estimated fair value of investments in available-for-sale marketable debt securities by effective contractual maturity dates (in millions):

	As of March 31, 2024
Due in 1 year or less	\$ 8,551
Due in 1 year through 5 years	42,755
Due in 5 years through 10 years	13,972
Due after 10 years	14,043
Total	\$ 79,321

The following tables present fair values and gross unrealized losses recorded to AOCI, aggregated by investment category and the length of time that individual securities have been in a continuous loss position (in millions):

	As of December 31, 2023					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Loss	Fair Value	Unrealized Loss	Fair Value	Unrealized Loss
Government bonds	\$ 1,456	\$ (22)	\$ 13,897	\$ (657)	\$ 15,353	\$ (679)
Corporate debt securities	827	(5)	15,367	(592)	16,194	(597)
Mortgage-backed and asset-backed securities	2,945	(26)	7,916	(608)	10,861	(634)
Total	\$ 5,228	\$ (53)	\$ 37,180	\$ (1,857)	\$ 42,408	\$ (1,910)

	As of March 31, 2024					
	Less than 12 Months		12 Months or Greater		Total	
	Fair Value	Unrealized Loss	Fair Value	Unrealized Loss	Fair Value	Unrealized Loss
Government bonds	\$ 14,539	\$ (116)	\$ 9,276	\$ (479)	\$ 23,815	\$ (595)
Corporate debt securities	2,653	(8)	13,022	(494)	15,675	(502)
Mortgage-backed and asset-backed securities	4,895	(79)	6,851	(563)	11,746	(642)
Total	\$ 22,087	\$ (203)	\$ 29,149	\$ (1,536)	\$ 51,236	\$ (1,739)

We determine realized gains or losses on the sale or extinguishment of debt securities on a specific identification method. The following table summarizes gains and losses for debt securities, reflected as a component of OI&E (in millions):

	Three Months Ended March 31,	
	2023	2024
Unrealized gain (loss) on fair value option debt securities	\$ 145	\$ (46)
Gross realized gain on debt securities	57	68
Gross realized loss on debt securities	(492)	(480)
(Increase) decrease in allowance for credit losses	(3)	(4)
Total gain (loss) on debt securities recognized in other income (expense), net	\$ (293)	\$ (462)

Equity Investments

The carrying value of equity securities is measured as the total initial cost plus the cumulative net gain (loss). Gains and losses, including impairments, are included as a component of OI&E in the Consolidated Statements of Income. See Note 6 for further details on OI&E.

The carrying values for marketable and non-marketable equity securities are summarized below (in millions):

	As of December 31, 2023			As of March 31, 2024		
	Marketable Equity Securities	Non- Marketable Equity Securities	Total	Marketable Equity Securities	Non- Marketable Equity Securities	Total
Total initial cost	\$ 5,418	\$ 17,616	\$ 23,034	\$ 5,083	\$ 18,505	\$ 23,588
Cumulative net gain (loss) ⁽¹⁾	555	11,150	11,705	570	12,925	13,495
Carrying value	\$ 5,973	\$ 28,766	\$ 34,739	\$ 5,653	\$ 31,430	\$ 37,083

⁽¹⁾ Non-marketable equity securities cumulative net gain (loss) is comprised of \$18.1 billion gains and \$6.9 billion losses (including impairments) as of December 31, 2023 and \$20.6 billion gains and \$7.7 billion losses (including impairments) as of March 31, 2024.

Gains and Losses on Marketable and Non-marketable Equity Securities

Gains and losses (including impairments), net, for marketable and non-marketable equity securities included in OI&E are summarized below (in millions):

		Three Months Ended March 31,	
		2023	2024
Realized net gain (loss) on equity securities sold during the period	\$	105	95
Realized net gain (loss) on marketable equity securities		51	164
Realized net gain (loss) on non-marketable equity securities ⁽¹⁾		221	1,984
Total gain (loss) on equity securities in other income (expense), net	\$	377	2,243

⁽¹⁾ Unrealized gain (loss) on non-marketable equity securities accounted for under the measurement alternative is comprised of \$915 million and \$2.8 billion of upward adjustments and \$694 million and \$814 million of downward adjustments (including impairments) for the three months ended March 31, 2023 and 2024, respectively.

In the table above, realized net gain (loss) on equity securities sold during the period reflects the difference between the sale proceeds and the carrying value of the equity securities at the beginning of the period or the purchase date, if later.

Cumulative net gains (losses) on equity securities sold during the period, which is summarized in the following table (in millions), represents the total net gains (losses) recognized after the initial purchase date of the equity security sold during the period. While these net gains (losses) may have been reflected in periods prior to the period of sale, we believe they are important supplemental information as they reflect the economic net gains (losses) on the securities sold during the period. Cumulative net gains (losses) are calculated as the difference between the sale price and the initial purchase price for the equity security sold during the period.

	Equity Securities Sold Three Months Ended March 31,	
	2023	2024
Total sale price	\$ 312	\$ 1,090
Total initial cost	211	661
Cumulative net gains (losses)	\$ 101	\$ 429

Equity Securities Accounted for Under the Equity Method

As of December 31, 2023 and March 31, 2024, equity securities accounted for under the equity method had a carrying value of approximately \$1.7 billion and \$2.0 billion, respectively. Our share of gains and losses, including impairments, are included as a component of OI&E, in the Consolidated Statements of Income. See Note 6 for further details on OI&E.

Derivative Financial Instruments

We use derivative instruments to manage risks relating to our ongoing business operations. The primary risk managed is foreign exchange risk. We use foreign currency contracts to reduce the risk that our cash flows, earnings, and investment in foreign subsidiaries will be adversely affected by foreign currency exchange rate fluctuations. We also enter into derivative instruments to partially offset our exposure to other risks and enhance investment returns.

We recognize derivative instruments in the Consolidated Balance Sheets at fair value and classify the derivatives primarily within Level 2 in the fair value hierarchy. We present our collar contracts (an option strategy comprised of a combination of purchased and written options) at net fair values and present all other derivatives at gross fair values. The accounting treatment for derivatives is based on the intended use and hedge designation.

Cash Flow Hedges

We designate foreign currency forward and option contracts (including collars) as cash flow hedges to hedge certain forecasted revenue transactions denominated in currencies other than the United States (U.S.) dollar. These contracts have maturities of 24 months or less.

Cash flow hedge amounts included in the assessment of hedge effectiveness are deferred in AOCI and subsequently reclassified to revenue when the hedged item is recognized in earnings. We exclude forward points and time value from our assessment of hedge effectiveness and amortize them on a straight-line basis over the life of the hedging instrument in revenues. The difference between fair value changes of the excluded component and the amount amortized to revenues is recorded in AOCI.

As of March 31, 2024, the net accumulated gain on our foreign currency cash flow hedges before tax effect was \$128 million, which is expected to be reclassified from AOCI into revenues within the next 12 months.

Fair Value Hedges

We designate foreign currency forward contracts as fair value hedges to hedge foreign currency risks for our marketable securities denominated in currencies other than the U.S. dollar. Fair value hedge amounts included in the assessment of hedge effectiveness are recognized in OI&E, along with the offsetting gains and losses of the related hedged items. We exclude forward points from the assessment of hedge effectiveness and recognize changes in the excluded component in OI&E.

Net Investment Hedges

We designate foreign currency forward contracts as net investment hedges to hedge the foreign currency risks related to our investment in foreign subsidiaries. Net investment hedge amounts included in the assessment of hedge effectiveness are recognized in AOCI along with the foreign currency translation adjustment. We exclude forward points from the assessment of hedge effectiveness and recognize changes in the excluded component in OI&E.

Other Derivatives

We enter into foreign currency forward and option contracts that are not designated as hedging instruments to hedge intercompany transactions and other monetary assets or liabilities denominated in currencies other than the functional currency of a subsidiary. Gains and losses on these derivatives that are not designated as accounting hedges are primarily recorded in OI&E along with the foreign currency gains and losses on monetary assets and liabilities.

We also use derivatives not designated as hedging instruments to manage risks relating to interest rates, commodity prices, and credit exposures, and to enhance investment returns. From time to time, we enter into derivatives to hedge the market price risk on certain of our marketable equity securities. Gains and losses arising from other derivatives are primarily reflected within the "other" component of OI&E. See Note 6 for further details.

The gross notional amounts of outstanding derivative instruments were as follows (in millions):

	As of December 31, 2023	As of March 31, 2024
Derivatives designated as hedging instruments:		
Foreign exchange contracts		
Cash flow hedges	\$ 18,039	\$ 17,726
Fair value hedges	\$ 2,065	\$ 1,847
Net investment hedges	\$ 9,472	\$ 9,321
Derivatives not designated as hedging instruments:		
Foreign exchange contracts ⁽¹⁾	\$ 39,722	\$ 107,978
Other contracts	\$ 10,818	\$ 10,902

⁽¹⁾ The gross notional amounts of these derivative instruments as of March 31, 2024 reflect a rollover in timing of settlement into our second quarter as a result of a holiday market closure.

The fair values of outstanding derivative instruments were as follows (in millions):

	As of December 31, 2023		As of March 31, 2024	
	Assets ⁽¹⁾	Liabilities ⁽²⁾	Assets ⁽¹⁾	Liabilities ⁽²⁾
Derivatives designated as hedging instruments:				
Foreign exchange contracts	\$ 205	\$ 242	\$ 150	\$ 125
Derivatives not designated as hedging instruments:				
Foreign exchange contracts	134	156	317	221
Other contracts	114	47	164	40
Total derivatives not designated as hedging instruments	248	203	481	261
Total	\$ 453	\$ 445	\$ 631	\$ 386

⁽¹⁾ Derivative assets are recorded as other current and non-current assets in the Consolidated Balance Sheets.

⁽²⁾ Derivative liabilities are recorded as accrued expenses and other liabilities, current and non-current in the Consolidated Balance Sheets.

The gains (losses) on derivatives in cash flow hedging and net investment hedging relationships recognized in other comprehensive income (OCI) are summarized below (in millions):

	Three Months Ended March 31,	
	2023	2024
Derivatives in cash flow hedging relationship:		
Foreign exchange contracts		
Amount included in the assessment of effectiveness	\$ (138)	\$ 155
Amount excluded from the assessment of effectiveness	47	58
Derivatives in net investment hedging relationship:		
Foreign exchange contracts		
Amount included in the assessment of effectiveness	(215)	82
Total	\$ (306)	\$ 295

The table below presents the gains (losses) of our derivatives on the Consolidated Statements of Income: (in millions):

	Three Months Ended March 31, 2024			
	2023		2024	
	Revenues	Other income (expense), net	Revenues	Other income (expense), net
Total amounts in the Consolidated Statements of Income	\$ 69,787	\$ 790	\$ 80,539	\$ 2,843
Effect of cash flow hedges:				
Foreign exchange contracts				
Amount reclassified from AOCI to income	\$ 88	\$ 0	\$ 74	\$ 0
Amount excluded from the assessment of effectiveness (amortized)	(4)	0	(2)	0
Effect of fair value hedges:				
Foreign exchange contracts				
Hedged items	0	32	0	(16)
Derivatives designated as hedging instruments	0	(32)	0	15
Amount excluded from the assessment of effectiveness	0	5	0	3
Effect of net investment hedges:				
Foreign exchange contracts				
Amount excluded from the assessment of effectiveness	0	51	0	36
Effect of non designated hedges:				
Foreign exchange contracts	0	30	0	21
Other contracts	0	3	0	76
Total gains (losses)	\$ 84	\$ 89	\$ 72	\$ 135

Offsetting of Derivatives

We enter into master netting arrangements and collateral security arrangements to reduce credit risk. Cash collateral received related to derivative instruments under our collateral security arrangements are included in other current assets with a corresponding liability. Cash and non-cash collateral pledged related to derivative instruments under our collateral security arrangements are included in other current assets.

The gross amounts of derivative instruments subject to master netting arrangements with various counterparties, and cash and non-cash collateral received and pledged under such agreements were as follows (in millions):

	As of December 31, 2023					
	Gross Amounts Recognized	Gross Amounts Offset in the Consolidated Balance Sheets	Net Amounts Presented in the Consolidated Balance Sheets	Gross Amounts Not Offset in the Consolidated Balance Sheets, but Have Legal Rights to Offset		Net Amounts
				Financial Instruments ⁽¹⁾	Cash and Non-Cash Collateral Received or Pledged	
Derivatives assets	\$ 535	\$ (82)	\$ 453	\$ (213)	\$ (75)	\$ 165
Derivatives liabilities	\$ 527	\$ (82)	\$ 445	\$ (213)	\$ (16)	\$ 216

As of March 31, 2024

	Gross Amounts Recognized	Gross Amounts Offset in the Consolidated Balance Sheets	Net Amounts Presented in the Consolidated Balance Sheets	Gross Amounts Not Offset in the Consolidated Balance Sheets, but Have Legal Rights to Offset		Net Amounts
				Financial Instruments ⁽¹⁾	Cash and Non- Cash Collateral Received or Pledged	
Derivatives assets	\$ 705	\$ (74)	\$ 631	\$ (179)	\$ (264)	\$ 188
Derivatives liabilities	\$ 460	\$ (74)	\$ 386	\$ (179)	\$ (9)	\$ 198

(1) The balances as of December 31, 2023 and March 31, 2024 were related to derivatives allowed to be net settled in accordance with our master netting agreements.

Note 4. Variable Interest Entities (VIE)

Consolidated VIEs

We consolidate VIEs in which we hold a variable interest and are the primary beneficiary. The results of operations and financial position of these VIEs are included in our consolidated financial statements.

For certain consolidated VIEs, their assets are not available to us, and their creditors do not have recourse to us. As of December 31, 2023 and March 31, 2024, assets that can only be used to settle obligations of these VIEs were \$4.9 billion and \$4.1 billion, respectively, and the liabilities for which creditors only have recourse to the VIEs were \$2.5 billion and \$2.2 billion, respectively. We may continue to fund ongoing operations of certain VIEs that are included within Other Bets.

Total noncontrolling interests (NCI) in our consolidated subsidiaries were \$3.4 billion and \$3.2 billion as of December 31, 2023 and March 31, 2024, respectively, of which \$1.1 billion and \$1.0 billion is redeemable noncontrolling interest (RNCI) as of December 31, 2023 and March 31, 2024, respectively. NCI and RNCI are included within additional paid-in capital. Net loss attributable to noncontrolling interests was not material for any period presented and is included within the "other" component of OI&E. See Note 6 for further details on OI&E.

Unconsolidated VIEs

We have investments in VIEs in which we are not the primary beneficiary. These VIEs include private companies that are primarily early stage companies and certain renewable energy entities in which activities involve power generation using renewable sources.

We have determined that the governance structures of these entities do not allow us to direct the activities that would significantly affect their economic performance. Therefore, we are not the primary beneficiary, and the results of operations and financial position of these VIEs are not included in our consolidated financial statements. We account for these investments primarily as non-marketable equity securities or equity method investments.

The maximum exposure of these unconsolidated VIEs is generally based on the current carrying value of the investments and any future funding commitments. The maximum exposure and carrying value of these unconsolidated VIEs were \$5.7 billion and \$4.0 billion, respectively, as of December 31, 2023 and \$6.9 billion and \$5.3 billion, respectively, as of March 31, 2024. The difference between the maximum exposure and the carrying value relates primarily to future funding commitments.

Note 5. Debt

Short-Term Debt

We have a debt financing program of up to \$10.0 billion through the issuance of commercial paper. Net proceeds from this program are used for general corporate purposes. We had no commercial paper outstanding as of December 31, 2023 and March 31, 2024.

Our short-term debt balance also includes the current portion of certain long-term debt.

Long-Term Debt

Total outstanding debt is summarized below (in millions, except percentages):

	Maturity	Coupon Rate	Effective Interest Rate	As of December 31, 2023	As of March 31, 2024
Debt					
2016-2020 Notes issuances	2025 - 2060	0.45% - 2.25%	0.57% - 2.33%	\$ 13,000	\$ 12,000
Future finance lease payments, net and other ⁽¹⁾				1,746	1,672
Total debt				14,746	13,672
Unamortized discount and debt issuance costs				(130)	(127)
Less: Current portion of long-term notes ⁽²⁾				(1,000)	0
Less: Current portion of future finance lease payments, net and other current debt ⁽¹⁾⁽²⁾				(363)	(317)
Total long-term debt				\$ 13,253	\$ 13,228

⁽¹⁾ Future finance lease payments are net of imputed interest.

⁽²⁾ Total current portion of long-term debt is included within other accrued expenses and current liabilities. See Note 6 for further details.

The notes in the table above are fixed-rate senior unsecured obligations and rank equally with each other. We may redeem the notes at any time in whole or in part at specified redemption prices. The effective interest rates are based on proceeds received with interest payable semi-annually.

The total estimated fair value of the outstanding notes was approximately \$10.3 billion and \$9.0 billion as of December 31, 2023 and March 31, 2024, respectively. The fair value was determined based on observable market prices of identical instruments in less active markets and is categorized accordingly as Level 2 in the fair value hierarchy.

Credit Facility

As of March 31, 2024, we had \$10.0 billion of revolving credit facilities, of which \$4.0 billion expires in April 2024 and \$6.0 billion expires in April 2028. In April 2024, we entered into a new \$4.0 billion revolving credit facility expiring in April 2025. The interest rates for all credit facilities are determined based on a formula using certain market rates, as well as our progress toward the achievement of certain sustainability goals. No amounts were outstanding under the credit facilities as of December 31, 2023 and March 31, 2024.

Note 6. Supplemental Financial Statement Information

Accounts Receivable

The allowance for credit losses on accounts receivable was \$771 million and \$745 million as of December 31, 2023 and March 31, 2024, respectively.

Property and Equipment, Net

Property and equipment, net, consisted of the following (in millions):

	As of December 31, 2023	As of March 31, 2024
Land and buildings	\$ 74,083	\$ 77,421
Information technology assets	80,594	85,976
Construction in progress	35,229	37,679
Leasehold improvements	11,425	11,576
Furniture and fixtures	472	534
Property and equipment, gross	201,803	213,186
Less: accumulated depreciation	(67,458)	(70,004)
Property and equipment, net	\$ 134,345	\$ 143,182

Accrued Expenses and Other Current Liabilities

Accrued expenses and other current liabilities consisted of the following (in millions):

	As of December 31, 2023	As of March 31, 2024
European Commission fines ⁽¹⁾	\$ 9,525	\$ 9,475
Accrued purchases of property and equipment	4,679	5,666
Accrued customer liabilities	4,140	4,355
Current operating lease liabilities	2,791	2,874
Income taxes payable, net	2,748	4,926
Other accrued expenses and current liabilities	22,285	21,307
Accrued expenses and other current liabilities	<u>\$ 46,168</u>	<u>\$ 48,603</u>

⁽¹⁾ While each European Commission (EC) decision is under appeal, the fines are included in accrued expenses and other current liabilities on our Consolidated Balance Sheets, as we provided bank guarantees (in lieu of a cash payment) for the fines. Amounts include the effects of foreign exchange and interest. See Note 8 for further details.

Accumulated Other Comprehensive Income (Loss)

Components of AOCI, net of income tax, were as follows (in millions):

	Foreign Currency Translation Adjustments	Unrealized Gains (Losses) on Available-for-Sale Investments	Unrealized Gains (Losses) on Cash Flow Hedges	Total
Balance as of December 31, 2022	\$ (4,142)	\$ (3,477)	\$ 16	\$ (7,603)
Other comprehensive income (loss) before reclassifications	596	866	(121)	1,341
Amounts excluded from the assessment of hedge effectiveness recorded in AOCI	0	0	47	47
Amounts reclassified from AOCI	0	292	(77)	215
Other comprehensive income (loss)	<u>596</u>	<u>1,158</u>	<u>(151)</u>	<u>1,603</u>
Balance as of March 31, 2023	<u>\$ (3,546)</u>	<u>\$ (2,319)</u>	<u>\$ (135)</u>	<u>\$ (6,000)</u>

	Foreign Currency Translation Adjustments	Unrealized Gains (Losses) on Available-for-Sale Investments	Unrealized Gains (Losses) on Cash Flow Hedges	Total
Balance as of December 31, 2023	\$ (3,407)	\$ (965)	\$ (30)	\$ (4,402)
Other comprehensive income (loss) before reclassifications	(503)	(360)	128	(735)
Amounts excluded from the assessment of hedge effectiveness recorded in AOCI	0	0	58	58
Amounts reclassified from AOCI	0	311	(71)	240
Other comprehensive income (loss)	<u>(503)</u>	<u>(49)</u>	<u>115</u>	<u>(437)</u>
Balance as of March 31, 2024	<u>\$ (3,910)</u>	<u>\$ (1,014)</u>	<u>\$ 85</u>	<u>\$ (4,839)</u>

The effects on net income of amounts reclassified from AOCI were as follows (in millions):

AOCI Components	Location	Three Months Ended March 31,	
		2023	2024
Unrealized gains (losses) on available-for-sale investments			
	Other income (expense), net	\$ (374)	\$ (399)
	Benefit (provision) for income taxes	82	88
	Net of income tax	(292)	(311)
Unrealized gains (losses) on cash flow hedges			
Foreign exchange contracts	Revenue	88	74
Interest rate contracts	Other income (expense), net	2	1
	Benefit (provision) for income taxes	(13)	(4)
	Net of income tax	77	71
Total amount reclassified, net of income tax		\$ (215)	\$ (240)

Other Income (Expense), Net

Components of OI&E were as follows (in millions):

	Three Months Ended March 31,	
	2023	2024
Interest income	\$ 797	\$ 1,061
Interest expense ⁽¹⁾	(80)	(94)
Foreign currency exchange gain (loss), net	(210)	(238)
Gain (loss) on debt securities, net	(293)	(462)
Gain (loss) on equity securities, net	377	2,243
Performance fees	118	104
Income (loss) and impairment from equity method investments, net	(51)	(26)
Other	132	255
Other income (expense), net	\$ 790	\$ 2,843

⁽¹⁾ Interest expense is net of interest capitalized of \$40 million and \$43 million for the three months ended March 31, 2023 and 2024, respectively.

Note 7. Goodwill

Goodwill

Changes in the carrying amount of goodwill for the three months ended March 31, 2024 were as follows (in millions):

	Google Services	Google Cloud	Other Bets	Total
Balance as of December 31, 2023	\$ 21,118	\$ 7,199	\$ 881	\$ 29,198
Acquisitions	9	0	0	9
Foreign currency translation and other adjustments	(22)	(2)	0	(24)
Balance as of March 31, 2024	\$ 21,105	\$ 7,197	\$ 881	\$ 29,183

Note 8. Commitments and Contingencies

Commitments

We have content licensing agreements with future fixed or minimum guaranteed commitments of \$10.1 billion as of March 31, 2024, of which the majority is paid quarterly through the first quarter of 2030.

Indemnifications

In the normal course of business, including to facilitate transactions in our services and products and corporate activities, we indemnify certain parties, including advertisers, Google Network partners, distribution partners, customers of Google Cloud offerings, lessors, and service providers with respect to certain matters. We have agreed to defend and/or hold certain parties harmless against losses arising from a breach of representations or covenants, or out of intellectual property infringement or other claims made against certain parties. Several of these agreements limit the time within which an indemnification claim can be made and the amount of the claim. In addition, we have entered into indemnification agreements with our officers and directors, and our bylaws contain similar indemnification obligations to our agents.

It is not possible to make a reasonable estimate of the maximum potential amount under these indemnification agreements due to the unique facts and circumstances involved in each particular agreement. Additionally, the payments we have made under such agreements have not had a material adverse effect on our results of operations, cash flows, or financial position. However, to the extent that valid indemnification claims arise in the future, future payments by us could be significant and could have a material adverse effect on our results of operations or cash flows in a particular period.

As of March 31, 2024, we did not have any material indemnification claims that were probable or reasonably possible.

Legal Matters

We record a liability when we believe that it is probable that a loss has been incurred, and the amount can be reasonably estimated. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the reasonably possible loss. We evaluate developments in our legal matters that could affect the amount of liability that has been previously accrued, and the matters and related reasonably possible losses disclosed, and make adjustments as appropriate.

Certain outstanding matters seek speculative, substantial or indeterminate monetary amounts, substantial changes to our business practices and products, or structural remedies. Significant judgment is required to determine both the likelihood of there being a loss and the estimated amount of a loss related to such matters, and we may be unable to estimate the reasonably possible loss or range of losses. The outcomes of outstanding legal matters are inherently unpredictable and subject to significant uncertainties, and could, either individually or in aggregate, have a material adverse effect.

We expense legal fees in the period in which they are incurred.

Antitrust Matters

On November 30, 2010, the EC's Directorate General for Competition opened an investigation into various antitrust-related complaints against us.

- On June 27, 2017, the EC announced its decision that certain actions taken by Google regarding its display and ranking of shopping search results and ads infringed European competition law. The EC decision imposed a €2.4 billion (\$2.7 billion as of June 27, 2017) fine. On September 11, 2017, we appealed the EC decision to the General Court, and on September 27, 2017, we implemented product changes to bring shopping ads into compliance with the EC's decision. We recognized a charge of \$2.7 billion for the fine in the second quarter of 2017. On November 10, 2021, the General Court rejected our appeal, and we subsequently filed an appeal with the European Court of Justice on January 20, 2022.
- On July 18, 2018, the EC announced its decision that certain provisions in Google's Android-related distribution agreements infringed European competition law. The EC decision imposed a €4.3 billion (\$5.1 billion as of June 30, 2018) fine and directed the termination of the conduct at issue. On October 9, 2018, we appealed the EC decision, and on October 29, 2018, we implemented changes to certain of our Android distribution practices. On September 14, 2022, the General Court reduced the fine from €4.3 billion to €4.1 billion. We subsequently filed an appeal with the European Court of Justice. In 2018, we recognized a charge of \$5.1 billion for the fine, which we reduced by \$217 million in 2022.
- On March 20, 2019, the EC announced its decision that certain contractual provisions in agreements that Google had with AdSense for Search partners infringed European competition law. The EC decision imposed a fine of €1.5 billion (\$1.7 billion as of March 20, 2019) and directed actions related to AdSense for Search partners' agreements, which we implemented prior to the decision. On June 4, 2019, we appealed the EC decision. We recognized a charge of \$1.7 billion for the fine in the first quarter of 2019.

In addition, on July 7, 2021, a number of state Attorneys General filed an antitrust complaint in the U.S. District Court for the Northern District of California, alleging that Google's operation of Android and Google Play violated U.S. antitrust laws and state antitrust and consumer protection laws. In September 2023, we reached a settlement in principle with 50 state Attorneys General and three territories. The U.S. District Court subsequently vacated the trial date with the states, and we expect any final approval of the settlement would come in 2024.

In December 2023, a California jury delivered a verdict in a similar lawsuit in *Epic Games v. Google*. The jury found that Google violated antitrust laws related to Google Play's business. Epic did not seek monetary damages. The presiding judge will determine non-monetary remedies in 2024, and the range of potential remedies vary widely. We plan to appeal.

From time to time we are subject to formal and informal inquiries and investigations on various competition matters by regulatory authorities in the U.S., Europe, and other jurisdictions globally. Examples, for which given their nature we cannot estimate a possible loss include:

- In August 2019, we began receiving civil investigative demands from the U.S. Department of Justice (DOJ) requesting information and documents relating to our prior antitrust investigations and certain aspects of our business. The DOJ and a number of state Attorneys General filed a lawsuit in the U.S. District Court for the District of Columbia on October 20, 2020 alleging that Google violated U.S. antitrust laws relating to Search and Search advertising. The trial ended on November 16, 2023, and we expect a decision in 2024. Further, in June 2022, the Australian Competition and Consumer Commission (ACCC) and the United Kingdom's Competition and Markets Authority (CMA) each opened an investigation into Search distribution practices.
- On December 16, 2020, a number of state Attorneys General filed an antitrust complaint in the U.S. District Court for the Eastern District of Texas, alleging that Google violated U.S. antitrust laws as well as state deceptive trade laws relating to its advertising technology, and a trial is scheduled for March 2025. Additionally, on January 24, 2023, the DOJ, along with a number of state Attorneys General, filed an antitrust complaint in the U.S. District Court for the Eastern District of Virginia alleging that Google's digital advertising technology products violate U.S. antitrust laws, and on April 17, 2023, a number of additional state Attorneys General joined the complaint. A trial is scheduled for September 2024. The EC, the CMA, and the ACCC each opened a formal investigation into Google's advertising technology business practices on June 22, 2021, May 25, 2022, and June 29, 2022, respectively. On June 14, 2023, the EC issued a Statement of Objections (SO) informing Google of its preliminary view that Google violated European antitrust laws relating to its advertising technology. We responded to the SO on December 1, 2023.
- In May 2022, the EC and the CMA each opened investigations into Google Play's business practices. Korean regulators are investigating Google Play's billing practices, including a formal review in May 2022 of Google's compliance with the new app store billing regulations.

We believe we have strong arguments against these claims and will defend ourselves vigorously. We continue to cooperate with federal and state regulators in the U.S., the EC, and other regulators around the world.

Privacy Matters

We are subject to a number of privacy-related laws and regulations, and we currently are party to a number of privacy investigations and lawsuits ongoing in multiple jurisdictions. For example, there are ongoing investigations and litigation in the U.S. and the European Union, including those relating to our collection and use of location information and advertising practices, which could result in significant fines, judgments, and product changes.

Patent and Intellectual Property Claims

We have had patent, copyright, trade secret, and trademark infringement lawsuits filed against us claiming that certain of our products, services, and technologies infringe others' intellectual property rights. Adverse results in these lawsuits may include awards of substantial monetary damages, costly royalty or licensing agreements, or orders preventing us from offering certain features, functionalities, products, or services. As a result, we may have to change our business practices and develop non-infringing products or technologies, which could result in a loss of revenues for us and otherwise harm our business. In addition, the U.S. International Trade Commission (ITC) has increasingly become an important forum to litigate intellectual property disputes because an ultimate loss in an ITC action can result in a prohibition on importing infringing products into the U.S. Because the U.S. is an important market, a prohibition on importation could have an adverse effect on us, including preventing us from importing many important products into the U.S. or necessitating workarounds that may limit certain features of our products.

Furthermore, many of our agreements with our customers and partners require us to indemnify them against certain intellectual property infringement claims, which would increase our costs as a result of defending such claims, and may require that we pay significant damages if there were an adverse ruling in any such claims. In addition, our customers and partners may discontinue the use of our products, services, and technologies, as a result of injunctions or otherwise, which could result in loss of revenues and adversely affect our business.

Other

We are subject to claims, lawsuits, regulatory and government investigations, other proceedings, and consent orders involving competition, intellectual property, data security, tax and related compliance, labor and employment, commercial disputes, content generated by our users, goods and services offered by advertisers or publishers using our platforms, personal injury, consumer protection, and other matters. For example, we periodically have data incidents that we report to relevant regulators as required by law. Such claims, consent orders, lawsuits, regulatory and government investigations, and other proceedings could result in substantial fines and penalties, injunctive relief, ongoing monitoring and auditing obligations, changes to our products and services, alterations to our business models and operations, and collateral related civil litigation or other adverse consequences, all of which could harm our business, reputation, financial condition, and operating results.

We have ongoing legal matters relating to Russia. For example, civil judgments that include compounding penalties have been imposed upon us in connection with disputes regarding the termination of accounts, including those of sanctioned parties. We do not believe these ongoing legal matters will have a material adverse effect.

Non-Income Taxes

We are under audit by various domestic and foreign tax authorities with regards to non-income tax matters. The subject matter of non-income tax audits primarily arises from disputes on the tax treatment and tax rate applied to the sale of our products and services in these jurisdictions and the tax treatment of certain employee benefits. We accrue non-income taxes that may result from examinations by, or any negotiated agreements with, these tax authorities when a loss is probable and reasonably estimable. If we determine that a loss is reasonably possible and the loss or range of loss can be estimated, we disclose the reasonably possible loss. Due to the inherent complexity and uncertainty of these matters and judicial process in certain jurisdictions, the final outcome may be materially different from our expectations.

See Note 12 for information regarding income tax contingencies.

Note 9. Stockholders' Equity

Share Repurchases

During the three months ended March 31, 2023 and 2024, we repurchased \$15.1 billion and \$16.1 billion, respectively, of Alphabet's Class A and Class C shares.

In April 2023, the Board of Directors of Alphabet authorized the company to repurchase up to \$70.0 billion of its Class A and Class C shares. As of March 31, 2024, \$20.4 billion remained available for Class A and Class C share repurchases. In April 2024, the Board of Directors of Alphabet authorized the company to repurchase up to an additional \$70.0 billion of its Class A and Class C shares.

The following table presents Class A and Class C shares repurchased and subsequently retired (in millions):

	Three Months Ended March 31, 2024	
	Shares	Amount
Class A share repurchases	23	\$ 3,350
Class C share repurchases	88	12,707
Total share repurchases ⁽¹⁾	111	\$ 16,057

⁽¹⁾ Shares repurchased include unsettled repurchases as of March 31, 2024.

Class A and Class C shares are repurchased in a manner deemed in the best interest of the company and its stockholders, taking into account the economic cost and prevailing market conditions, including the relative trading prices and volumes of the Class A and Class C shares. Repurchases are executed from time to time, subject to general business and market conditions and other investment opportunities, through open market purchases or privately negotiated transactions, including through Rule 10b5-1 plans. The repurchase program does not have an expiration date.

Dividends

On April 25, 2024, the Board of Directors of Alphabet declared a cash dividend of \$0.20 per share to be paid on June 17, 2024, to stockholders of record as of June 10, 2024, on each of the company's Class A, Class B, and Class C shares.

The company intends to pay quarterly cash dividends in the future, subject to review and approval by the company's Board of Directors in its sole discretion. In connection with the cash dividend (and any future dividend the company's Board of Directors may declare from time to time), the company will also award dividend equivalent units to holders of all unvested stock units in accordance with the Alphabet Inc. Amended and Restated 2021 Stock Plan and pursuant to each holder's outstanding stock unit grant agreements, as amended.

Note 10. Net Income Per Share

The following table sets forth the computation of basic and diluted net income per share of Class A, Class B, and Class C stock (in millions, except per share amounts):

	Three Months Ended March 31,					
	2023			2024		
	Class A	Class B	Class C	Class A	Class B	Class C
Basic net income per share:						
Numerator						
Allocation of undistributed earnings	\$ 7,006	\$ 1,040	\$ 7,005	\$ 11,213	\$ 1,656	\$ 10,793
Denominator						
Number of shares used in per share computation	5,949	883	5,949	5,883	869	5,663
Basic net income per share	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.91	\$ 1.91	\$ 1.91
Diluted net income per share:						
Numerator						
Allocation of undistributed earnings for basic computation	\$ 7,006	\$ 1,040	\$ 7,005	\$ 11,213	\$ 1,656	\$ 10,793
Reallocation of undistributed earnings as a result of conversion of Class B to Class A shares	1,040	0	0	1,656	0	0
Reallocation of undistributed earnings	(27)	(4)	27	(115)	(15)	115
Allocation of undistributed earnings	\$ 8,019	\$ 1,036	\$ 7,032	\$ 12,754	\$ 1,641	\$ 10,908
Denominator						
Number of shares used in basic computation	5,949	883	5,949	5,883	869	5,663
Weighted-average effect of dilutive securities						
Add:						
Conversion of Class B to Class A shares outstanding	883	0	0	869	0	0
Restricted stock units and other contingently issuable shares	0	0	42	0	0	112
Number of shares used in per share computation	6,832	883	5,991	6,752	869	5,775
Diluted net income per share	\$ 1.17	\$ 1.17	\$ 1.17	\$ 1.89	\$ 1.89	\$ 1.89

For the periods presented above, the net income per share amounts are the same for Class A, Class B, and Class C stock because the holders of each class are entitled to equal per share dividends or distributions in liquidation in accordance with the Amended and Restated Certificate of Incorporation of Alphabet Inc.

Note 11. Compensation Plans

Stock-Based Compensation

For the three months ended March 31, 2023 and 2024, total stock based compensation (SBC) expense was \$5.3 billion, including amounts associated with awards we expect to settle in Alphabet stock of \$5.1 billion, for both periods.

Stock-Based Award Activities

The following table summarizes the activities for unvested Alphabet restricted stock units (RSUs) for the three months ended March 31, 2024 (in millions, except per share amounts):

	Number of Shares	Weighted- Average Grant-Date Fair Value
Unvested as of December 31, 2023	338	\$ 104.93
Granted	159	\$ 133.43
Vested	(49)	\$ 107.61
Forfeited/canceled	(8)	\$ 106.64
Unvested as of March 31, 2024	440	\$ 114.91

As of March 31, 2024, there was \$48.7 billion of unrecognized compensation cost related to unvested RSUs. This amount is expected to be recognized over a weighted-average period of 2.9 years.

Note 12. Income Taxes

The following table presents provision for income taxes (in millions, except for effective tax rate):

	Three Months Ended March 31,	
	2023	2024
Income before provision for income taxes	\$ 18,205	\$ 28,315
Provision for income taxes	\$ 3,154	\$ 4,653
Effective tax rate	17.3 %	16.4 %

We are subject to income taxes in the U.S. and foreign jurisdictions. Significant judgment is required in evaluating our uncertain tax positions and determining our provision for income taxes. The total amount of gross unrecognized tax benefits was \$9.4 billion and \$10.2 billion, of which \$7.4 billion and \$8.1 billion, if recognized, would affect our effective tax rate, as of December 31, 2023 and March 31, 2024, respectively.

Note 13. Information about Segments and Geographic Areas

We report our segment results as Google Services, Google Cloud, and Other Bets:

- Google Services includes products and services such as ads, Android, Chrome, devices, Google Maps, Google Play, Search, and YouTube. Google Services generates revenues primarily from advertising; fees received for consumer subscription-based products such as YouTube TV, YouTube Music and Premium, and NFL Sunday Ticket, as well as Google One; the sale of apps and in-app purchases and devices.
- Google Cloud includes infrastructure and platform services, collaboration tools, and other services for enterprise customers. Google Cloud generates revenues primarily from consumption-based fees and subscriptions received for Google Cloud Platform services, Google Workspace communication and collaboration tools, and other enterprise services.
- Other Bets is a combination of multiple operating segments that are not individually material. Revenues from Other Bets are generated primarily from the sale of healthcare-related services and internet services.

Revenues, certain costs, such as costs associated with content and traffic acquisition, certain engineering activities, and devices, as well as certain operating expenses are directly attributable to our segments. Due to the integrated nature of Alphabet, other costs and expenses, such as technical infrastructure and office facilities, are managed centrally at a consolidated level. These costs, including the associated depreciation and impairment, are allocated to operating segments as a service cost generally based on usage, headcount, or revenue.

Certain costs are not allocated to our segments because they represent Alphabet-level activities. These costs primarily include AI-focused shared R&D activities, including development costs of our general AI models; corporate initiatives such as our philanthropic activities; corporate shared costs such as certain finance, human resource, and legal costs, including certain fines and settlements. Charges associated with employee severance and office space reductions during 2023 and employee severance in the first quarter of 2024, were not allocated to our segments. Additionally, hedging gains (losses) related to revenue are not allocated to our segments.

Our operating segments are not evaluated using asset information.

The following table presents information about our segments (in millions):

	Three Months Ended March 31,	
	2023	2024
Revenues:		
Google Services	\$ 61,961	\$ 70,398
Google Cloud	7,454	9,574
Other Bets	288	495
Hedging gains (losses)	84	72
Total revenues	\$ 69,787	\$ 80,539

	Three Months Ended March 31,	
	2023	2024
Operating income (loss):		
Google Services	\$ 21,737	\$ 27,897
Google Cloud	191	900
Other Bets	(1,225)	(1,020)
Alphabet-level activities	(3,288)	(2,305)
Total income from operations	\$ 17,415	\$ 25,472

See Note 2 for information relating to revenues by geography.

The following table presents long-lived assets by geographic area, which includes property and equipment, net and operating lease assets (in millions):

	As of December 31, 2023	As of March 31, 2024
Long-lived assets:		
United States	\$ 110,053	\$ 117,085
International	38,383	39,865
Total long-lived assets	\$ 148,436	\$ 156,950

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Please read the following discussion and analysis of our financial condition and results of operations together with "Note About Forward-Looking Statements" and our consolidated financial statements and related notes included under Item 1 of this Quarterly Report on Form 10-Q as well as our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, including Part I, Item 1A "Risk Factors," as updated in this Quarterly Report on Form 10-Q.

Understanding Alphabet's Financial Results

Alphabet is a collection of businesses — the largest of which is Google. We report Google in two segments, Google Services and Google Cloud; we also report all non-Google businesses collectively as Other Bets. For further details on our segments, see Note 13 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Revenues and Monetization Metrics

We generate revenues by delivering relevant, cost-effective online advertising; cloud-based solutions that provide enterprise customers of all sizes with infrastructure and platform services as well as communication and collaboration tools; sales of other products and services, such as fees received for subscription-based products, apps and in-app purchases, and devices. For additional information on how we recognize revenue, see Note 1 of the Notes to Consolidated Financial Statements included in Part II, Item 8 in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

In addition to the long-term trends and their financial effect on our business discussed in "Trends in Our Business and Financial Effect" in Part II, Item 7 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2023, fluctuations in our revenues have been and may continue to be affected by a combination of factors, including:

- changes in foreign currency exchange rates;
- changes in pricing, such as those resulting from changes in fee structures, discounts, and customer incentives;
- general economic conditions and various external dynamics, including geopolitical events, regulations, and other measures and their effect on advertiser, consumer, and enterprise spending;
- new product and service launches; and
- seasonality.

Additionally, fluctuations in our revenues generated from advertising ("Google advertising"), revenues from other sources ("Google subscriptions, platforms, and devices revenues"), Google Cloud, and Other Bets revenues have been, and may continue to be, affected by other factors unique to each set of revenues, as described below.

Google Services

Google Services revenues consist of Google advertising as well as Google subscriptions, platforms, and devices revenues.

Google Advertising

Google advertising revenues are comprised of the following:

- Google Search & other, which includes revenues generated on Google search properties (including revenues from traffic generated by search distribution partners who use Google.com as their default search in browsers, toolbars, etc.), and other Google owned and operated properties like Gmail, Google Maps, and Google Play;
- YouTube ads, which includes revenues generated on YouTube properties; and
- Google Network, which includes revenues generated on Google Network properties participating in AdMob, AdSense, and Google Ad Manager.

We use certain metrics to track how well traffic across various properties is monetized as it relates to our advertising revenues: paid clicks and cost-per-click pertain to traffic on Google Search & other properties, while impressions and cost-per-impression pertain to traffic on our Google Network properties.

Paid clicks represent engagement by users and include clicks on advertisements by end-users on Google search properties and other Google owned and operated properties including Gmail, Google Maps, and Google Play. Cost-per-click is defined as click-driven revenues divided by our total number of paid clicks and represents the average amount we charge advertisers for each engagement by users.

Impressions include impressions displayed to users on Google Network properties participating primarily in AdMob, AdSense, and Google Ad Manager. Cost-per-impression is defined as impression-based and click-based revenues divided by our total number of impressions, and represents the average amount we charge advertisers for each impression displayed to users.

As our business evolves, we periodically review, refine, and update our methodologies for monitoring, gathering, and counting the number of paid clicks and the number of impressions, and for identifying the revenues generated by the corresponding click and impression activity.

Fluctuations in our advertising revenues, as well as the change in paid clicks and cost-per-click on Google Search & other properties and the change in impressions and cost-per-impression on Google Network properties and the correlation between these items have been, and may continue to be, affected by factors in addition to the general factors described above, such as:

- advertiser competition for keywords;
- changes in advertising quality, formats, delivery or policy;
- changes in device mix;
- seasonal fluctuations in internet usage, advertising expenditures, and underlying business trends, such as traditional retail seasonality; and
- traffic growth in emerging markets compared to more mature markets and across various verticals and channels.

Google subscriptions, platforms, and devices

Google subscriptions, platforms, and devices revenues are comprised of the following:

- consumer subscriptions, which primarily include revenues from YouTube services, such as YouTube TV, YouTube Music and Premium, and NFL Sunday Ticket, as well as Google One;
- platforms, which primarily include revenues from Google Play from the sales of apps and in-app purchases;
- devices, which primarily include sales of the Pixel family of devices; and
- other products and services.

Fluctuations in our Google subscriptions, platforms, and devices revenues have been, and may continue to be, affected by factors in addition to the general factors described above, such as changes in customer usage and demand, number of subscribers, and fluctuations in the timing of product launches.

Google Cloud

Google Cloud revenues are comprised of the following:

- Google Cloud Platform, which generates consumption-based fees and subscriptions for infrastructure, platform, and other services. These services provide access to solutions such as cybersecurity, databases, analytics, and AI offerings including our AI infrastructure, Vertex AI platform, and Gemini for Google Cloud;
- Google Workspace, which includes subscriptions for cloud-based communication and collaboration tools for enterprises, such as Calendar, Gmail, Docs, Drive, and Meet, with integrated features like Gemini for Google Workspace; and
- other enterprise services.

Fluctuations in our Google Cloud revenues have been, and may continue to be, affected by factors in addition to the general factors described above, such as customer usage.

Other Bets

Revenues from Other Bets are generated primarily from the sale of healthcare-related services and internet services.

Costs and Expenses

Our cost structure has two components: cost of revenues and operating expenses. Our operating expenses include costs related to R&D, sales and marketing, and general and administrative functions. Certain of our costs and expenses, including those associated with the operation of our technical infrastructure as well as components of our operating expenses, are generally less variable in nature and may not correlate to changes in revenue. Additionally, fluctuations in compensation expenses may not directly correlate with changes in headcount, in particular due to annual SBC awards that generally vest over four years.

Cost of Revenues

Cost of revenues is comprised of TAC and other costs of revenues.

- TAC includes:
 - amounts paid to our distribution partners who make available our search access points and services. Our distribution partners include browser providers, mobile carriers, original equipment manufacturers, and software developers; and
 - amounts paid to Google Network partners primarily for ads displayed on their properties.
- Other cost of revenues primarily includes:
 - compensation expense related to our data centers and other operations such as content review and customer and product support;
 - content acquisition costs, which are payments to content providers from whom we license video and other content for distribution on YouTube and Google Play (we pay fees to these content providers based on revenues generated or a flat fee);
 - depreciation expense related to our technical infrastructure; and
 - inventory and other costs related to the devices we sell.

TAC as a percentage of revenues generated from ads placed on Google Network properties are significantly higher than TAC as a percentage of revenues generated from ads placed on Google Search & other properties, because most of the advertiser revenues from ads served on Google Network properties are paid as TAC to our Google Network partners.

Operating Expenses

Operating expenses are generally incurred during our normal course of business, which we categorize as either R&D, sales and marketing, or general and administrative.

The main components of our R&D expenses are:

- compensation expenses for engineering and technical employees responsible for R&D related to our existing and new products and services;
- depreciation; and
- third-party services fees primarily relating to consulting and outsourced services in support of our engineering and product development efforts.

The main components of our sales and marketing expenses are:

- compensation expenses for employees engaged in sales and marketing, sales support, and certain customer service functions; and
- spending relating to our advertising and promotional activities in support of our products and services.

The main components of our general and administrative expenses are:

- compensation expenses for employees in finance, human resources, information technology, legal, and other administrative support functions;
- expenses relating to legal matters, including certain fines and settlements; and
- third-party services fees, including audit, consulting, outside legal, and other outsourced administrative services.

Other Income (Expense), Net

OI&E, net primarily consists of interest income (expense), the effect of foreign currency exchange gains (losses), net gains (losses) and impairment on our marketable and non-marketable securities, performance fees, and income (loss) and impairment from our equity method investments.

For additional information, including how we account for our investments and factors that can drive fluctuations in the value of our investments, see Note 1 of the Notes to Consolidated Financial Statements included in Part II, Item 8 and Item 7A, "Quantitative and Qualitative Disclosures About Market Risk" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 as well as Note 3 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Provision for Income Taxes

Provision for income taxes represents the estimated amount of federal, state, and foreign income taxes incurred in the U.S. and the many jurisdictions in which we operate. The provision includes the effect of reserve provisions and changes to reserves that are considered appropriate as well as the related net interest and penalties.

For additional information, see Note 1 of the Notes to Consolidated Financial Statements included in Part II, Item 8 in our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 as well as Note 12 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Executive Overview

The following table summarizes our consolidated financial results (in millions, except per share information and percentages):

	Three Months Ended March 31,		\$ Change	% Change
	2023	2024		
Consolidated revenues	\$ 69,787	\$ 80,539	\$ 10,752	15 %
Change in consolidated constant currency revenues ⁽¹⁾				16 %
Cost of revenues	\$ 30,612	\$ 33,712	\$ 3,100	10 %
Operating expenses	\$ 21,760	\$ 21,355	\$ (405)	(2)%
Operating income	\$ 17,415	\$ 25,472	\$ 8,057	46 %
Operating margin	25 %	32 %		7 %
Other income (expense), net	\$ 790	\$ 2,843	\$ 2,053	260 %
Net Income	\$ 15,051	\$ 23,662	\$ 8,611	57 %
Diluted EPS	\$ 1.17	\$ 1.89	\$ 0.72	62 %

⁽¹⁾ See "Use of Non-GAAP Constant Currency Measures" below for details relating to our use of constant currency information.

- Revenues were \$80.5 billion, an increase of 15% year over year, primarily driven by an increase in Google Services revenues of \$8.4 billion, or 14%, and an increase in Google Cloud revenues of \$2.1 billion, or 28%.
- Total constant currency revenues, which exclude the effect of hedging, increased 16% year over year.
- Cost of revenues was \$33.7 billion, an increase of 10% year over year, primarily driven by increases in TAC, content acquisition costs, and depreciation expense. These increases were partially offset by decreases in compensation expenses, largely the result of a reduction in employee severance and related charges, and charges related to our office space optimization efforts.
- Operating expenses were \$21.4 billion, a decrease of 2% year over year, primarily driven by decreases in charges related to our office space optimization efforts, compensation expenses, largely the result of a reduction in employee severance and related charges, and charges related to legal matters. These decreases were partially offset by an increase in depreciation expense.

Other Information

- On April 25, 2024, the Board of Directors of Alphabet approved the initiation of a cash dividend program, and declared a cash dividend of \$0.20 per share that will be paid on June 17, 2024, to stockholders of record as of June 10, 2024, on each of the company's Class A, Class B, and Class C shares. See Note 9 of the Notes to Consolidated Financial Statements included in Item 8 of this Annual Report on Form 10-Q for additional information.
- Repurchases of Class A and Class C shares were \$3.4 billion and \$12.7 billion, respectively, totaling \$16.1 billion for the three months ended March 31, 2024. In April 2024, the Board of Directors of Alphabet authorized the company to repurchase up to an additional \$70.0 billion of its Class A and Class C shares. For additional information, see Note 9 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q for additional information.
- Compensation expenses included employee severance and related charges for the three months ended March 31, 2024 of \$716 million, a \$1.3 billion decrease in severance and related charges as compared to the three months ended March 31, 2023. For the first quarter of 2024, these charges are included within cost of revenues, research and development, sales and marketing, and general and administrative expenses in the amounts of \$153 million, \$247 million, \$217 million, and \$99 million, respectively.
- Operating cash flow was \$28.8 billion for the three months ended March 31, 2024.
- Capital expenditures, which primarily reflected investments in technical infrastructure, were \$12.0 billion for the three months ended March 31, 2024.
- As of March 31, 2024, we had 180,895 employees.

Financial Results

Revenues

The following table presents revenues by type (in millions):

	Three Months Ended March 31,	
	2023	2024
Google Search & other	\$ 40,359	\$ 46,156
YouTube ads	6,693	8,090
Google Network	7,496	7,413
Google advertising	54,548	61,659
Google subscriptions, platforms, and devices	7,413	8,739
Google Services total	61,961	70,398
Google Cloud	7,454	9,574
Other Bets	288	495
Hedging gains (losses)	84	72
Total revenues	\$ 69,787	\$ 80,539

Google Services

Google advertising revenues

Google Search & other

Google Search & other revenues increased \$5.8 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024. The overall growth was driven by interrelated factors including increases in search queries resulting from growth in user adoption and usage on mobile devices; growth in advertiser spending; and improvements we have made in ad formats and delivery.

YouTube ads

YouTube ads revenues increased \$1.4 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024. The growth was driven by our direct response and brand advertising products, both of which benefited from increased spending by our advertisers.

Google Network

Google Network revenues decreased \$83 million from the three months ended March 31, 2023 to the three months ended March 31, 2024 primarily driven by a decrease in AdSense revenues.

Monetization Metrics

The following table presents changes in monetization metrics for Google Search & other revenues (paid clicks and cost-per-click) and Google Network revenues (impressions and cost-per-impression), expressed as a percentage, from three months ended March 31, 2023 to three months ended March 31, 2024:

Google Search & other	
Paid clicks change	5 %
Cost-per-click change	8 %
Google Network	
Impressions change	(13)%
Cost-per-impression change	14 %

Changes in paid clicks and impressions are driven by a number of interrelated factors, including changes in advertiser spending; ongoing product and policy changes; and, as it relates to paid clicks, fluctuations in search queries resulting from changes in user adoption and usage, primarily on mobile devices.

Changes in cost-per-click and cost-per-impression are driven by a number of interrelated factors including changes in device mix, geographic mix, advertiser spending, ongoing product and policy changes, product mix, property mix, and changes in foreign currency exchange rates.

Google subscriptions, platforms, and devices

Google subscriptions, platforms, and devices revenues increased \$1.3 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024, primarily driven by an increase in subscription revenues, largely from growth in the number of paid subscribers for YouTube services.

Google Cloud

Google Cloud revenues increased \$2.1 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024. Growth was primarily driven by Google Cloud Platform followed by Google Workspace offerings. Google Cloud's infrastructure and platform services were the largest drivers of growth in Google Cloud Platform.

Revenues by Geography

The following table presents revenues by geography as a percentage of revenues, determined based on the addresses of our customers:

	Three Months Ended			
	March 31,			
	2023		2024	
United States	47	%	48	%
EMEA	30	%	30	%
APAC	17	%	16	%
Other Americas	6	%	6	%
Hedging gains (losses)	0	%	0	%

For additional information, see Note 2 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Use of Non-GAAP Constant Currency Information

International revenues, which represent a significant portion of our revenues, are generally transacted in multiple currencies and therefore are affected by fluctuations in foreign currency exchange rates.

The effect of currency exchange rates on our business is an important factor in understanding period-to-period comparisons. We use non-GAAP constant currency revenues ("constant currency revenues") and non-GAAP percentage change in constant currency revenues ("percentage change in constant currency revenues") for

financial and operational decision-making and as a means to evaluate period-to-period comparisons. We believe the presentation of results on a constant currency basis in addition to GAAP results helps improve the ability to understand our performance, because it excludes the effects of foreign currency volatility that are not indicative of our core operating results.

Constant currency information compares results between periods as if exchange rates had remained constant period over period. We define constant currency revenues as revenues excluding the effect of foreign currency exchange rate movements ("FX Effect") as well as hedging activities, which are recognized at the consolidated level. We use constant currency revenues to determine the constant currency revenue percentage change on a year-on-year basis. Constant currency revenues are calculated by translating current period revenues using prior year comparable period exchange rates, as well as excluding any hedging effects realized in the current period.

Constant currency revenue percentage change is calculated by determining the change in current period revenues over prior year comparable period revenues where current period foreign currency revenues are translated using prior year comparable period exchange rates and hedging effects are excluded from revenues of both periods.

These results should be considered in addition to, not as a substitute for, results reported in accordance with GAAP. Results on a constant currency basis, as we present them, may not be comparable to similarly titled measures used by other companies and are not a measure of performance presented in accordance with GAAP.

The following table presents the foreign currency exchange effect on international revenues and total revenues (in millions, except percentages):

		Three Months Ended March 31, 2024							
		Three Months Ended March 31,		Less FX Effect	Constant Currency Revenues	% Change from Prior Period			
		2023	2024			As Reported	Less Hedging Effect	Less FX Effect	Constant Currency Revenues
United States	\$	32,864	\$ 38,737	\$ 0	\$ 38,737	18 %		0 %	18 %
EMEA		21,078	23,788	204	23,584	13 %		1 %	12 %
APAC		11,681	13,289	(439)	13,728	14 %		(4)%	18 %
Other Americas		4,080	4,653	(152)	4,805	14 %		(4)%	18 %
Revenues, excluding hedging effect		69,703	80,467	(387)	80,854	15 %		(1)%	16 %
Hedging gains (losses)		84	72						
Total revenues ⁽¹⁾	\$	69,787	\$ 80,539		\$ 80,854	15 %	0 %	(1)%	16 %

⁽¹⁾ Total constant currency revenues of \$80.9 billion for the three months ended March 31, 2024 increased \$11.2 billion compared to \$69.7 billion in revenues, excluding hedging effect, for the three months ended March 31, 2023.

EMEA revenue growth was favorably affected by changes in foreign currency exchange rates, primarily due to the U.S. dollar weakening relative to the Euro, partially offset by the U.S. dollar strengthening relative to the Turkish lira.

APAC revenue growth was unfavorably affected by changes in foreign currency exchange rates, primarily due to the U.S. dollar strengthening relative to the Japanese yen.

Other Americas revenue growth was unfavorably affected by changes in foreign currency exchange rates, primarily due to the U.S. dollar strengthening relative to the Argentine peso.

Costs and Expenses

Cost of Revenues

The following table presents cost of revenues, including TAC (in millions, except percentages):

	Three Months Ended March 31,			
	2023		2024	
TAC	\$	11,721	\$	12,946
Other cost of revenues		18,891		20,766
Total cost of revenues	\$	30,612	\$	33,712
Total cost of revenues as a percentage of revenues		44 %		42 %

Cost of revenues increased \$3.1 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024 due to an increase in other cost of revenues and TAC of \$1.9 billion and \$1.2 billion, respectively.

The increase in TAC from the three months ended March 31, 2023 to the three months ended March 31, 2024 was largely due to an increase in TAC paid to distribution partners, primarily driven by growth in revenues subject to TAC. The TAC rate decreased from 21.5% to 21.0% from the three months ended March 31, 2023 to the three months ended March 31, 2024 primarily due to a revenue mix shift from Google Network properties to Google Search & other properties. The TAC rate on Google Search & other revenues was substantially consistent from the three months ended March 31, 2023 to the three months ended March 31, 2024. The TAC rate on Google Network revenues reflected a slight increase from the three months ended March 31, 2023 to the three months ended March 31, 2024 due to a combination of factors, none of which were individually significant.

The increase in other cost of revenues from the three months ended March 31, 2023 to the three months ended March 31, 2024 was primarily due to increases in content acquisition costs, largely for YouTube, and depreciation expense. These increases were partially offset by decreases in compensation expenses, largely the result of a reduction in employee severance and related charges of \$308 million, and charges related to our office space optimization efforts of \$220 million.

Research and Development

The following table presents R&D expenses (in millions, except percentages):

	Three Months Ended March 31,			
	2023		2024	
Research and development expenses	\$	11,468	\$	11,903
Research and development expenses as a percentage of revenues		16 %		15 %

R&D expenses increased \$435 million from the three months ended March 31, 2023 to the three months ended March 31, 2024, primarily driven by increases in depreciation expense of \$308 million and third-party services fees of \$253 million, partially offset by a decrease in charges associated with our office space optimization efforts of \$247 million. Additionally, a decrease in compensation expenses of \$64 million was primarily the result of a reduction in employee severance and related charges of \$588 million. This decrease was partially offset by an increase in SBC expense of \$320 million, excluding employee severance and related charges.

Sales and Marketing

The following table presents sales and marketing expenses (in millions, except percentages):

	Three Months Ended March 31,			
	2023		2024	
Sales and marketing expenses	\$	6,533	\$	6,426
Sales and marketing expenses as a percentage of revenues		9 %		8 %

Sales and marketing expenses decreased \$107 million from the three months ended March 31, 2023 to the three months ended March 31, 2024, primarily driven by a decrease in compensation expenses of \$85 million,

largely the result of a reduction in employee severance and related charges of \$228 million, partially offset by a combination of factors, none of which were individually significant.

General and Administrative

The following table presents general and administrative expenses (in millions, except percentages):

	Three Months Ended March 31,			
	2023		2024	
General and administrative expenses	\$	3,759	\$	3,026
General and administrative expenses as a percentage of revenues		5 %		4 %

General and administrative expenses decreased \$733 million from the three months ended March 31, 2023 to the three months ended March 31, 2024, primarily driven by a reduction in charges related to legal matters of \$248 million and a combination of factors, none of which were individually significant.

Segment Profitability

The following table presents segment operating income (loss) (in millions):

	Three Months Ended March 31,			
	2023		2024	
Operating income (loss):				
Google Services	\$	21,737	\$	27,897
Google Cloud		191		900
Other Bets		(1,225)		(1,020)
Alphabet-level activities ⁽¹⁾		(3,288)		(2,305)
Total income from operations	\$	17,415	\$	25,472

⁽¹⁾ In addition to the costs included in Alphabet-level activities, hedging gains (losses) related to revenue were \$84 million and \$72 million for the three months ended March 31, 2023 and 2024, respectively. For the three months ended March 31, 2023 and 2024, Alphabet-level activities included substantially all of the charges related to employee severance and our office space optimization efforts. For additional information relating to our segments, see Note 13 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Google Services

Google Services operating income increased \$6.2 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024. The increase in operating income was primarily driven by an increase in revenues, partially offset by increases in TAC and content acquisition costs. Additionally, a reduction in compensation expenses contributed to the increase in operating income.

Google Cloud

Google Cloud operating income increased \$709 million from the three months ended March 31, 2023 to the three months ended March 31, 2024. The increase in operating income was primarily driven by an increase in revenues, partially offset by increases in compensation expenses, largely driven by headcount growth, and usage costs for technical infrastructure assets.

Other Bets

Other Bets operating loss decreased \$205 million from the three months ended March 31, 2023 to the three months ended March 31, 2024 primarily due to growth in revenues.

Other Income (Expense), Net

The following table presents OI&E (in millions):

	Three Months Ended March 31,	
	2023	2024
Interest income	\$ 797	\$ 1,061
Interest expense	(80)	(94)
Foreign currency exchange gain (loss), net	(210)	(238)
Gain (loss) on debt securities, net	(293)	(462)
Gain (loss) on equity securities, net	377	2,243
Performance fees	118	104
Income (loss) and impairment from equity method investments, net	(51)	(26)
Other	132	255
Other income (expense), net	\$ 790	\$ 2,843

OI&E increased \$2.1 billion from the three months ended March 31, 2023 to the three months ended March 31, 2024. The increase was primarily due to net unrealized gains in non-marketable equity securities due to fair value adjustments related to observable transactions and increased interest income due to interest rates.

For additional information, see Note 6 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q for further information.

Provision for Income Taxes

The following table presents provision for income taxes (in millions, except effective tax rate):

	Three Months Ended March 31,	
	2023	2024
Income before provision for income taxes	\$ 18,205	\$ 28,315
Provision for income taxes	\$ 3,154	\$ 4,653
Effective tax rate	17.3 %	16.4 %

The effective tax rate decreased from the three months ended March 31, 2023 to the three months ended March 31, 2024, primarily due to the tax rule change related to U.S. federal foreign tax credits issued by the IRS in July 2023 and an increase in stock-based compensation-related tax benefits, partially offset by a decrease in the U.S. federal Foreign Derived Intangible Income tax deduction and an increase in taxes for certain U.S. jurisdictions.

The OECD is coordinating negotiations among more than 140 countries with the goal of achieving consensus around substantial changes to international tax policies, including the implementation of a minimum global effective tax rate of 15%. Some countries have already implemented the legislation effective January 1, 2024, and we expect others to follow, however we do not expect a material change to our income tax provision for the 2024 fiscal year. As additional jurisdictions enact such legislation, transitional rules lapse, and other provisions of the minimum tax legislation become effective, we expect our effective tax rate and cash tax payments could increase in future years.

Financial Condition**Cash, Cash Equivalents, and Marketable Securities**

As of March 31, 2024, we had \$108.1 billion in cash, cash equivalents, and short-term marketable securities. Cash equivalents and marketable securities are comprised of time deposits, money market funds, highly liquid government bonds, corporate debt securities, mortgage-backed and asset-backed securities, and marketable equity securities.

Sources, Uses of Cash and Related Trends

Our principal sources of liquidity are cash, cash equivalents, and marketable securities, as well as the cash flow that we generate from operations. The primary use of capital continues to be to invest for the long-term growth of the business. We regularly evaluate our cash and capital structure, including the size, pace, and form of capital return to stockholders.

The following table presents our cash flows (in millions):

	Three Months Ended March 31,			
	2023		2024	
Net cash provided by operating activities	\$	23,509	\$	28,848
Net cash used in investing activities	\$	(2,946)	\$	(8,564)
Net cash used in financing activities	\$	(16,568)	\$	(19,714)

Cash Provided by Operating Activities

Our largest source of cash provided by operations are advertising revenues generated by Google Search & other properties, Google Network properties, and YouTube properties. In Google Services, we also generate cash through consumer subscriptions and the sale of apps and in-app purchases and devices. In Google Cloud, we generate cash through consumption-based fees and subscriptions for infrastructure, platform, collaboration tools, and other cloud services.

Our primary uses of cash from operating activities include payments to distribution and Google Network partners, to employees for compensation, and to content providers. Other uses of cash from operating activities include payments to suppliers for devices, to tax authorities for income taxes, and other general corporate expenditures.

Net cash provided by operating activities increased from the three months ended March 31, 2023 to the three months ended March 31, 2024 due to the increase in cash received from customers, partially offset by an increase in cash payments for cost of revenues and operating expenses.

Cash Used in Investing Activities

Cash provided by investing activities consists primarily of maturities and sales of investments in marketable and non-marketable securities. Cash used in investing activities consists primarily of purchases of marketable and non-marketable securities, purchases of property and equipment, and payments for acquisitions.

Net cash used in investing activities increased from the three months ended March 31, 2023 to the three months ended March 31, 2024 primarily due to an increase in purchases of property and equipment.

Cash Used in Financing Activities

Cash provided by financing activities consists primarily of proceeds from issuance of debt and proceeds from the sale of interests in consolidated entities. Cash used in financing activities consists primarily of repurchases of stock, net payments related to stock-based award activities, and repayments of debt.

Net cash used in financing activities increased from the three months ended March 31, 2023 to the three months ended March 31, 2024 due to increases in net repayments related to debt, net payments related to stock-based award activities, and repurchases of stock.

Liquidity and Material Cash Requirements

We expect existing cash, cash equivalents, short-term marketable securities, cash flows from operations and financing activities to continue to be sufficient to fund our operating activities and cash commitments for investing and financing activities for at least the next 12 months and thereafter for the foreseeable future.

Capital Expenditures and Leases

We make investments in land and buildings for data centers and offices and information technology assets through purchases of property and equipment and lease arrangements to provide capacity for the growth of our services and products.

Capital Expenditures

Our capital investments in property and equipment consist primarily of the following major categories:

- technical infrastructure, which consists of our investments in servers and network equipment for computing, storage, and networking requirements for ongoing business activities, including AI, (collectively referred to as our information technology assets) and data center land and building construction; and
- office facilities, ground-up development projects, and building improvements (also referred to as "fit-outs").

Construction in progress consists primarily of technical infrastructure and office facilities which have not yet been placed in service. The time frame from date of purchase to placement in service of these assets may extend from months to years. For example, our data center construction projects are generally multi-year projects with multiple phases, where we acquire land and buildings, construct buildings, and secure and install information technology assets.

During the three months ended March 31, 2023 and 2024, we spent \$6.3 billion and \$12.0 billion on capital expenditures, respectively. We expect to increase, relative to 2023, our investment in our technical infrastructure, including servers, network equipment, and data centers, to support the growth of our business and our long-term initiatives, in particular in support of AI products and services. Depreciation of our property and equipment commences when the deployment of such assets are completed and are ready for our intended use. Land is not depreciated. For the three months ended March 31, 2023 and 2024, our depreciation on property and equipment was \$2.6 billion and \$3.4 billion, respectively.

Leases

For the three months ended March 31, 2023 and 2024, we recognized total operating lease assets of \$1.1 billion and \$0.4 billion, respectively. As of March 31, 2024, the amount of total future lease payments under operating leases, which had a weighted average remaining lease term of 8 years, was \$17.2 billion.

As of March 31, 2024, we have entered into leases that have not yet commenced with future lease payments of \$3.6 billion, that are not yet recorded on our Consolidated Balance Sheets. These leases will commence between 2024 and 2026 with non-cancelable lease terms of one to 25 years.

For the three months ended March 31, 2023 and 2024, our operating lease expenses (including variable lease costs) were \$1.1 billion and \$1.1 billion, respectively. Finance lease costs were not material for the three months ended March 31, 2023 and 2024.

Financing

We have a short-term debt financing program of up to \$10.0 billion through the issuance of commercial paper. Net proceeds from this program are used for general corporate purposes. As of March 31, 2024, we had no commercial paper outstanding.

As of March 31, 2024, we had \$10.0 billion of revolving credit facilities, \$4.0 billion expiring in April 2024 and \$6.0 billion expiring in April 2028. In April 2024, we entered into a new \$4.0 billion revolving credit facility expiring in April 2025. The interest rates for all credit facilities are determined based on a formula using certain market rates, as well as our progress toward the achievement of certain sustainability goals. No amounts have been borrowed under the credit facilities.

As of March 31, 2024, we had senior unsecured notes outstanding with a total carrying value of \$11.9 billion. For additional information, see Note 5 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

We primarily utilize contract manufacturers for the assembly of our servers used in our technical infrastructure and devices we sell. We have agreements where we may purchase components directly from suppliers and then supply these components to contract manufacturers for use in the assembly of the servers and devices. Certain of these arrangements result in a portion of the cash received from and paid to the contract manufacturers to be presented as financing activities in the Consolidated Statements of Cash Flows included in Item 1 of this Quarterly Report on Form 10-Q.

Share Repurchase Program

During the three months ended March 31, 2024, we repurchased and subsequently retired 111 million shares for \$16.1 billion.

In April 2023, the Board of Directors of Alphabet authorized the company to repurchase up to \$70.0 billion of its Class A and Class C shares. As of March 31, 2024, \$20.4 billion remained available for Class A and Class C share repurchases. In April 2024, the Board of Directors of Alphabet authorized the company to repurchase up to an additional \$70.0 billion of its Class A and Class C shares.

The following table presents Class A and Class C shares repurchased and subsequently retired (in millions):

	Three Months Ended March 31, 2024	
	Shares	Amount
Class A share repurchases	23	\$ 3,350
Class C share repurchases	88	12,707
Total share repurchases ⁽¹⁾	111	\$ 16,057

⁽¹⁾ Shares repurchased include unsettled repurchases as of March 31, 2024.

For additional information, see Note 9 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Dividend Program

On April 25, 2024, the Board of Directors of Alphabet declared a cash dividend of \$0.20 per share to be paid on June 17, 2024, to stockholders of record as of June 10, 2024, on each of the company's Class A, Class B, and Class C shares.

The company intends to pay quarterly cash dividends in the future, subject to review and approval by the company's Board of Directors in its sole discretion. In connection with the cash dividend (and any future dividend the company's Board of Directors may declare from time to time), the company will also award dividend equivalent units to holders of all unvested stock units in accordance with the Alphabet Inc. Amended and Restated 2021 Stock Plan and pursuant to each holder's outstanding stock unit grant agreements, as amended.

European Commission Fines

In 2017, 2018 and 2019, the EC announced decisions that certain actions taken by Google infringed European competition law and imposed fines of €2.4 billion (\$2.7 billion as of June 27, 2017), €4.3 billion (\$5.1 billion as of June 30, 2018), and €1.5 billion (\$1.7 billion as of March 20, 2019), respectively. On September 14, 2022, the General Court reduced the 2018 fine from €4.3 billion to €4.1 billion. We subsequently filed an appeal to the European Court of Justice.

While each EC decision is under appeal, we included the fines in accrued expenses and other current liabilities on our Consolidated Balance Sheets as we provided bank guarantees (in lieu of a cash payment) for the fines. For additional information, see Note 8 of the Notes to Consolidated Financial Statements included in Item 1 of this Quarterly Report on Form 10-Q.

Taxes

As of March 31, 2024, we had income taxes payable of \$4.2 billion, of which \$2.1 billion was short-term, related to a one-time transition tax payable incurred as a result of the U.S. Tax Cuts and Jobs Act ("Tax Act"). As permitted by the Tax Act, we will pay the transition tax in annual interest-free installments through 2025. We also have long-term taxes payable of \$7.1 billion primarily related to uncertain tax positions as of March 31, 2024.

Purchase Commitments and Other Contractual Obligations

As of March 31, 2024, we had material purchase commitments and other contractual obligations of \$44.0 billion, of which \$29.4 billion was short-term. These amounts primarily consist of purchase orders for certain technical infrastructure as well as the non-cancelable portion or the minimum cancellation fee in certain agreements related to commitments to purchase licenses, including content licenses, inventory and network capacity. For those agreements with variable terms, we do not estimate the non-cancelable obligation beyond any minimum quantities and/or pricing as of March 31, 2024. In certain instances, the amount of our contractual obligations may change based on the expected timing of order fulfillment from our suppliers. For more information related to our content licenses, see Note 8 of the Notes to Consolidated Financial Statements included in Item I of this Quarterly Report on Form 10-Q.

In addition we regularly enter into multi-year, non-cancellable agreements to purchase renewable energy and energy attributes, such as renewable energy certificates. These agreements do not include a minimum dollar commitment. The amounts to be paid under these agreements are based on the actual volumes to be generated and are not readily determinable.

Critical Accounting Estimates

See Part II, Item 7, "Critical Accounting Estimates" in our Annual Report on Form 10-K for the year ended December 31, 2023.

Available Information

Our website is located at www.abc.xyz, and our investor relations website is located at www.abc.xyz/investor. Access to our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, and our Proxy Statements, and any amendments to these reports, is available on our investor relations website, free of charge, after we file or furnish them with the SEC and they are available on the SEC's website at www.sec.gov.

We webcast via our investor relations website our earnings calls and certain events we participate in or host with members of the investment community. Our investor relations website also provides notifications of news or announcements regarding our financial performance and other items of interest to our investors, including SEC filings, investor events, press and earnings releases, and blogs. We also share Google news and product updates on Google's Keyword blog at <https://www.blog.google/>, which may be of interest or material to our investors. Further, corporate governance information, including our certificate of incorporation, bylaws, governance guidelines, board committee charters, and code of conduct, is also available on our investor relations website under the heading "Governance." The content of our websites is not incorporated by reference into this Quarterly Report on Form 10-Q or in any other report or document we file with the SEC, and any references to our websites are intended to be inactive textual references only.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

For quantitative and qualitative disclosures about market risk, refer to Part II, Item 7A, Quantitative and Qualitative Disclosures About Market Risk, in our Annual Report on Form 10-K for the year ended December 31, 2023.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our chief executive officer and chief financial officer, evaluated the effectiveness of our disclosure controls and procedures pursuant to Rule 13a-15 under the Exchange Act, as of the end of the period covered by this Quarterly Report on Form 10-Q.

Based on this evaluation, our chief executive officer and chief financial officer concluded that, as of March 31, 2024, our disclosure controls and procedures are designed at a reasonable assurance level and are effective to provide reasonable assurance that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to our management, including our chief executive officer and chief financial officer, as appropriate, to allow timely decisions regarding required disclosure.

Changes in Internal Control over Financial Reporting

There have been no changes in our internal control over financial reporting that occurred during the quarter ended March 31, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Limitations on Effectiveness of Controls and Procedures

In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect the fact that there are resource constraints and that management is required to apply its judgment in evaluating the benefits of possible controls and procedures relative to their costs.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

For a description of our material pending legal proceedings, see Note 8 “Commitments and Contingencies - Legal Matters” of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q, which is incorporated herein by reference.

ITEM 1A. RISK FACTORS

Our operations and financial results are subject to various risks and uncertainties, including those described in Part I, Item 1A, “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2023, which could adversely affect our business, financial condition, results of operations, cash flows, and the trading price of our stock. Below are material changes to our risk factors since our Annual Report on Form 10-K for the year ended December 31, 2023.

Risks Specific to our Company

We generate a significant portion of our revenues from advertising. Reduced spending by advertisers, a loss of partners, or new and existing technologies that block ads online and/or affect our ability to customize ads could harm our business.

We generated more than 75% of total revenues from online advertising in 2023. Many of our advertisers, companies that distribute our products and services, digital publishers, and content providers can terminate their contracts with us at any time. These partners may not continue to do business with us if we do not create more value (such as increased numbers of users or customers, new sales leads, increased brand awareness, or more effective monetization) than their available alternatives. Changes to our advertising policies and data privacy practices, such as our initiatives to phase out third-party cookies (which remain subject to review, affecting the timing), as well as changes to other companies’ advertising and/or data privacy practices have in the past, and may in the future, affect the advertising that we are able to provide. In addition, technologies have been developed that make customized ads more difficult, or that block the display of ads altogether, and some providers of online services have integrated these technologies that could potentially impair the availability and functionality of third-party digital advertising. Failing to provide superior value or deliver advertisements effectively and competitively could harm our business, reputation, financial condition, and operating results.

In addition, expenditures by advertisers tend to correlate with overall economic conditions. Adverse macroeconomic conditions have affected, and may in the future affect, the demand for advertising, resulting in fluctuations in the amounts our advertisers spend on advertising, which could harm our financial condition and operating results.

Risks Related to Ownership of our Stock

We cannot guarantee that any share repurchase program or dividend program will be continuously active or fully consummated or will enhance long-term stockholder value, and share repurchases or dividends could increase the volatility of our stock prices and could diminish our cash reserves.

We engage in share repurchases of our Class A and Class C stock from time to time in accordance with authorizations from the Board of Directors of Alphabet. Our repurchase program does not have an expiration date and does not obligate Alphabet to repurchase any specific dollar amount or to acquire any specific number of shares. In April 2024, we announced the approval of a cash dividend to our Class A, Class B and Class C stockholders. Any and all future cash dividends are subject to declaration by the Board of Directors at their sole discretion, and in accordance with the requirements of any applicable laws, rules and regulations, including the Delaware General Corporation Law. Our cash dividend program does not require, and our Board of Directors may not declare, a cash dividend each quarter, and does not obligate our Board of Directors to declare a dividend in any specific dollar amount per share. Further, our share repurchases or dividends could affect our share trading prices, increase their volatility, reduce our cash reserves and may be suspended or terminated at any time, which may result in a decrease in the trading prices of our stock.

The trading price for our Class A stock and non-voting Class C stock may continue to be volatile.

The trading price of our stock has at times experienced significant volatility and may continue to be volatile. In addition to the factors discussed in this report, the trading prices of our Class A stock and Class C stock have fluctuated, and may continue to fluctuate widely, in response to various factors, including, among others, the size or continuity of either our share repurchase or dividend programs, the activities of our peers and changes in broader

economic and political conditions around the world. These broad market and industry factors could harm the market price of our Class A stock and our Class C stock, regardless of our actual operating performance.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

Issuer Purchases of Equity Securities

The following table presents information with respect to Alphabet's repurchases of Class A and Class C stock during the quarter ended March 31, 2024.

Period	Total Number of Class A Shares Purchased (in thousands) ⁽¹⁾	Total Number of Class C Shares Purchased (in thousands) ⁽¹⁾	Average Price Paid per Class A Share	Average Price Paid per Class C Share	Total Number of Shares Purchased as Part of Publicly Announced Programs (in thousands) ⁽¹⁾	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Program (in millions)
January 1 - 31	9,717	29,623	\$ 145.11	\$ 146.28	39,340	\$ 30,648
February 1 - 29	7,568	28,804	\$ 143.82	\$ 144.75	36,372	\$ 25,429
March 1 - 31	5,949	29,230	\$ 143.08	\$ 143.86	35,179	\$ 20,404
Total	23,234	87,657			110,891	

⁽¹⁾ Repurchases are being executed from time to time, subject to general business and market conditions and other investment opportunities, through open market purchases or privately negotiated transactions, including through Rule 10b5-1 plans. The repurchase program does not have an expiration date. For additional information related to share repurchases, see Note 9 of the Notes to Consolidated Financial Statements included in Part I, Item 1 of this Quarterly Report on Form 10-Q.

⁽²⁾ Average price paid per share includes costs associated with the repurchases.

ITEM 5. OTHER INFORMATION

10b5-1 Trading Plans

During the fiscal quarter ended March 31, 2024, no Section 16 director or officer adopted, modified, or terminated a "Rule 10b5-1 trading arrangement" (as defined in Item 408 of Regulation S-K of the Exchange Act).

There were no "non-Rule 10b5-1 trading arrangements" (as defined in Item 408 of Regulation S-K of the Exchange Act) adopted, modified or terminated during the fiscal quarter ended March 31, 2024 by our directors and Section 16 officers.

Compensatory Arrangements of Certain Officers

On April 16, 2024, the Leadership Development, Inclusion and Compensation Committee of the Board of Directors of Alphabet approved the accrual of dividend equivalent units to holders of all unvested stock units, subject to the approval of a dividend declaration by the Board of Directors of the Company (which was approved and announced on April 25, 2024). This approval covers both performance stock unit awards and Google stock unit awards, and applies both to currently outstanding and future equity awards. For the avoidance of doubt, the corresponding amendments to the respective stock unit grant agreements will apply both to currently outstanding grant agreements and all future grant agreements. As stock units are not outstanding shares of stock and thus would not otherwise be entitled to participate in any dividends (including the one referenced above), the crediting of dividend equivalent units is intended to preserve the equity-based incentives intended by the Company when the stock units were granted and to treat the holders of stock units consistently with all stockholders.

ITEM 6. EXHIBITS

Exhibit Number		Description	Incorporated by reference herein	
			Form	Date
10.01	*	◆ Alphabet Inc. Amended and Restated 2021 Stock Plan – Form of Alphabet Restricted Stock Unit Agreement		
10.02	*	◆ Alphabet Inc. Amended and Restated 2021 Stock Plan – Form of Alphabet CEO Performance Stock Unit Agreement		
10.03	*	◆ Alphabet Inc. Amended and Restated 2021 Stock Plan – Form of Alphabet Non-CEO Performance Stock Unit Agreement		
31.01	*	* Certification of Chief Executive Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002		
31.02	*	* Certification of Chief Financial Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002		
32.01	‡	‡ Certifications of Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002		
101.INS	*	Inline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.		
101.SCH	*	Inline XBRL Taxonomy Extension Schema Document		
101.CAL	*	Inline XBRL Taxonomy Extension Calculation Linkbase Document		
101.DEF	*	Inline XBRL Taxonomy Extension Definition Linkbase Document		
101.LAB	*	Inline XBRL Taxonomy Extension Label Linkbase Document		
101.PRE	*	Inline XBRL Taxonomy Extension Presentation Linkbase Document		
104	*	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)		

- ◆ Indicates management compensatory plan, contract, or arrangement.
 * Filed herewith.
 ‡ Furnished herewith.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

April 25, 2024

ALPHABET INC.

By: /s/ RUTH M. PORAT

Ruth M. Porat

President and Chief Investment Officer; Chief Financial Officer

April 25, 2024

ALPHABET INC.

By: /s/ AMIE THUENER O'TOOLE

Amie Thuener O'Toole

Vice President, Corporate Controller and Principal Accounting Officer