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

FORM 10-Q

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

For the quarterly period ended June 30, 2023

or

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

For the transition period from to

COMMISSION FILE NUMBER: 001-33988

Graphic Packaging Holding Company

(Exact name of registrant as specified in its charter)

Delaware	**26-0405422**
(State or other jurisdiction of incorporation or organization)	(I.R.S. employer identification no.)
1500 Riveredge Parkway, Suite 100	
Atlanta, Georgia	**30328**
(Address of principal executive offices)	(Zip Code)

(770) 240-7200
(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
Common Stock, $0.01 par value per share	GPK	New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act:
None

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 and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted 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 and post 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. (Check one):

Large accelerated filer ☑	Accelerated filer ☐	Smaller reporting company ☐
Non-accelerated filer ☐	(Do not check if a smaller reporting company)	Emerging growth company ☐

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

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

As of July 31, 2023, there were 307,211,015 shares of the registrant's Common Stock, par value $0.01 per share, outstanding.

INFORMATION CONCERNING FORWARD-LOOKING STATEMENTS

Certain statements regarding the expectations of Graphic Packaging Holding Company ("GPHC" and, together with its subsidiaries, the "Company"), including, but not limited to, pension plan and post-retirement health care plan contributions, costs for exit activities, the amount of the Company's U.S. federal cash tax liability, the timing of the sale of its operations in Russia, capital investment, and depreciation and amortization in this report constitute "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995. Such statements are based on currently available operating, financial and competitive information and are subject to various risks and uncertainties that could cause actual results to differ materially from the Company's historical experience and its present expectations. These risks and uncertainties include, but are not limited to, inflation of and volatility in raw material and energy costs, changes in consumer buying habits and product preferences, competition with other paperboard manufacturers and converters, product substitution, the Company's ability to implement its business strategies, including strategic acquisitions, the Company's ability to successfully integrate acquisitions, productivity initiatives and cost reduction plans, the Company's debt level, currency movements and other risks of conducting business internationally, and the impact of regulatory and litigation matters, including those that could impact the Company's ability to utilize its U.S. federal income tax attributes to offset taxable income or U.S. federal income taxes and those that impact the Company's ability to protect and use its intellectual property. Undue reliance should not be placed on such forward-looking statements, as such statements speak only as of the date on which they are made and the Company undertakes no obligation to update such statements, except as may be required by law. Additional information regarding these and other risks is contained in Part I, "Item 1A., Risk Factors" of the Company's 2022 Annual Report on Form 10-K, and in other filings with the Securities and Exchange Commission.

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PART I — FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS

GRAPHIC PACKAGING HOLDING COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

	Three Months Ended June 30,		Six Months Ended June 30,	
In millions, except per share amounts	2023	2022	2023	2022
Net Sales	$ 2,392	$ 2,358	$ 4,830	$ 4,603
Cost of Sales	1,886	1,917	3,764	3,775
Selling, General and Administrative	205	185	402	366
Other Expense, Net	15	2	33	—
Business Combinations, Shutdown and Other Special Charges, and Exit Activities, Net	19	102	34	117
Income from Operations	267	152	597	345
Nonoperating Pension and Postretirement Benefit Income (Expense)	—	1	(1)	3
Interest Expense, Net	(60)	(48)	(118)	(90)
Income before Income Taxes	207	105	478	258
Income Tax Expense	(57)	(39)	(121)	(85)
Net Income	$ 150	$ 66	$ 357	$ 173
Net Income Per Share — Basic	$ 0.49	$ 0.21	$ 1.16	$ 0.56
Net Income Per Share — Diluted	$ 0.49	$ 0.21	$ 1.15	$ 0.56

The accompanying notes are an integral part of the Condensed Consolidated Financial Statements.

GRAPHIC PACKAGING HOLDING COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME
(Unaudited)

	Three Months Ended June 30, 2023		
In millions	Graphic Packaging Holding Company	Noncontrolling Interest	Total
Net Income	$ 150	$ —	$ 150
Other Comprehensive Income (Loss), Net of Tax:			
Derivative Instruments	8	—	8
Pension and Postretirement Benefit Plans	1	—	1
Currency Translation Adjustment	—	(1)	(1)
Total Other Comprehensive Income (Loss), Net of Tax	9	(1)	8
Total Comprehensive Income (Loss)	$ 159	$ (1)	$ 158

In millions	Three Months Ended June 30, 2022
Net Income	$ 66
Other Comprehensive (Loss) Income, Net of Tax:	
Derivative Instruments	(9)
Pension and Postretirement Benefit Plans	1
Currency Translation Adjustment	(95)
Total Other Comprehensive Loss, Net of Tax	(103)
Total Comprehensive Loss	$ (37)

	Six Months Ended June 30, 2023		
In millions	Graphic Packaging Holding Company	Noncontrolling Interest	Total
Net Income	$ 357	$ —	$ 357
Other Comprehensive Income, Net of Tax:			
Derivative Instruments	3	—	3
Pension and Postretirement Benefit Plans	1	—	1
Currency Translation Adjustment	24	—	24
Total Other Comprehensive Income, Net of Tax	28	—	28
Total Comprehensive Income	$ 385	$ —	$ 385

In millions	Six Months Ended June 30, 2022
Net Income	$ 173
Other Comprehensive Income (Loss), Net of Tax:	
Derivative Instruments	10
Pension and Postretirement Benefit Plans	(8)
Currency Translation Adjustment	(123)
Total Other Comprehensive Loss, Net of Tax	(121)
Total Comprehensive Income	$ 52

The accompanying notes are an integral part of the Condensed Consolidated Financial Statements.

GRAPHIC PACKAGING HOLDING COMPANY
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

In millions, except share and per share amounts	June 30, 2023	December 31, 2022
ASSETS		
Current Assets:		
Cash and Cash Equivalents	$ 125	$ 150
Receivables, Net	933	879
Inventories, Net	1,729	1,606
Other Current Assets	114	71
Total Current Assets	2,901	2,706
Property, Plant and Equipment, Net	4,753	4,579
Goodwill	2,048	1,979
Intangible Assets, Net	693	717
Other Assets	344	347
Total Assets	$ 10,739	$ 10,328
LIABILITIES		
Current Liabilities:		
Short-Term Debt and Current Portion of Long-Term Debt	$ 463	$ 53
Accounts Payable	996	1,123
Compensation and Employee Benefits	195	295
Interest Payable	59	51
Other Accrued Liabilities	424	411
Total Current Liabilities	2,137	1,933
Long-Term Debt	5,046	5,200
Deferred Income Tax Liabilities	708	668
Accrued Pension and Postretirement Benefits	112	111
Other Noncurrent Liabilities	286	266
SHAREHOLDERS' EQUITY		
Preferred Stock, par value $0.01 per share; 100,000,000 shares authorized; no shares issued or outstanding	—	—
Common Stock, par value $0.01 per share; 1,000,000,000 shares authorized; 307,202,827 and 307,116,089 shares issued and outstanding at June 30, 2023 and December 31, 2022, respectively	3	3
Capital in Excess of Par Value	2,052	2,054
Retained Earnings	743	469
Accumulated Other Comprehensive Loss	(349)	(377)
Total Graphic Packaging Holding Company Shareholders' Equity	2,449	2,149
Noncontrolling Interest	1	1
Total Equity	2,450	2,150
Total Liabilities and Shareholders' Equity	$ 10,739	$ 10,328

The accompanying notes are an integral part of the Condensed Consolidated Financial Statements.

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GRAPHIC PACKAGING HOLDING COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF EQUITY AND NONCONTROLLING INTEREST
(Unaudited)

In millions, except share amounts	Common Stock Shares	Common Stock Amount	Capital in Excess of Par Value	Retained Earnings	Accumulated Other Comprehensive (Loss) Income	Noncontrolling Interests	Total Equity
Balances at December 31, 2022	**307,116,089**	**$ 3**	**$ 2,054**	**$ 469**	**$ (377)**	**$ 1**	**$ 2,150**
Net Income	—	—	—	207	—	—	207
Other Comprehensive (Loss) Income, Net of Tax:							
Derivative Instruments	—	—	—	—	(5)	—	(5)
Currency Translation Adjustment	—	—	—	—	24	1	25
Repurchase of Common Stock[(a)]	(1,210,000)	—	(7)	(22)	—	—	(29)
Dividends Declared	—	—	—	(31)	—	—	(31)
Recognition of Stock-Based Compensation, Net	—	—	(7)	—	—	—	(7)
Issuance of Shares for Stock-Based Awards	1,221,873	—	—	—	—	—	—
Balances at March 31, 2023	**307,127,962**	**$ 3**	**$ 2,040**	**$ 623**	**$ (358)**	**$ 2**	**$ 2,310**
Net Income	—	—	—	150	—	—	150
Other Comprehensive Income (Loss), Net of Tax:							
Derivative Instruments	—	—	—	—	8	—	8
Pension and Postretirement Benefit Plans					1		1
Currency Translation Adjustment	—	—	—	—	—	(1)	(1)
Repurchase of Common Stock	(14,232)	—	—	—	—	—	—
Dividends Declared	—	—	—	(30)	—	—	(30)
Recognition of Stock-Based Compensation, Net	—	—	12	—	—	—	12
Issuance of Shares for Stock-Based Awards	89,097	—	—	—	—	—	—
Balances at June 30, 2023	**307,202,827**	**$ 3**	**$ 2,052**	**$ 743**	**$ (349)**	**$ 1**	**$ 2,450**

[(a)] Includes 60,000 shares repurchased but not yet settled as of March 31, 2023.

In millions, except share amounts	Common Stock Shares	Common Stock Amount	Capital in Excess of Par Value	Retained Earnings	Accumulated Other Comprehensive (Loss) Income	Noncontrolling Interests	Total Equity
Balances at December 31, 2021	**307,103,551**	**$ 3**	**$ 2,046**	**$ 66**	**$ (224)**	**$ 2**	**$ 1,893**
Net Income	—	—	—	107	—	—	107
Other Comprehensive Income (Loss), Net of Tax:							
Derivative Instruments	—	—	—	—	19	—	19
Pension and Postretirement Benefit Plans	—	—	—	—	(9)	—	(9)
Currency Translation Adjustment	—	—	—	—	(28)	—	(28)
Dividends Declared	—	—	—	(23)	—	—	(23)
Recognition of Stock-Based Compensation, Net	—	—	(8)	—	—	—	(8)
Issuance of Shares for Stock-Based Awards	1,184,737	—	—	—	—	—	—
Balances at March 31, 2022	**308,288,288**	**$ 3**	**$ 2,038**	**$ 150**	**$ (242)**	**$ 2**	**$ 1,951**
Net Income	—	—	—	66	—	—	66
Other Comprehensive (Loss) Income, Net of Tax:							
Derivative Instruments	—	—	—	—	(9)	—	(9)
Pension and Postretirement Benefit Plans	—	—	—	—	1	—	1
Currency Translation Adjustment	—	—	—	—	(95)	—	(95)
Repurchase of Common Stock[(a)]	(379,000)	—	(2)	(5)	—	—	(7)
Dividends Declared	—	—	—	(23)	—	—	(23)
Recognition of Stock-Based Compensation, Net	—	—	8	—	—	—	8
Issuance of Shares for Stock-Based Awards	123,102	—	—	—	—	—	—
Balances at June 30, 2022	**308,032,390**	**$ 3**	**$ 2,044**	**$ 188**	**$ (345)**	**$ 2**	**$ 1,892**

[(a)] Includes 32,000 shares repurchased but not yet settled as of June 30, 2022.

The accompanying notes are an integral part of the Condensed Consolidated Financial Statements.

GRAPHIC PACKAGING HOLDING COMPANY
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

In millions	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net Income	$ 357	$ 173
Adjustments to Reconcile Net Income to Net Cash Provided by Operating Activities:		
Depreciation and Amortization	304	278
Deferred Income Taxes	38	40
Amount of Postretirement Expense (Less) Than Funding	—	(5)
Impairment Charges related to Divestiture	7	92
Other, Net	35	19
Changes in Operating Assets and Liabilities	(450)	(309)
Net Cash Provided by Operating Activities	291	288
CASH FLOWS FROM INVESTING ACTIVITIES:		
Capital Spending	(372)	(351)
Packaging Machinery Spending	(13)	(10)
Acquisition of Businesses, Net of Cash Acquired	(100)	—
Beneficial Interest on Sold Receivables	60	54
Beneficial Interest Obtained in Exchange for Proceeds	(9)	(2)
Other, Net	(3)	(2)
Net Cash Used in Investing Activities	(437)	(311)
CASH FLOWS FROM FINANCING ACTIVITIES:		
Repurchase of Common Stock	(29)	(7)
Payments on Debt	(10)	(7)
Borrowings under Revolving Credit Facilities	2,636	2,517
Payments on Revolving Credit Facilities	(2,379)	(2,480)
Repurchase of Common Stock related to Share-Based Payments	(20)	(17)
Dividends Paid	(61)	(46)
Other, Net	(6)	10
Net Cash Provided by (Used In) Financing Activities	131	(30)
Effect of Exchange Rate Changes on Cash	(3)	(7)
Net Decrease in Cash and Cash Equivalents	(18)	(60)
Cash and Cash Equivalents at Beginning of Period (includes $5 million classified as held for sale as of December 31, 2022)	155	172
Cash and Cash Equivalents at End of Period (includes $12 million classified as held for sale as of June 30, 2023)	$ 137	$ 112
Non-cash Investing Activities:		
Beneficial Interest Obtained in Exchange for Trade Receivables	$ 67	$ 58
Right-of-Use Assets Obtained in Exchange for New Operating Lease Liabilities	$ 35	$ 14

The accompanying notes are an integral part of the Condensed Consolidated Financial Statements.

NOTE 1 — GENERAL INFORMATION

Nature of Business

Graphic Packaging Holding Company ("GPHC" and, together with its subsidiaries, the "Company") is committed to providing consumer packaging that makes a world of difference. The Company, a leading fiber-based consumer packaging provider, serves the world's most widely-recognized food, beverage, foodservice and other consumer products companies and brands. The Company operates on a global basis, is one of the largest producers of folding cartons and fiber-based foodservice products in the United States ("U.S.") and Europe, and holds leading market positions in paperboard used to produce consumer packaging solutions including coated-recycled paperboard ("CRB"), coated unbleached kraft paperboard ("CUK") and solid bleached sulfate paperboard ("SBS").

The Company's customers include many of the world's most widely recognized companies and brands with prominent market positions in beverage, food, foodservice, and other consumer products. The Company strives to provide its customers with innovative, fiber-based packaging solutions designed to deliver marketing and performance benefits at a competitive cost by capitalizing on its low-cost paperboard mills and global packaging network, its proprietary carton and packaging designs, and its commitment to quality, service, and environmental stewardship.

The Company's Condensed Consolidated Financial Statements include all subsidiaries in which the Company has the ability to exercise direct or indirect control over operating and financial policies. Intercompany transactions and balances are eliminated in consolidation.

In the Company's opinion, the accompanying Condensed Consolidated Financial Statements contain all normal recurring adjustments necessary to state fairly the financial position, results of operations and cash flows for the interim periods. The Company's year-end Condensed Consolidated Balance Sheet data was derived from audited financial statements. The accompanying unaudited Condensed Consolidated Financial Statements have been prepared in accordance with instructions to Form 10-Q and Rule 10-01 of Regulation S-X and do not include all the information required by accounting principles generally accepted in the United States of America ("U.S. GAAP") for complete financial statements. Therefore, these Condensed Consolidated Financial Statements should be read in conjunction with the Company's 2022 Annual Report on Form 10-K for the year ended December 31, 2022. In addition, the preparation of the Condensed Consolidated Financial Statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the Condensed Consolidated Financial Statements and the reported amounts of revenues and expenses during the reporting period. Actual amounts could differ from those estimates and changes in these estimates are recorded when known.

Revenue Recognition

The Company has two primary activities, manufacturing and the converting of paperboard for and into fiber-based consumer packaging, from which it generates revenue from contracts with customers. Revenue is disaggregated primarily by geography and type of activity as further explained in "*Note 10 - Segment Information*." All reportable segments and the Australia and Pacific Rim operating segments recognize revenue under the same method, allocate transaction price using similar methods, and have similar economic factors impacting the uncertainty of revenue and related cash flows.

Revenue is recognized on the Company's annual and multi-year supply contracts when the Company satisfies the performance obligation by transferring control over the product or service to a customer, which is generally based on shipping terms and passage of title under the point-in-time method of recognition. For the three months ended June 30, 2023 and 2022, the Company recognized $2,379 million and $2,353 million, respectively, of revenue from contracts with customers. For the six months ended June 30, 2023 and 2022, the Company recognized $4,807 million and $4,591 million, respectively, of revenue from contracts with customers.

The transaction price allocated to each performance obligation consists of the stand-alone selling price, estimates of rebates and other sales or contract renewal incentives, and cash discounts and sales returns ("Variable Consideration") and excludes sales tax. Estimates are made for Variable Consideration based on contract terms and historical experience of actual results and are applied to the performance obligations as they are satisfied. Purchases by the Company's principal customers are manufactured and shipped with minimal lead time, therefore performance obligations are generally satisfied shortly after manufacturing and shipment. The Company uses standard payment terms that are consistent with industry practice.

The Company's contract assets consist primarily of contract renewal incentive payments to customers which are amortized over the period in which performance obligations related to the contract renewal are satisfied. As of June 30, 2023 and December 31, 2022, contract assets were $6 million and $8 million, respectively. The Company's contract liabilities consist principally of rebates, and as of June 30, 2023 and December 31, 2022 were $62 million and $65 million, respectively.

Accounts Receivable and Allowances

Accounts receivable are stated at the amount owed by the customer, net of an allowance for estimated uncollectible accounts, returns and allowances, and cash discounts. The allowance for doubtful accounts is estimated based on historical experience, current economic conditions and the creditworthiness of customers. Receivables are charged to the allowance when determined to be no longer collectible.

The Company has entered into agreements to sell, on a revolving basis, certain trade accounts receivable to third party financial institutions. Transfers under these agreements meet the requirements to be accounted for as sales in accordance with the *Transfers and Servicing* topic of the Financial Accounting Standards Board ("FASB") Accounting Standards Codification (the "Codification"). The loss on sale is not material and is included in Other Expense, Net on the Condensed Consolidated Statements of Operations. The following table summarizes the activity under these programs for the six months ended June 30, 2023 and 2022, respectively:

In millions	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
Receivables Sold and Derecognized	$ 1,897	$ 1,520
Proceeds Collected on Behalf of Financial Institutions	1,809	1,429
Net Proceeds Received From Financial Institutions	41	102
Deferred Purchase Price at June 30[(a)]	15	8
Pledged Receivables at June 30	211	203

[(a)] Included in Other Current Assets on the Condensed Consolidated Balance Sheets and represents a beneficial interest in the receivables sold to the financial institutions, which is a Level 3 fair value measure.

Receivables sold under all programs subject to continuing involvement, which consists principally of collection services, were $808 million and $753 million as of June 30, 2023 and December 31, 2022, respectively.

The Company also participates in supply chain financing arrangements offered by certain customers that qualify for sale accounting in accordance with the *Transfers and Servicing* topic of the FASB Codification. For the six months ended June 30, 2023 and 2022, the Company sold receivables of $591 million and $535 million, respectively, under these arrangements.

Accounts Payable and Supplier Finance Program

The Company has arranged a supplier finance program ("SFP") with a financial intermediary, which provides certain suppliers the option to be paid by the financial intermediary earlier than the due date on the applicable invoice. The transactions are at the sole discretion of both the suppliers and financial institution, and GPHC is not a party to the agreements and has no economic interest in the supplier's decision to sell a receivable. The range of payment terms negotiated by the Company with its suppliers is consistent, irrespective of whether a supplier participates in the program. The agreement with the financial intermediary does not require GPHC to provide assets pledged as security or other forms of guarantees for the supplier finance program. Amounts due to the Company's suppliers that elected to participate in the SFP program are included in Accounts Payable on the Company's Condensed Consolidated Balance Sheets and payments made under the SFP program are reflected in Cash Flows from Operating Activities in the Company's Condensed Consolidated Statements of Cash Flows. Accounts payable included $33 million and $34 million payable to suppliers who elected to participate in the SFP program as of June 30, 2023 and December 31, 2022, respectively.

Non-cash additions to Property, Plant and Equipment, Net included within Accounts Payable on the Company's Condensed Consolidated Balance Sheets were $65 million and $55 million at June 30, 2023 and December 31, 2022, respectively.

Share Repurchases and Dividends

On February 20, 2023 and May 24, 2023, the Company's board of directors declared a regular quarterly dividend of $0.10 per share of common stock payable on April 5, 2023 and July 5, 2023 to shareholders of record as of March 15, 2023 and June 15, 2023, respectively.

On January 28, 2019, the Company's board of directors authorized a share repurchase program to allow the Company to purchase up to $500 million of the Company's issued and outstanding shares of common stock through open market purchases, privately negotiated transactions and Rule 10b5-1 plans (the "2019 share repurchase program"). As of June 30, 2023, the Company has $90 million available for additional repurchases under the 2019 share repurchase program.

GRAPHIC PACKAGING HOLDING COMPANY
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

The following table presents the Company's share repurchases for the six months ended June 30, 2023 and 2022 respectively:

Amount repurchased in millions, except share and per share amounts	Amount Repurchased	Number of Shares Repurchased	Average Price per Share
2023	$ 29	1,224,232	$ 24.07
2022	$ 7	379,000	$ 20.46

Business Combinations, Shutdown and Other Special Charges, and Exit Activities, Net

The following table summarizes the transactions recorded in Business Combinations and Shutdown and Other Special Charges, Net in the Condensed Consolidated Statements of Operations:

	Three Months Ended June 30,		Six Months Ended June 30,	
In millions	2023	2022	2023	2022
Charges Associated with Business Combinations[(a)]	$ 2	$ 5	$ 2	$ 13
Shutdown and Other Special Charges[(b)]	8	1	8	2
Exit Activities[(c)]	6	4	17	10
Charges Associated with a Divestiture[(d)]	3	92	7	92
Total	$ 19	$ 102	$ 34	$ 117

[(a)] These costs relate to the Americraft Carton, Inc., AR Packaging Group AB and Tama Paperboard, LLC acquisitions.
[(b)] These costs include $7 million related to the devaluation of the Nigerian Naira in June 2023.
[(c)] Relates to the Company's closures of its three smaller CRB mills (which includes the Tama Paperboard, LLC mill) as well as the closures of folding carton plants (see *"Note 13 - Exit Activities"*).
[(d)] Relates to the Company's planned divestiture of its Russian business (see *"Note 14 - Impairment and Divestiture of Russian Business"*).

2023

On January 31, 2023, the Company completed the acquisition of Tama Paperboard, LLC ("Tama"), a CRB mill located in Tama, Iowa. The costs associated with this acquisition were less than $1 million and are included in Charges Associated with Business Combinations in the table above. For more information, see *"Note 3 - Business Combinations"*. Subsequently, in the second quarter of 2023, the Company closed this facility. Charges associated with this project are included in Exit Activities in the table above. For more information, see *"Note 13 - Exit Activities."*

On February 7, 2023, the Company announced an approximately $1 billion investment in a new CRB mill in Waco, Texas. In conjunction with the completion of this project, the Company expects to close two additional smaller CRB mills in order to strategically expand capacity while lowering costs. Charges associated with this project are included in Exit Activities in the table above. For more information, see *"Note 13 - Exit Activities."*

During the second quarter of 2023, the Company announced the closure of three folding carton plants by the end of 2023. Production from these plants will be consolidated into other carton plants. Charges associated with these plant closures are included in Exit Activities in the table above. For more information, see *"Note 13 - Exit Activities."*

2022

In March 2022, the Company announced its decision to close the Norwalk, Ohio packaging facility and closed the facility in September 2022. Charges associated with this project are included in Exit Activities in the table above. For more information, see *"Note 13 - Exit Activities."*

In 2022, the Company began the process of divesting its interests in its two packaging facilities in Russia (the "Disposal Group"). Impairment charges associated with this divestiture are included in the table above for the three and six months ended June 30, 2022 and 2023. For more information, see *"Note 14 - Impairment and Divestiture of Russian Business."*

Adoption of New Accounting Standards

In September 2022, the FASB issued ASU 2022-04, *Liabilities - Supplier Finance Programs (Subtopic 405-50): Disclosure of Supplier Finance Program Obligations*, which is intended to enhance the transparency surrounding the use of supplier finance programs. Supplier finance programs may also be referred to as reverse factoring, payables finance, or structured payables arrangements. The amendments require a buyer that uses supplier finance programs to make annual disclosures about the program's key terms, the balance sheet presentation of related amounts, the confirmed amount outstanding at the end of the period, and associated rollforward information. Only the amount outstanding at the end of the period must be disclosed in interim periods. The amendments are effective for all entities for fiscal years beginning after December 15, 2022 on a retrospective basis, including interim periods with those fiscal years, except for the requirement to disclose rollforward information, which is effective prospectively for fiscal years beginning after December 15, 2023. The Company adopted this standard in the first quarter of fiscal 2023 and did not result in any changes in accounting principle upon transition. The impact to the Company's overall financial position and results of operations is immaterial.

In March 2022, the FASB issued ASU 2022-01, *Derivatives and Hedging (Topic 815): Fair Value Hedging – Portfolio Layer Method*. This ASU expands and clarifies the portfolio layer method for fair value hedges of interest rate risk. The Company adopted this standard in the first quarter of fiscal 2023 with no material impact on the Company's financial position and results of operations.

In October 2021, the FASB issued ASU No. 2021-08, *Business Combinations (Topic 805): Accounting for Acquired Contract Assets and Contract Liabilities*. Under the new guidance, the acquirer should determine what contract assets and/or contract liabilities it would have recorded under ASC 606 as of the acquisition date, as if the acquirer had entered into the original contract at the same date and on the same terms as the acquiree. The recognition and measurement of those contract assets and contract liabilities will likely be comparable to what the acquiree has recorded on its books under ASC 606 as of the acquisition date. The Company adopted this standard in the first quarter of fiscal 2023 with no material impact on the Company's financial position and results of operations.

Accounting Standards Not Yet Adopted

In June 2022, the FASB issued ASU 2022-03, *Fair Value Measurement (Topic 820): Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions*. This ASU clarifies that contractual sale restrictions should not be considered in measuring the fair value of equity securities. This ASU is effective for fiscal years beginning after December 15, 2023, including interim periods therein, with early adoption permitted. The Company will continue evaluating the impact of this ASU.

NOTE 2 — INVENTORIES, NET

Inventories, Net by major class:

In millions	**June 30, 2023**	**December 31, 2022**
Finished Goods	$ 620	$ 515
Work in Progress	206	218
Raw Materials	648	645
Supplies	255	228
Total	$ 1,729	$ 1,606

NOTE 3 — BUSINESS COMBINATIONS

Tama Paperboard, LLC

On January 31, 2023, the Company completed the acquisition of Tama Paperboard, LLC, a CRB mill located in Tama, Iowa, from Greif Packaging LLC for approximately $100 million, using existing cash and borrowings under its revolving credit facility.

During the second quarter of 2023, the Company finalized the acquisition accounting adjustments for Tama and the purchase price has been allocated to assets acquired and liabilities assumed based on the fair values as of the acquisition date. The excess of the purchase price over the fair value of the net assets acquired was allocated to goodwill, which is expected to be deductible for tax purposes, and is reported within the Paperboard Mills reportable segment.

NOTE 4 — DEBT

Short-Term Debt and Current Portion of Long-Term Debt is comprised of the following:

In millions	June 30, 2023	December 31, 2022
Short-Term Borrowings	$ 18	$ 16
Current Portion of Finance Lease Obligations	9	11
Current Portion of Long-Term Debt[(a)]	436	26
Total Short-Term Debt and Current Portion of Long-Term Debt	$ 463	$ 53

[(a)] Includes the 0.821% Senior Notes due 2024.

Long-Term Debt is comprised of the following:

In millions	June 30, 2023	December 31, 2022
Senior Notes with interest payable semi-annually at 0.821%, effective rate of 0.82%, payable in 2024[(a)]	$ 400	$ 400
Senior Notes with interest payable semi-annually at 4.125%, effective rate of 4.14%, payable in 2024[(b)]	300	300
Senior Notes with interest payable semi-annually at 1.512%, effective rate of 1.52%, payable in 2026[(a)]	400	400
Senior Notes with interest payable semi-annually at 4.75%, effective rate of 4.79%, payable in 2027[(a)]	300	300
Senior Notes with interest payable semi-annually at 3.50%, effective rate of 3.53%, payable in 2028[(a)]	450	450
Senior Notes with interest payable semi-annually at 3.50%, effective rate of 3.54%, payable in 2029[(a)]	350	350
Senior Notes (€290 million) with interest payable semi-annually at 2.625% , effective rate of 2.65%, payable in 2029[(a)]	317	311
Senior Notes with interest payable semi-annually at 3.75% , effective rate of 3.79%, payable in 2030[(a)]	400	400
Green Bond, net of unamortized premium with interest payable at 4.00%, effective rate of 1.72%, payable in 2026[(a)]	107	108
Senior Secured Term Loan A-2 Facility with interest payable quarterly at 2.67%, effective rate of 2.68% payable in 2028[(a)]	425	425
Senior Secured Term Loan A-3 Facility with interest payable monthly payable at floating rates (6.57% at June 30, 2023), effective rate of 6.60%, payable in 2028[(a)]	250	250
Senior Secured Term Loan Facilities with interest payable at various dates at floating rates (6.33% at June 30, 2023) payable through 2026[(a)]	523	529
Senior Secured Term Loan Facility (€210 million) with interest payable at various dates at floating rates (4.59% at June 30, 2023) payable through 2026[(a)]	226	225
Senior Secured Revolving Credit Facilities with interest payable at floating rates (6.62% at June 30, 2023) payable in 2026[(a)(c)]	891	634
Finance Leases and Financing Obligations	165	170
Other	13	15
Total Long-Term Debt Including Current Portion	5,517	5,267
Less: Current Portion	445	37
Total Long-term Debt Excluding Current Portion	5,072	5,230
Less: Unamortized Debt Deferred Issuance Costs	26	30
Total Long-Term Debt	$ 5,046	$ 5,200

[(a)] Guaranteed by Graphic Packaging International Partners, LLC, a Delaware limited liability company and a wholly-owned subsidiary of the Company ("GPIP") and certain domestic subsidiaries.
[(b)] Guaranteed by GPHC and certain domestic subsidiaries.
[(c)] The weighted average effective interest rates for the Company's Senior Secured Revolving Credit Facilities were 6.31% and 3.52% as of June 30, 2023 and December 31, 2022, respectively.

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2023

On February 7, 2023, Graphic Packaging International, LLC, a Delaware limited liability company and a direct subsidiary of GPIP ("GPIL") entered into Amendment No. 3 to the Fourth Amended and Restated Credit Agreement (the "Third Amendment"). The Third Amendment provides for a future replacement floating interest rate benchmark (the Canadian Overnight Repo Rate Average "CORRA") to take effect upon the cessation of the Canadian Dollar Offered Rate ("CDOR") for Canadian Dollar borrowings under the domestic revolving credit facility. The Third Amendment also modified the borrowing mechanics for certain term SOFR loans under the domestic revolving line of credit.

At June 30, 2023, the Company and its U.S. and international subsidiaries had the following commitments, amounts outstanding and amounts available under revolving credit facilities:

In millions	Total Commitments	Total Outstanding	Total Available[a]
Senior Secured Domestic Revolving Credit Facility	$ 1,850	$ 772	$ 1,056
Senior Secured International Revolving Credit Facility	197	119	78
Other International Facilities	69	31	38
Total	$ 2,116	$ 922	$ 1,172

[a] In accordance with its debt agreements, the Company's availability under its revolving credit facilities has been reduced by the amount of standby letters of credit issued of $22 million as of June 30, 2023. These letters of credit are primarily used as security against the Company's self-insurance obligations and workers' compensation obligations. These letters of credit expire at various dates through 2023 unless extended.

Covenant Agreements

The Covenants in the Company's Fourth Amended and Restated Credit Agreement (as amended, the "Current Credit Agreement") and the indentures governing the 0.821% Senior Notes due 2024, 4.125% Senior Notes due 2024, 1.512% Senior Notes due 2026, 4.75% Senior Notes due 2027, 3.50% Senior Notes due 2028, 3.50% Senior Notes due 2029, 2.625% Senior Notes due 2029 and 3.75% Senior Notes due 2030 (the "Indentures"), limit the Company's ability to incur additional indebtedness. Additional covenants contained in the Current Credit Agreement and the Indentures may, among other things, restrict the ability of the Company to dispose of assets, incur guarantee obligations, prepay other indebtedness, repurchase stock, pay dividends and make other restricted payments, create liens, make equity or debt investments, make acquisitions, modify terms of the Indentures, engage in mergers or consolidations, change the business conducted by the Company and its subsidiaries, and engage in certain transactions with affiliates. Such restrictions could limit the Company's ability to respond to changing market conditions, fund its capital spending program, provide for unexpected capital investments or take advantage of business opportunities.

As of June 30, 2023, the Company was in compliance with the covenants in the Current Credit Agreement and the Indentures.

NOTE 5 — STOCK INCENTIVE PLANS

The Company has one active equity compensation plan from which new grants may be made, the Graphic Packaging Holding Company 2014 Omnibus Stock and Incentive Compensation Plan (the "2014 Plan"). The 2014 Plan allows for granting shares of stock, options, stock appreciation rights, restricted stock, restricted stock units ("RSUs"), restricted stock awards ("RSAs"), and other types of stock-based and cash awards. Awards under the 2014 Plan vest and expire in accordance with terms established at the time of grant. Shares issued pursuant to awards under the 2014 Plan are from GPHC's authorized but unissued shares. Compensation costs are recognized on a straight-line basis over the requisite service period of the award and are adjusted for actual performance for performance-based awards. As of June 30, 2023, there were 8.9 million shares remaining available to be granted under the 2014 Plan.

Stock Awards, Restricted Stock and Restricted Stock Units

Under the 2014 Plan and related RSU grant agreements, RSUs granted to employees generally vest and become payable in three years from date of grant. RSUs granted to employees generally contain some combination of service and performance objectives based on various financial targets and relative total shareholder return that must be met for the RSUs to vest. RSUs granted as deferred compensation for non-employee directors are fully vested but not payable until the distribution date elected by the director. Stock awards issued to non-employee directors as part of their compensation for service on the Board are unrestricted on the grant date.

Data concerning RSUs and Stock Awards granted in the first six months of 2023 is as follows:

		Weighted Average Grant Date Fair Value Per Share
RSUs — Employees and Non-Employee Directors	1,710,121	$ 23.72
Stock Awards - Board of Directors	25,588	$ 25.01

During the six months ended June 30, 2023 and 2022, $25 million and $17 million, respectively, were charged to compensation expense for stock incentive plans and such amounts are included in Selling, General and Administrative expenses in the Condensed Consolidated Statements of Operations.

During the six months ended June 30, 2023 and 2022, 1.3 million and 1.2 million shares were issued, respectively. The shares issued were primarily related to RSUs granted to employees during 2020 and 2019.

NOTE 6 — PENSIONS AND OTHER POSTRETIREMENT BENEFITS

The Company maintains both defined benefit pension plans and postretirement health care plans that provide medical and life insurance coverage to eligible salaried and hourly retired employees in North America and their dependents. The Company maintains international defined benefit pension plans which are either noncontributory or contributory and are funded in accordance with applicable local laws. Pension or termination benefits are based primarily on years of service and the employee's compensation.

Pension and Postretirement Expense

The pension and postretirement expenses related to the Company’s plans consisted of the following:

	Pension Benefits				Postretirement Benefits			
	Three Months Ended June 30,		Six Months Ended June 30,		Three Months Ended June 30,		Six Months Ended June 30,	
In millions	2023	2022	2023	2022	2023	2022	2023	2022
Components of Net Periodic Cost:								
Service Cost	$ 2	$ 3	$ 4	$ 7	$ —	$ —	$ —	$ —
Interest Cost	6	3	11	6	—	—	—	—
Expected Return on Plan Assets	(7)	(5)	(12)	(11)	—	—	—	—
Amortization:								
Actuarial Loss (Gain)	2	1	3	2	(1)	—	(1)	—
Net Periodic Cost (Benefit)	$ 3	$ 2	$ 6	$ 4	$ (1)	$ —	$ (1)	$ —

Employer Contributions

The Company made $4 million and $8 million of contributions to its pension plans during the first six months of 2023 and 2022, respectively. In the first quarter of 2022, the Company made a $6 million contribution to its remaining U.S. defined benefit plan by effectively utilizing the excess balance related to the U.S. defined benefit plan terminated in 2020. The Company expects to make contributions in the range of $10 million to $20 million for the full year of 2023.

The Company also made postretirement health care benefit payments of $1 million during the first six months of 2023 and 2022. For the full year 2023, the Company expects to make approximately $2 million contributions to its postretirement health care plans.

NOTE 7 — FINANCIAL INSTRUMENTS AND FAIR VALUE MEASUREMENT

The Company enters into derivative instruments for risk management purposes only, including derivatives designated as hedging instruments under the *Derivatives and Hedging* topic of the FASB Codification and those not designated as hedging instruments under this guidance. The Company uses interest rate swaps, natural gas swap contracts and forward exchange contracts. These derivative instruments are designated as cash flow hedges and, to the extent they are effective in offsetting the variability of the hedged cash flows, changes in the derivatives’ fair value are not included in current earnings but are included in Accumulated Other Comprehensive Loss. These changes in fair value will subsequently be reclassified to earnings, contemporaneously with and offsetting changes in the related hedged exposure and presented in the same line of the income statement expected for the hedged item.

For more information regarding the Company’s financial instruments and fair value measurement, see “*Note 10 - Financial Instruments, Derivatives and Hedging Activities*” and “*Note 11 - Fair Value Measurement*” of the Notes to the Consolidated Financial Statements of the Company's 2022 Annual Report on Form 10-K.

Interest Rate Risk

The Company uses interest rate swaps to manage interest rate risks on future interest payments caused by interest rate changes on its variable rate term loan facilities. Changes in fair value will subsequently be reclassified into earnings as a component of Interest Expense, Net as interest is incurred on amounts outstanding under the term loan facilities.

The following table summarizes the Company's current interest rate swap positions as of June 30, 2023:

Start	End	Notional Amount (In Millions)	Weighted Average Interest Rate
04/03/2023	04/01/2024	$750	4.71%

These derivative instruments are designated as cash flow hedges and, to the extent they are effective in offsetting the variability of the hedged cash flows, changes in the derivatives fair value are not included in current earnings but are included in Accumulated Other Comprehensive Loss. Ineffectiveness measured in the hedging relationship is recorded in earnings in the period it occurs. During the first six months of 2023, there were no amounts of ineffectiveness. Additionally, there were no amounts excluded from the measure of effectiveness.

As discussed in "*Note 8 - Income Taxes*", a $10 million expense was recorded in the six months ended June 30, 2022 to release the lingering tax expense remaining in Other Comprehensive Income after the settlement of interest rate swaps that occurred in January 2022.

Commodity Risk

To manage risks associated with future variability in cash flows and price risk attributable to purchases of natural gas, the Company enters into natural gas swap contracts to hedge prices for a designated percentage of its expected natural gas usage. Such contracts are designated as cash flow hedges. The contracts are carried at fair value with changes in fair value recognized in Accumulated Other Comprehensive Loss and resulting gain or loss reclassified into Cost of Sales concurrently with the recognition of the commodity consumed. The Company has hedged approximately 55% and 30% of its expected natural gas usage for the remainder of 2023 and 2024, respectively.

During the first six months of 2023 and 2022, there wereno amounts of ineffectiveness related to changes in the fair value of natural gas swap contracts. Additionally, there wereno amounts excluded from the measure of effectiveness.

Derivatives not Designated as Hedges

The Company enters into forward exchange contracts to effectively hedge substantially all of its accounts receivables resulting from sales transactions and intercompany loans denominated in foreign currencies in order to manage risks associated with variability in cash flows that may be adversely affected by changes in exchange rates. At June 30, 2023 and December 31, 2022, multiple foreign currency forward exchange contracts existed, with maturities ranging up to three months. Those foreign currency exchange contracts outstanding at June 30, 2023 and December 31, 2022, when aggregated and measured in U.S. dollars at contractual rates at June 30, 2023 and December 31, 2022, had net notional amounts totaling $146 million and $111 million, respectively. Unrealized gains and losses resulting from these contracts are recognized in Other Expense, Net and approximately offset corresponding recognized but unrealized gains and losses on the remeasurement of these accounts receivable.

Fair Value of Financial Instruments

The Company's derivative instruments are carried at fair value. The Company has determined that the inputs to the valuation of these derivative instruments are Level 2 in the fair value hierarchy. Level 2 inputs are defined as quoted prices for similar assets and liabilities in active markets or inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the financial instrument. The Company uses valuation techniques based on discounted cash flow analyses, which reflect the terms of the derivatives and use observable market-based inputs, including forward rates, and uses market price quotations obtained from independent derivatives brokers, corroborated with information obtained from independent pricing service providers.

As of June 30, 2023, there has not been any significant impact to the fair value of the Company's derivative liabilities due to its own credit risk. Similarly, there has not been any significant adverse impact to the Company's derivative assets based on evaluation of the Company's counterparties' credit risks. As of June 30, 2023 and December 31, 2022, the Company had commodity contract derivative liabilities, which were included in Other Accrued Liabilities on the Condensed Consolidated Balance Sheet of $8 million and $12 million, respectively.

The fair values of the Company's other financial assets and liabilities at June 30, 2023 and December 31, 2022 approximately equal the carrying values reported on the Condensed Consolidated Balance Sheets except for Long-Term Debt. The fair value of the Company's Long-Term Debt (excluding finance leases and deferred financing fees) was $ 5,055 million and $4,749 million as compared to the carrying amounts of $5,351 million and $5,097 million as of June 30, 2023 and December 31, 2022, respectively. The fair value of the Company's Total Debt, including the Senior Notes, is based on quoted market prices (Level 2 inputs). Level 2 valuation techniques for Long-Term Debt are based on quotations obtained from independent pricing service providers.

Effect of Derivative Instruments

The pre-tax effect of derivative instruments in cash flow hedging relationships on the Company's Condensed Consolidated Statements of Operations is as follows:

	Amount of (Gain) Loss Recognized in Accumulated Other Comprehensive Loss					Amount of Loss (Gain) Recognized in Statement of Operations			
	Three Months Ended June 30,		Six Months Ended June 30,			Three Months Ended June 30,		Six Months Ended June 30,	
In millions	2023	2022	2023	2022	Location in Statement of Operations	2023	2022	2023	2022
Commodity Contracts	$ 2	$ 6	$ 19	$ —	Cost of Sales	$ 9	$ (3)	$ 20	$ (6)
Interest Rate Swap Agreements	(4)	—	(3)	—	Interest Expense, Net	(1)	—	(1)	—
Total	$ (2)	$ 6	$ 16	$ —	Total	$ 8	$ (3)	$ 19	$ (6)

At June 30, 2023, the Company expects to reclassify $8 million of pre-tax gain in the next twelve months from Accumulated Other Comprehensive Loss to earnings, contemporaneously with and offsetting changes in the related hedged exposure. The actual amount that will be reclassified to future earnings may vary from this amount as a result of changes in market conditions.

The pre-tax effect of derivative instruments not designated as hedging instruments on the Company's Condensed Consolidated Statements of Operations is as follows:

		Three Months Ended June 30,		Six Months Ended June 30,	
In millions		2023	2022	2023	2022
Foreign Currency Contracts	Other Expense (Income), Net	$ (1)	$ (7)	$ (4)	$ (9)

NOTE 8 — INCOME TAXES

During the six months ended June 30, 2023, the Company recognized Income Tax Expense of $121 million on Income before Income Taxes of $478 million. The effective tax rate for the six months ended June 30, 2023 is different from the statutory rate primarily due to the tax impact of the charges associated with the planned divestiture of the Company's operations in Russia that result in no corresponding tax benefit, a tax benefit of $2 million related to excess tax benefits on restricted stock that vested during the period, an increase in the Company's valuation allowance against a portion of its net deferred tax assets in Sweden and the mix of earnings between foreign and domestic jurisdictions, including those with and without valuation allowances.

During the six months ended June 30, 2022, the Company recognized Income Tax Expense of $85 million on Income before Income Taxes of $258 million. The effective tax rate for the six months ended June 30, 2022 was different from the statutory rate primarily due to discrete tax adjustments including tax expense of $10 million recorded to release the lingering tax expense remaining in Other Comprehensive Income after the settlement of certain swaps and a tax benefit of $2 million related to excess tax benefits on restricted stock that vested during the period. In addition, the recognition of deferred tax assets and liabilities on unrealized foreign currency activity related to intercompany loans where the entity functional currency and the loan denomination currency are different than the tax reporting currency resulted in a decrease in the effective tax rate for the period.

NOTE 9 — ENVIRONMENTAL AND LEGAL MATTERS

Environmental Matters

The Company is subject to a broad range of foreign, federal, state and local environmental, health and safety laws and regulations, including those governing discharges to air, soil and water, the management, treatment and disposal of hazardous substances, solid waste and hazardous wastes, the investigation and remediation of contamination resulting from historical site operations and releases of hazardous substances, the recycling of packaging and the health and safety of employees. Compliance initiatives could result in significant costs, which could negatively impact the Company's consolidated financial position, results of operations or cash flows. Any failure to comply with environmental or health and safety laws and regulations or any permits and authorizations required thereunder could subject the Company to fines, corrective action or other sanctions.

Some of the Company's current and former facilities are the subject of environmental investigations and remediations resulting from historical operations and the release of hazardous substances or other constituents. Some current and former facilities have a history of industrial usage for which investigation and remediation obligations may be imposed in the future or for which indemnification claims may be asserted against the Company. Also, closures or sales of facilities may necessitate further investigation and may result in remediation at those facilities.

The Company has established reserves for those facilities or issues where a liability is probable and the costs are reasonably estimable. The Company believes that the amounts accrued for its loss contingencies, and the reasonably possible loss beyond the amounts accrued, are not material to the Company's consolidated financial position, results of operations or cash flows. The Company cannot estimate with certainty other future compliance, investigation or remediation costs. Some costs relating to historic usage that the Company considers to be reasonably possible of resulting in liability are not quantifiable at this time. The Company will continue to monitor environmental issues at each of its facilities, as well as regulatory developments, and will revise its accruals, estimates and disclosures relating to past, present and future operations, as additional information is obtained.

Legal Matters

The Company is a party to a number of lawsuits arising in the ordinary conduct of its business. Although the timing and outcome of these lawsuits cannot be predicted with certainty, the Company does not believe that disposition of these lawsuits will have a material adverse effect on the Company's consolidated financial position, results of operations or cash flows.

NOTE 10 — SEGMENT INFORMATION

The Company has three reportable segments as follows:

Paperboard Mills includes the seven North American paperboard mills that produce primarily CRB, CUK, and SBS, which is consumed internally to produce paperboard consumer packaging for the Americas and Europe Packaging segments. Paperboard not consumed internally is sold externally to a wide variety of paperboard packaging converters and brokers. The Paperboard Mills segment Net Sales represent the sale of paperboard only to external customers. The effect of intercompany transfers to the paperboard packaging segments has been eliminated from the Paperboard Mills segment to reflect the economics of the integration of these segments.

Americas Paperboard Packaging includes paperboard packaging, primarily folding cartons, sold primarily to consumer packaged goods ("CPG") companies, and cups, lids and food containers sold primarily to foodservice companies and quick-service restaurants ("QSR"), serving the food, beverage, and consumer product markets in the Americas.

Europe Paperboard Packaging includes paperboard packaging, primarily folding cartons, sold primarily to CPG companies serving the food, beverage and consumer product markets including healthcare and beauty primarily in Europe.

The Company allocates certain mill and corporate costs to the reportable segments to appropriately represent the economics of these segments. The Corporate and Other caption includes the Pacific Rim and Australia operating segments and unallocated corporate and one-time costs.

These segments are evaluated by the chief operating decision maker based primarily on Income from Operations, as adjusted for depreciation and amortization. The accounting policies of the reportable segments are the same as those described above in "*Note 1 - General Information.*"

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Segment information is as follows:

In millions	Three Months Ended June 30, 2023	Three Months Ended June 30, 2022	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
NET SALES:				
Paperboard Mills	$ 252	$ 292	$ 568	$ 588
Americas Paperboard Packaging	1,571	1,534	3,115	2,956
Europe Paperboard Packaging	523	493	1,055	979
Corporate/Other/Eliminations[a]	46	39	92	80
Total	$ 2,392	$ 2,358	$ 4,830	$ 4,603
INCOME (LOSS) FROM OPERATIONS:				
Paperboard Mills[b][c]	$ (33)	$ (6)	$ (6)	$ 5
Americas Paperboard Packaging[b][c]	274	207	543	360
Europe Paperboard Packaging[d]	21	(46)	47	(9)
Corporate and Other[c]	5	(3)	13	(11)
Total	$ 267	$ 152	$ 597	$ 345
DEPRECIATION AND AMORTIZATION:				
Paperboard Mills[b]	$ 86	$ 62	$ 147	$ 123
Americas Paperboard Packaging[b]	46	43	89	86
Europe Paperboard Packaging	27	28	54	57
Corporate and Other	6	6	14	12
Total	$ 165	$ 139	$ 304	$ 278

[a] Includes revenue from customers for the Australia and Pacific Rim operating segments.
[b] Includes accelerated depreciation related to exit activities in 2023 and 2022 (see "*Note 13 - Exit Activities*").
[c] Includes expenses related to business combinations, shutdown and other special charges, and exit activities (see "*Note 1 - General Information*").
[d] Includes impairment charges related to Russia (see "*Note 14 - "Impairment and Divestiture of Russian Business*").

NOTE 11 — EARNINGS PER SHARE

In millions, except per share data	Three Months Ended June 30, 2023	Three Months Ended June 30, 2022	Six Months Ended June 30, 2023	Six Months Ended June 30, 2022
Net Income	$ 150	$ 66	$ 357	$ 173
Weighted Average Shares:				
Basic	308.2	309.2	308.4	309.0
Dilutive Effect of RSUs	0.9	0.7	1.0	0.8
Diluted	309.1	309.9	309.4	309.8
Earnings Per Share — Basic	$ 0.49	$ 0.21	$ 1.16	$ 0.56
Earnings Per Share — Diluted	$ 0.49	$ 0.21	$ 1.15	$ 0.56

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NOTE 12 — CHANGES IN ACCUMULATED OTHER COMPREHENSIVE LOSS

The following represents changes in Accumulated Other Comprehensive Loss attributable to Graphic Packaging Holding Company by component for the six months ended June 30, 2023:

In millions, net of tax	Derivative Instruments	Pension and Postretirement Benefit Plans	Currency Translation Adjustments	Total
Balance at December 31, 2022	$ (4)	$ (103)	$ (270)	$ (377)
Other Comprehensive (Loss) Income before Reclassifications	(11)	—	24	13
Amounts Reclassified from Accumulated Other Comprehensive (Loss)[a]	14	1	—	15
Net Current-period Other Comprehensive Income	3	1	24	28
Balance at June 30, 2023	$ (1)	$ (102)	$ (246)	$ (349)

[a] See following table for details about these reclassifications.

The following represents reclassifications out of Accumulated Other Comprehensive Loss for the six months ended June 30, 2023:

In millions

Details about Accumulated Other Comprehensive Loss Components	Amount Reclassified from Accumulated Other Comprehensive Loss	Affected Line Item in the Statement Where Net Income is Presented
Derivatives Instruments:		
Commodity Contracts	$ 20	Cost of Sales
Interest Rate Swap Agreements	(1)	Other Expense, Net
	19	Total before Tax
	(5)	Tax (Benefit)
	$ 14	Total, Net of Tax
Amortization of Defined Benefit Pension Plans:		
Actuarial Losses	$ 3 [a]	
	3	Total before Tax
	(1)	Tax (Benefit)
	$ 2	Total, Net of Tax
Amortization of Postretirement Benefit Plans:		
Actuarial Gains	$ (1) [a]	
	$ (1)	Total, Net of Tax
Total Reclassifications for the Period	$ 15	Total Net of Tax

[a] These accumulated other comprehensive loss components are included in the computation of net periodic pension cost (see "*Note 6 - Pensions and Other Postretirement Benefits*").

NOTE 13 — EXIT ACTIVITIES

2023

On February 7, 2023, the Company announced its plan to invest approximately $1 billion in a new CRB mill in Waco, Texas. In conjunction with this project, the Company announced the closure of three smaller CRB mills in order to strategically expand capacity while lowering costs. The costs associated with these exit activities are included in the table below for the three and six months ended June 30, 2023.

In the second quarter of 2023, the Company announced its decision to accelerate the closure of one of these three CRB mills that is in Tama, Iowa and closed the facility in the second quarter of 2023. The costs associated with this closure are included in the table below for the three and six months ended June 30, 2023.

During the second quarter of 2023, the Company announced the closure of three folding carton plants by the end of 2023. Production from these plants will be consolidated into other carton plants. The costs associated with these exit activities are included in the table below for the three and six months ended June 30, 2023.

2022

In March 2022, the Company announced its decision to close the Norwalk, Ohio packaging facility and closed the facility in September 2022. The Company has incurred charges associated with this exit activity for post-employment benefits, retention bonuses and incentives, which are included in the Severance Costs and Other line item in the table below for the three and six months ended June 30, 2022.

During 2019, the Company announced its plans to invest in a new CRB paper machine in Kalamazoo, Michigan. At the time of the announcement, the Company expected to close two of its smaller CRB Mills in 2022 in order to remain capacity neutral. During the third quarter of 2021, the Company decided to continue to operate one of the two original smaller CRB mills. In the second quarter of 2022, the Company closed the Battle Creek, MI CRB mill. The Company has incurred charges associated with this exit activity for post-employment benefits, retention bonuses and incentives, which are included in the Severance costs and other line item in the table below for the three and six months ended June 30, 2022.

During the six months ended June 30, 2023 and 2022, the Company recorded $49 million and $17 million of exit costs, respectively, associated with these restructurings. The following table summarizes the costs incurred during the three and six months ended June 30, 2023 and 2022 related to these restructurings:

		Three Months Ended June 30,		Six Months Ended June 30,	
In millions	**Location in Statement of Operations**	**2023**	**2022**	**2023**	**2022**
Severance Costs and Other[(a)]	Business Combinations and Shutdown and Other Special Charges, Net	$ 4	$ —	$ 12	$ 1
Asset Write-Offs and Start-Up Costs[(b)]	Business Combinations and Shutdown and Other Special Charges, Net	2	4	5	9
Accelerated Depreciation	Cost of Sales	30	3	32	7
Total		$ 36	$ 7	$ 49	$ 17

[(a)] Costs incurred include activities for post-employment benefits, retention bonuses, incentives and professional services (see "*Note 1 - Business Combinations, Shutdown and Other Special Charges and Exit Activities, net*").
[(b)] Costs incurred include non-cash write-offs for items such as machinery, supplies and inventory.

The following table summarizes the balance of accrued expenses related to restructuring:

In millions	**Total**
Balance at December 31, 2022	$ 1
Costs Incurred	12
Payments	(1)
Adjustments[(a)]	(1)
Balance at June 30, 2023	$ 11

[(a)] Adjustments related to changes in estimates of severance costs.

Due to the closure of Tama in the second quarter of 2023, the Company incurred charges for post-employment benefits, retention bonuses and incentives of $2 million, and accelerated depreciation and inventory and asset write-offs of $27 million through June 30, 2023. No further charges or accelerated depreciation are expected related to Tama.

In addition, due to the expected closures of the additional two CRB mills, the Company incurred charges for post-employment benefits, retention bonuses and incentives of $8 million, and accelerated depreciation and inventory and asset write-offs of $3 million through June 30, 2023. The Company expects to incur total charges associated with these exit activities for post-employment benefits, retention bonuses and incentives in the range of $20 million to $25 million and for accelerated depreciation and inventory and asset write-offs in the range of $15 million to $20 million through 2026.

Due to the expected closures of the folding carton plants, the Company incurred charges for post-employment benefits, retention bonuses and incentives of $2 million, and accelerated depreciation and inventory and asset write-offs of $2 million through June 30, 2023. The Company expects to incur total charges associated with these exit activities for post-employment benefits, retention bonuses and incentives in the range of $5 million to $10 million and for accelerated depreciation and inventory and asset write-offs in the range of $5 million to $10 million through 2023.

Additionally, the Company has incurred start-up charges for the new CRB mill in Waco of $1 million through June 30, 2023. The Company expects to incur total start-up charges of approximately $25 million to $30 million for the new CRB mill through 2026.

NOTE 14 — IMPAIRMENT AND DIVESTITURE OF RUSSIAN BUSINESS

In 2022, the Company began the process of the divesting its interests intwo packaging facilities in Russia, which met the criteria to be considered a business, through a sale of 100% of the Disposal Group's outstanding shares. The Company expects the sale to be completed in 2023. The assets and liabilities to be disposed of in connection with this transaction met the held for sale criteria as of June 30, 2023.

The carrying value of the net assets held for sale, inclusive of the cumulative translation adjustment balance attributable to the business, was greater than their fair value, less costs to sell, resulting in a pre-tax cumulative loss of $91 million (including $3 million of impairment charges incurred in Q2 2023), which is included in the Business, Combinations, Shutdown and Other Special Charges, and Exit Activities, Net in the Condensed Consolidated Statement of Operations in 2022 and 2023. The assets related to the sale, inclusive of the valuation allowance, and liabilities related to the sale were classified as Other Current Assets and Other Accrued Liabilities, respectively, within the Condensed Consolidated Balance Sheet as of June 30, 2023. Excluded from the assets classified as held for sale within the Condensed Consolidated Balance Sheet is an intercompany note receivable totaling $33 million from the Company to the Disposal Group. The intercompany note will be sold as part of the transaction and, thus, should be considered when calculating the carrying value of the Disposal Group and the allowance to adjust the carrying value to the fair value less costs to sell. Upon consummation of the sale of the Disposal Group, the Company will reclassify this note from intercompany to the applicable liability line item in the Condensed Consolidated Balance Sheet as it will represent a liability to an external third party. The cumulative translation adjustment attributable to the business of $2 million is included within Accumulated Other Comprehensive Loss within the Condensed Consolidated Balance Sheet as of June 30, 2023. Goodwill totaling $12 million associated with the Disposal Group was determined to be impaired in 2022.

As the sale of the Disposal Group is not considered a strategic shift that will have a major effect on the Company's operations or financial results, it was not reported as discontinued operations. The Company will continue to evaluate the Disposal Group for future impairments until it is sold. The Disposal Group is reported within the Europe Paperboard Packaging segment.

The following table summarizes the Company's assets and liabilities held for sale by major class:

In millions		June 30, 2023
Cash and Cash Equivalents	$	12
Receivables, Net		14
Inventories, Net		17
Property, Plant and Equipment, Net		24
Intangible Assets, Net		15
Other Assets		1
Assets Held for Sale		83
Valuation Allowance to Adjust Carrying Value of Russian Operations to Fair Value Less Costs to Sell		(91)
Total Assets Held for Sale, Net Included in Other Current Assets	$	(8)
Accounts Payable		4
Other Accrued Liabilities		2
Deferred Income Tax Liabilities		7
Other Noncurrent Liabilities		1
Total Liabilities Held for Sale Included in Other Accrued Liabilities	$	14

NOTE 15 — SUBSEQUENT EVENTS

On July 27, 2023 the board of directors authorized a new $500 million share repurchase program.

On July 28, 2023, the Company's board of directors declared a regular quarterly dividend of $0.10 per share of common stock payable on October 5, 2023 to shareholders of record as of September 15, 2023.

On July 31, 2023, the Company entered into a definitive agreement to acquire Bell Incorporated, an independent folding carton company in North America for $262.5 million, subject to customary working capital true-up adjustments. The acquisition includes three converting facilities located in South Dakota and Ohio. The transaction is expected to close in the fourth quarter of 2023, subject to regulatory approvals and other customary closing conditions, and will be reported within the Americas Paperboard Packaging reportable segment.

ITEM 2. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTSOF OPERATIONS

INTRODUCTION

This management’s discussion and analysis of financial conditions and results of operations is intended to provide investors with an understanding of the Company's past performance, financial condition and prospects. The following will be discussed and analyzed:

Ø Overview of Business

Ø Overview of Second Quarter 2023 Results

Ø Results of Operations

Ø Financial Condition, Liquidity and Capital Resources

Ø Critical Accounting Policies

Ø New Accounting Standards

Ø Business Outlook

OVERVIEW OF BUSINESS

The Company’s objective is to strengthen its position as a leading provider of recyclable, fiber-based consumer packaging solutions. To achieve this objective, the Company offers customers its cartons, foodservice containers, cups, lids, paperboard and packaging machines, either as an integrated solution or separately. Cartons, carriers and containers are designed to protect and hold products. Product offerings include a variety of laminated, coated and printed packaging structures that are produced from the Company’s coated recycled paperboard ("CRB"), coated unbleached kraft paperboard ("CUK") and solid bleached sulfate paperboard ("SBS"). Innovative designs and combinations of paperboard, films, foils, metallization, holographic and embossing are customized to the individual needs of the customers.

The Company is implementing strategies (i) to expand market share in its current markets and to identify and penetrate new markets; (ii) to capitalize on the Company’s customer relationships, business competencies, and integrated mills and packaging assets; (iii) to develop and market innovative, packaging products and applications that benefit from consumer-led sustainability trends; and (iv) to continue to reduce costs by focusing on operational improvements. The Company’s ability to fully implement its strategies and achieve its objectives may be influenced by a variety of factors, many of which are beyond its control, such as inflation of raw material and other costs, which the Company cannot always pass through to its customers, and the effect of overcapacity in the worldwide paperboard packaging industry.

Significant Factors That Impact the Company’s Business and Results of Operations

Impact of Inflation/Deflation. The Company’s cost of sales consists primarily of energy (including natural gas, fuel oil and electricity), pine and hardwood fiber, chemicals, secondary fibers, purchased paperboard, aluminum foil, ink, plastic films and resins, factoring, depreciation expense and labor. Costs increased for the six months ended June 30, 2023 by $138 million, compared to the first six months of 2022 due to higher commodity inflation costs ($50 million), labor and benefits ($52 million) and other costs, net ($36 million). Commodity inflation was primarily due to external board ($49 million), mill chemicals ($38 million), factoring ($22 million), converting chemicals ($6 million), and other costs ($12 million) offset by secondary fiber ($42 million), freight ($18 million), wood ($9 million), and energy ($8 million). Because the price of natural gas experiences significant volatility, the Company has entered into contracts designed to manage risks associated with future variability in cash flows caused by changes in the price of natural gas. The Company has entered into natural gas swap contracts to hedge prices for a portion of its expected usage for 2023 and 2024. Since negotiated sales contracts and the market largely determine the pricing for its products, the Company is at times limited in its ability to raise prices and pass through to its customers any inflationary or other cost increases that the Company may incur.

The Company’s operations and financial results could be adversely impacted by global events outside of the Company’s control. The Company’s operations and financial results could be adversely impacted by global events outside of the Company’s control, such as the conflict between Russia and Ukraine. As a result of such global events, there could be unpredictable disruptions to the Company’s operations that could limit production, reduce its future revenues and negatively impact the Company’s financial condition. Global events may result in supply chain and transportation disruptions to and from our facilities and affected employees could impact the Company’s ability to operate its facilities and distribute products to its customers in a timely fashion. In addition, these global events may result in extreme volatility and disruptions in the capital and credit markets as well as widespread furloughs and layoffs for workers in the broader economy. During 2022, the Company began the process of selling its interests in its two packaging facilities in Russia, which it expects to be completed in 2023. The Company is adhering to all U.S., U.K., and EU sanctions. For the six months ended June 30, 2023, the Company's Russian Operations provided approximately 1% of the Company’s Net Sales and less than 1% of the Company's EBITDA. Refer to "*Note 14 - Impairment and Divestiture of Russian Business*" in the Notes to Condensed Consolidated Financial Statements for additional information and Part I, "Item 1A., Risk Factors" of the Company's 2022 Annual Report on Form 10-K, and in other filings with the Securities and Exchange Commission.

Commitment to Cost Reduction. The Company has programs in place that are designed to reduce costs, improve productivity and increase profitability. The Company utilizes a global continuous improvement initiative that uses statistical process control to help design and manage many types of activities, including production and maintenance. This includes a Six Sigma process focused on reducing variable and fixed manufacturing and administrative costs and the use of Lean Sigma principles in manufacturing and supply chain processes.

The Company's ability to continue to successfully implement its business strategies and to realize anticipated savings and operating efficiencies is subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond the Company's control. If the Company cannot successfully implement the strategic cost reductions or other cost savings plans, it may not be able to continue to compete successfully against other manufacturers. In addition, any failure to generate the anticipated efficiencies and savings could adversely affect the Company's financial results.

Competition and Market Factors. As some products can be packaged in different types of materials, the Company's sales are affected by competition from other manufacturers' CRB, CUK, SBS, folding box board, and recycled clay-coated news. Additional substitute products also include plastic, shrink film and corrugated containers. In addition, while the Company has long-term relationships with many of its customers, the underlying contracts may be re-bid or renegotiated from time to time, and the Company may not be successful in renewing on favorable terms or at all. The Company works to maintain market share through efficiency, product innovation, service and strategic sourcing to its customers; however, pricing and other competitive pressures may occasionally result in the loss of a customer relationship.

In addition, the Company's sales are driven by consumer buying habits in the markets its customers serve. Since 2019, the Company has reported net organic sales growth supported by its introduction of new packaging products to meet the consumers' desire for recyclable, fiber-based packaging solutions. Changes in consumer dietary habits and preferences, increases in the costs of living, unemployment rates, access to credit markets, as well as other macroeconomic factors, may negatively affect consumer spending behavior. New product introductions and promotional activity by the Company's customers can also impact its sales.

Debt Obligations. The Company had an aggregate principal amount of $5,535 million of outstanding debt obligations as of June 30, 2023. This debt has consequences for the Company, as it requires a portion of cash flow from operations to be used for the payment of principal and interest, exposes the Company to the risk of increased interest rates and may restrict the Company's ability to obtain additional financing. The Covenants in the Company's Fourth Amended and Restated Credit Agreement (as amended, the "Current Credit Agreement") and the indentures governing the 0.821% Senior Notes due 2024, 4.125% Senior Notes due 2024, 1.512% Senior Notes due 2026, 4.75% Senior Notes due 2027, 3.50% Senior Notes due 2028, 3.50% Senior Notes due 2029, 2.625% Senior Notes due 2029 and 3.75% Senior Notes due 2030 (the "Indentures") may, among other things, restrict the ability of the Company to dispose of assets, incur guarantee obligations, prepay other indebtedness, repurchase stock, pay dividends, make other restricted payments and make acquisitions or other investments. The Current Credit Agreement also requires compliance with a maximum consolidated leverage ratio and a minimum consolidated interest coverage ratio. The Company's ability to comply in future periods with the financial covenants will depend on its ongoing financial and operating performance, which in turn will be subject to many other factors, many of which are beyond the Company's control. See "Covenant Restrictions" in "Financial Condition, Liquidity and Capital Resources" for additional information regarding the Company's debt obligations.

The debt and the restrictions under the Current Credit Agreement and the Indentures could limit the Company's flexibility to respond to changing market conditions and competitive pressures. The outstanding debt obligations and the restrictions may also leave the Company more vulnerable to a downturn in general economic conditions or its business, or unable to carry out capital expenditures that are necessary or important to its growth strategy and productivity improvement programs.

OVERVIEW OF SECOND QUARTER 2023 RESULTS

This management's discussion and analysis contains an analysis of Net Sales, Income from Operations and other information relevant to an understanding of the Company's results of operations on a Consolidated basis:

- Net Sales for the three months ended June 30, 2023 increased $34 million or 1% to $2,392 million from $2,358 million for the three months ended June 30, 2022 due to higher pricing and new product introductions, partially offset by lower organic sales and lower volume of open market sales.

- Income from Operations for the three months ended June 30, 2023 increased $115 million or 76% to $267 million from $152 million for the three months ended June 30, 2022 due to higher pricing, cost savings from continuous improvement and other programs, new product introductions and favorable commodity deflation partially offset by unfavorable other inflation (primarily labor and benefits), higher level of maintenance downtime, unfavorable foreign exchange, lower open market volume, lower organic sales, accelerated depreciation related to the closure of three smaller CRB mills, charges related to the closures of folding carton plants and additional impairment charges related to the Company's commitment to sell its Russian operations.

Acquisitions and Dispositions

- In January 2023, the Company completed the acquisition of Tama Paperboard, LLC ("Tama"), a CRB mill located in Tama, Iowa, from Greif Packaging LLC for approximately $100 million. It is reported within the Paperboard Mills reportable segment. Subsequently, in the second quarter of 2023, the Company closed this facility.

- During the second quarter of 2023, the Company announced the closure of three folding carton plants by the end of 2023. Production from these plants will be consolidated into other carton plants.

- In March 2022, the Company announced its decision to close the Norwalk, Ohio packaging facility and closed the facility in September 2022.

- In May 2022, the Company committed to sell its two packaging facilities in Russia and classified the facilities as held for sale resulting in cumulative impairment charges of $103 million in 2022 and 2023, including $12 million of goodwill impairment.

- In May 2022, the Company closed the Battle Creek, MI CRB mill.

Share Repurchases and Dividends

- On May 24, 2023, the Company's board of directors declared a regular quarterly dividend of $0.10 per share of common stock payable on July 5, 2023 to shareholders of record as of June 15, 2023.

- On January 28, 2019, the Company's board of directors authorized a share repurchase program to allow the Company to purchase up to $500 million of the Company's issued and outstanding shares of common stock through open market purchases, privately negotiated transactions and Rule 10b5-1 plans (the "2019 share repurchase program"). During the first six months of 2023, the Company repurchased 1.2 million shares of its common stock at an average price of $24.07 under the 2019 share repurchase program. During the first six months of 2022, the Company repurchased 379,000 shares of its common stock at an average price of $20.46 under the 2019 share repurchase program. As of June 30, 2023, the Company had $90 million available for additional repurchases under the 2019 share repurchase program.

- On July 27, 2023 the board of directors authorized a new $500 million share repurchase program.

RESULTS OF OPERATIONS

	Three Months Ended June 30,		Six Months Ended June 30,	
In millions	2023	2022	2023	2022
Net Sales	$ 2,392	$ 2,358	$ 4,830	$ 4,603
Income from Operations	267	152	597	345
Nonoperating Pension and Postretirement Benefit Income (Expense)	—	1	(1)	3
Interest Expense, Net	(60)	(48)	(118)	(90)
Income before Income Taxes	207	105	478	258
Income Tax Expense	(57)	(39)	(121)	(85)
Net Income	$ 150	$ 66	$ 357	$ 173

SECOND QUARTER 2023 COMPARED WITH SECOND QUARTER 2022

Net Sales

The components of the change in Net Sales are as follows:

	Three Months Ended June 30,						
		Variances					
In millions	2022	Price	Volume/Mix	Exchange	2023	Increase	Percent Change
Consolidated	$ 2,358	$ 188	$ (154)	$ —	$ 2,392	$ 34	1 %

The Company’s Net Sales for the three months ended June 30, 2023 increased by $34 million or 1% to $2,392 million from $2,358 million for the three months ended June 30, 2022 due to higher pricing and new product introductions partially offset by lower organic sales and lower volumes of open market sales. Core packaging volumes were lower in beverage, cereal, frozen foods, dry foods, confectionary, and convenience offset by higher packaging volumes in foodservice, tissue, healthcare and beauty.

Income from Operations

The components of the change in Income from Operations are as follows:

	Three Months Ended June 30,								
		Variances							
In millions	2022	Price	Volume/Mix	Inflation	Exchange	Other [a]	2023	Increase	Percent Change
Consolidated	$ 152	$ 188	$ (70)	$ (44)	$ (4)	$ 45	$ 267	$ 115	76 %

[a] Includes the Company's cost reduction initiatives, planned mill maintenance costs, expenses related to acquisitions and integration activities, exit activities and shutdown and other special charges.

Income from Operations for the three months ended June 30, 2023 increased $115 million or 76% to $267 million from $152 million for the three months ended June 30, 2022 due to higher pricing, cost savings from continuous improvement and other programs, new product introductions and favorable commodity deflation partially offset by unfavorable other inflation (primarily labor and benefits), higher level of maintenance downtime, unfavorable foreign exchange, lower open market volume, lower organic sales, accelerated depreciation related to the closure of three smaller CRB mills, charges related to the closure of folding carton plants (refer to "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for additional information) and additional impairment charges related to the Company's commitment to sell its Russian operations.

Inflation increased for the three months ended June 30, 2023 by $44 million, compared to the first three months of 2022 due to increased labor and benefits ($31 million) and other costs, net ($17 million), offset by commodity deflation costs ($4 million). Commodity deflation was primarily due to secondary fiber ($21 million), energy ($20 million) freight ($8 million), and wood ($5 million), offset by external board ($18 million), mill chemicals ($13 million), factoring ($11 million), converting chemicals ($1 million) and other costs ($7 million).

Interest Expense, Net

Interest Expense, Net was $60 million and $48 million for the three months ended June 30, 2023 and 2022, respectively. Interest Expense, Net increased due to higher interest rates, partially offset by lower debt balances. As of June 30, 2023, approximately 22% of the Company's total debt was subject to floating interest rates.

Income Tax Expense

During the three months ended June 30, 2023, the Company recognized Income Tax Expense of $57 million on Income before Income Taxes of $207 million. The effective tax rate for the three months ended June 30, 2023 is different from the statutory rate primarily due to the tax impact of the charges associated with the planned divestiture of the Company's operations in Russia that results in no corresponding tax benefit and the mix of earnings between foreign and domestic jurisdictions, including those with and without valuation allowances.

During the three months ended June 30, 2022, the Company recognized Income Tax Expense of $39 million on Income before Income Taxes of $105 million. The effective tax rate for the three months ended June 30, 2022 was different from the statutory rate primarily due to the impairment charge on the Company's Russia business that results in no corresponding tax benefit. In addition, the recognition of deferred tax assets and liabilities on unrealized FX activity related to intercompany loans where the entity functional currency and the loan denomination is different than the tax reporting currency, resulted in a decrease in the effective tax rate for the period.

The Company utilized its remaining U.S. federal net operating loss carryforwards during 2020. However, as a result of deductions associated with the step-up in tax basis of certain assets as a result of International Paper Company's, a New York corporation ("IP"), exit from the GPIL partnership, the Company generated a taxable loss of $564 million during 2021 that can be carried forward for U.S. federal income tax purposes indefinitely. As of December 31, 2022, the Company's remaining U.S. federal net operating loss carryforward was approximately $248 million. As such, based on the remaining net operating loss carryforward and tax credit carryforwards, which are available to offset future U.S. federal income tax, the Company expects its U.S. federal cash tax liability in 2023 to be reduced by approximately $100 million.

FIRST SIX MONTHS OF 2023 COMPARED WITH FIRST SIX MONTHS OF 2022

Net Sales

The components of the change in Net Sales are as follows:

	Six Months Ended June 30,						
		Variances					
In millions	2022	Price	Volume/Mix	Exchange	2023	Increase	Percent Change
Consolidated	$ 4,603	$ 424	$ (159)	$ (38)	$ 4,830	$ 227	5 %

The Company’s Net Sales for the six months ended June 30, 2023 increased by $227 million or 5% to $4,830 million from $4,603 million for the six months ended June 30, 2022 due to higher pricing and new product introductions partially offset by lower volumes of open market sales, lower organic sales and unfavorable foreign exchange, primarily the Euro, British Pound, Canadian dollar, Australian Dollar and Japanese Yen. Core packaging volumes were lower in beverage, cereal, frozen foods, dry foods, dairy, and convenience offset by higher packaging volumes in frozen pizza, foodservice, tissue, healthcare and beauty.

Income from Operations

The components of the change in Income from Operations are as follows:

	Six Months Ended June 30,								
		Variances							
In millions	2022	Price	Volume/Mix	Inflation	Exchange	Other [(a)]	2023	Increase	Percent Change
Consolidated	$ 345	$ 424	$ (71)	$ (138)	$ (18)	$ 55	$ 597	$ 252	73 %

[(a)] Includes the Company's cost reduction initiatives, planned mill maintenance costs, expenses related to acquisitions and integration activities, exit activities and shutdown and other special charges.

Income from Operations for the six months ended June 30, 2023 increased $252 million or 73% to $597 million from $345 million for the six months ended June 30, 2022 due to higher pricing, cost savings from continuous improvement and other programs and new product introductions partially offset by unfavorable commodity inflation and other inflation (primarily labor and benefits), higher level of maintenance downtime, unfavorable foreign exchange, lower open market volume, lower organic sales, accelerated depreciation related to the closure of three smaller CRB mills, charges related to the closures of folding carton plants (refer to "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for additional information) and additional impairment charges related to the Company's commitment to sell its Russian operations.

Inflation increased for the six months ended June 30, 2023 by $138 million, compared to the first six months of 2022 due to higher commodity inflation costs ($50 million), labor and benefits ($52 million) and other costs, net ($36 million). Commodity inflation was primarily due to external board ($49 million), mill chemicals ($38 million), factoring ($22 million), converting chemicals ($6 million), and other costs ($12 million) offset by secondary fiber ($42 million), freight ($18 million), wood ($9 million), and energy ($8 million).

Interest Expense, Net

Interest Expense, Net was $118 million and $90 million for the six months ended June 30, 2023 and 2022, respectively. Interest Expense, Net increased due to higher interest rates, partially offset by lower debt balances.

Income Tax Expense

During the six months ended June 30, 2023, the Company recognized Income Tax Expense of $121 million on Income before Income Taxes of $478 million. The effective tax rate for the six months ended June 30, 2023 is different from the statutory rate primarily due to the tax impact of the charges associated with the planned divestiture of the Company’s operations in Russia that result in no corresponding tax benefit, a tax benefit of $2 million related to excess tax benefits on restricted stock that vested during the period, an increase in the Company’s valuation allowance against a portion of its net deferred tax assets in Sweden and the mix of earnings between foreign and domestic jurisdictions, including those with and without valuation allowances.

During the six months ended June 30, 2022, the Company recognized Income Tax Expense of $85 million on Income before Income Taxes of $258 million. The effective tax rate for the six months ended June 30, 2022 is different than the statutory rate primarily due to the impairment charges associated with the Company’s Russia business that results in no corresponding tax benefit as well as discrete tax adjustments, including tax expense of $10 million, recorded to release the lingering tax expense remaining in Other Comprehensive Income after the settlement of certain swaps and a tax benefit of $2 million related to excess tax benefits on restricted stock that vested during the period. In addition, the recognition of deferred tax assets and liabilities on unrealized foreign currency activity related to intercompany loans where the entity functional currency and the loan denomination currency are different than the tax reporting currency resulted in a decrease in the effective tax rate for the period.

Segment Reporting

The Company has three reportable segments as follows:

Paperboard Mills includes the seven North American paperboard mills that produce primarily CRB, CUK, and SBS, which is consumed internally to produce paperboard packaging for the Americas and Europe Packaging segments. Paperboard not consumed internally is sold externally to a wide variety of paperboard packaging converters and brokers. The Paperboard Mills segment Net Sales represent the sale of paperboard only to external customers. The effect of intercompany transfers to the paperboard packaging segments has been eliminated from the Paperboard Mills segment to reflect the economics of the integration of these segments.

Americas Paperboard Packaging includes paperboard packaging, primarily folding cartons, sold primarily to consumer packaged goods ("CPG") companies, and cups, lids and food containers sold primarily to foodservice companies and quick-service restaurants ("QSR") serving the food, beverage, and consumer product markets in the Americas.

Europe Paperboard Packaging includes paperboard packaging, primarily folding cartons, sold primarily to CPG companies serving the food, beverage and consumer product markets, including healthcare and beauty products, primarily in Europe.

The Company allocates certain mill and corporate costs to the reportable segments to appropriately represent the economics of these segments. The Corporate and Other caption includes the Pacific Rim and Australia operating segments and unallocated corporate and one-time costs.

These segments are evaluated by the chief operating decision maker based primarily on Income from Operations, as adjusted for depreciation and amortization. The accounting policies of the reportable segments are the same as those described above in "*Note 1 - General Information"* in the Notes to Condensed Consolidated Financial Statements.

	Three Months Ended June 30,		Six Months Ended June 30,	
In millions	2023	2022	2023	2022
NET SALES:				
Paperboard Mills	$ 252	$ 292	$ 568	$ 588
Americas Paperboard Packaging	1,571	1,534	3,115	2,956
Europe Paperboard Packaging	523	493	1,055	979
Corporate/Other/Eliminations(a)	46	39	92	80
Total	$ 2,392	$ 2,358	$ 4,830	$ 4,603
(LOSS) INCOME FROM OPERATIONS:				
Paperboard Mills(b)(c)	$ (33)	$ (6)	$ (6)	$ 5
Americas Paperboard Packaging(b)(c)	274	207	543	360
Europe Paperboard Packaging(d)	21	(46)	47	(9)
Corporate and Other(c)	5	(3)	13	(11)
Total	$ 267	$ 152	$ 597	$ 345

(a) Includes revenue from customers for the Australia and Pacific Rim operating segments.
(b) Includes accelerated depreciation related to exit activities in 2023 and 2022. See "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for further information.
(c) Includes expenses related to business combinations, shutdown and other special charges, and exit activities. See "*Note 1 - General Information*" in the Notes to Condensed Consolidated Financial Statements for further information.
(d) Includes impairment charges related to Russia. See "*Note 14 - Impairment and Divestiture of Russian Business*" in the Notes to Condensed Consolidated Financial Statements for further information.

2023 COMPARED WITH 2022

Second Quarter 2023 Compared to Second Quarter 2022

Paperboard Mills

Net Sales decreased due to lower open market volume partially offset by higher pricing.

Income from Operations decreased due to lower open market volume, higher levels of maintenance downtime, unfavorable foreign currency exchange and accelerated depreciation related to the closure of three smaller CRB mills (refer to "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for additional information). The decrease is partially offset by higher pricing, favorable commodity deflation and productivity improvements, including benefits from capital projects.

Americas Paperboard Packaging

Net Sales increased due to higher pricing and new product introductions driven by conversions to our fiber-based packaging solutions, partially offset by lower organic sales. Lower packaging volumes in beverage, cereal, frozen foods and dry foods were partially offset by higher packaging volumes in foodservice and tissue. In beverage, packaging volumes decreased in big beer, craft beer, specialty beverages and soft drinks.

Income from Operations increased due to higher pricing, cost savings from continuous improvement and other programs, and commodity deflation partially offset by other inflation (primarily labor and benefits), higher levels of maintenance downtime and charges related to the closure of folding carton plants (refer to "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for additional information). The commodity deflation was primarily due to secondary fiber, energy and freight offset by external board, chemicals, and factoring.

Europe Paperboard Packaging

Net Sales increased due to higher pricing, mix and new product introductions driven by conversions to our fiber-based packaging solutions, and favorable foreign currency exchange partially offset by lower organic sales in beverage, convenience and food.

Income from Operations increased due to higher pricing and cost savings from continuous improvement and other programs partially offset by commodity inflation primarily related to external board and energy, other inflation (primarily labor and benefits), lower organic sales, and unfavorable foreign currency exchange. Income from Operations also increased due to a reduction in impairment charges in the second quarter of 2023 compared to 2022 related to the Company's planned divestiture of its Russian operations. Refer to "*Note 14 - Impairment and Divestiture of Russian Business*" in the Notes to Condensed Consolidated Financial Statements for additional information.

First Six Months of 2023 Compared to First Six Months of 2022

Paperboard Mills

Net Sales decreased due to lower open market volume partially offset by higher pricing.

Income from Operations decreased due to lower open market volume, higher levels of maintenance downtime, unfavorable commodity inflation and accelerated depreciation related to the closure of the three CRB mills (refer to "*Note 13 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements for additional information). The decrease is partially offset by higher pricing and productivity improvements, including benefits from capital projects.

Americas Paperboard Packaging

Net Sales increased due to higher pricing and new product introductions driven by conversions to our fiber-based packaging solutions, partially offset by lower organic sales. Lower packaging volumes in beverage, cereal, frozen foods, dry foods and dairy were partially offset by higher packaging volumes in frozen pizza, foodservice and tissue. In beverage, packaging volumes decreased in big beer, craft beer, specialty beverages and soft drinks.

Income from Operations increased due to higher pricing and cost savings from continuous improvement and other programs, partially offset by commodity inflation and other inflation (primarily labor and benefits) and higher levels of maintenance downtime. The commodity inflation was primarily due to higher prices for external board, chemicals, and factoring partially offset by secondary fiber, freight and energy.

Europe Paperboard Packaging

Net Sales increased due to higher pricing, mix, higher organic sales driven by conversions to our fiber-based packaging solutions and new product introductions partially offset by lower core packaging volumes in beverage, convenience and food and unfavorable foreign currency exchange.

Income from Operations increased due to higher pricing and higher organic sales partially offset by commodity inflation primarily related to external board and energy, other inflation (primarily labor and benefits), unfavorable foreign currency exchange and lower core packaging volumes in certain market segments. Income from Operations also increased due to a reduction in impairment charges in the first six months of 2023 compared to 2022 related to the Company's planned divestiture of its Russian operations. Refer to *"Note 14 - Impairment and Divestiture of Russian Business"* in the Notes to Condensed Consolidated Financial Statements for additional information.

FINANCIAL CONDITION, LIQUIDITY AND CAPITAL RESOURCES

The Company broadly defines liquidity as its ability to generate sufficient funds from both internal and external sources to meet its obligations and commitments. In addition, liquidity includes the ability to obtain appropriate debt and equity financing and to convert into cash those assets that are no longer required to meet existing strategic and financial objectives. Therefore, liquidity cannot be considered separately from capital resources that consist of current or potentially available funds for use in achieving long-range business objectives and meeting debt service commitments.

Cash Flows

	Six Months Ended June 30,	
In millions	2023	2022
Net Cash Provided by Operating Activities	$ 291	$ 288
Net Cash Used in Investing Activities	(437)	(311)
Net Cash Provided by (Used In) Financing Activities	131	(30)

Net cash provided by operating activities for the first six months of 2023 totaled $291 million compared to $288 million for the same period in 2022. The unfavorable decrease was mainly due to increases in working capital. Pension contributions for the first six months of 2023 and 2022 were $4 million and $8 million, respectively. In the first quarter of 2022, the Company made a $6 million contribution to its remaining U.S. defined benefit plan by effectively utilizing the excess balance related to its U.S. defined benefit plan terminated in 2020.

Net cash used in investing activities for the first six months of 2023 totaled $437 million compared to $311 million for the same period in 2022. The Company completed the acquisition of Tama, a CRB mill located in Tama, Iowa on January 31, 2023, from Greif Packaging LLC for approximately $100 million. For further discussion of the Company's newly acquired CRB mill, see "*Note 3 - Business Combinations"* in the Notes to the Condensed Consolidated Financial Statements. Capital spending was $385 million and $361 million in 2023 and 2022, respectively. For more information on the construction of the new CRB mill in Waco, Texas, refer to the Capital Investment section below. Net cash receipts related to the accounts receivable securitization and sale programs were $51 million and $52 million in 2023 and 2022, respectively.

Net cash provided by financing activities for the first six months of 2023 totaled $131 million compared to net cash used in financing activities of $30 million for the same period in 2022. Current year financing activities include borrowings under revolving credit facilities primarily for capital spending, repurchase of common stock of $29 million and payments on debt of $10 million. The Company also paid dividends of $61 million and withheld $20 million of restricted stock units to satisfy tax withholding obligations related to the payout of restricted stock units. In the prior year the Company also made borrowings under revolving credit facilities primarily for capital spending and interest and payments on debt of $7 million. The Company also paid dividends and distributions of $46 million and withheld $17 million of restricted stock units to satisfy tax withholding payments related to the payout of restricted stock units.

Supplemental Guarantor Financial Information

As discussed in "*Note 4 - Debt*" in the Notes to Condensed Consolidated Financial Statements, the Senior Notes issued by GPIL (the "Issuer") are guaranteed by certain domestic subsidiaries (the "Subsidiary Guarantors"), which consist of all material 100% owned subsidiaries of GPIL other than its foreign subsidiaries, and in certain instances by the Company (a Parent guarantee) (collectively "the Guarantors"). GPIL's remaining subsidiaries (the "Nonguarantor Subsidiaries") include all of GPIL's foreign subsidiaries and immaterial domestic subsidiaries. The Subsidiary Guarantors are jointly and severally, fully and unconditionally liable under the guarantees.

Other than tax related items, the results of operations, assets, and liabilities for GPHC and GPIL are substantially the same. Therefore, the summarized financial information below is presented on a combined basis, consisting of the Issuer and Subsidiary Guarantors (collectively, the "Obligor Group"), and is presented after the elimination of: (i) intercompany transactions and balances among the Issuer and Subsidiary Guarantors, and (ii) equity in earnings from and investments in the Nonguarantor Subsidiaries.

In millions	Six Months Ended June 30, 2023
SUMMARIZED STATEMENTS OF OPERATIONS	
Net Sales[a]	$ 3,654
Cost of Sales	2,803
Income from Operations	549
Net Income	334

[a] Includes Net Sales to Nonguarantor Subsidiaries of $263 million.

In millions	June 30, 2023	December 31, 2022
SUMMARIZED BALANCE SHEET		
Current assets (excluding intercompany receivable from Nonguarantor)	$ 1,605	$ 1,386
Noncurrent assets	6,032	5,852
Intercompany receivables from Nonguarantor	1,362	1,399
Current liabilities	1,640	1,355
Noncurrent liabilities	5,739	5,360

Liquidity and Capital Resources

The Company expects its material cash requirements for the next six months will be for capital expenditures, periodic required estimated income tax payments, periodic interest and debt service payments on associated debt, as discussed in *"Note 5 - Debt"* of the Notes to the Consolidated Financial Statements of the Company's 2022 Annual Report on Form 10-K, lease agreements which have fixed lease payment obligations, as discussed in *"Note 6 - Leases"* of the Notes to the Consolidated Financial Statements of the Company's 2022 Annual Report on Form 10-K, and minimum purchase commitments as discussed in *"Note 13 - Commitments"* of the Notes to the Consolidated Financial Statements of the Company's 2022 Annual Report on Form 10-K along with ongoing operating costs, working capital, share repurchases and dividend payments. The Company expects its primary sources of liquidity to be cash flows from sales and operating activities in the normal course of operations and availability from its revolving credit facilities, as needed. The Company expects that these sources will be sufficient to fund our ongoing cash requirements for the foreseeable future, including at least the next twelve months.

Principal and interest payments under the term loan facilities and the revolving credit facilities, together with principal and interest payments on the Company's 0.821% Senior Notes due 2024, 4.125% Senior Notes due 2024, 1.512% Senior Notes due 2026, 4.75% Senior Notes due 2027, 3.50% Senior Notes due 2028, 3.50% Senior Notes due 2029, 2.625% Senior Notes due 2029 and 3.75% Senior Notes due 2030 (the "Indentures"), represent liquidity requirements for the Company. Based upon current levels of operations, anticipated cost savings and expectations as to future growth, the Company believes that cash generated from operations, together with amounts available under its revolving credit facilities and other available financing sources, will be adequate to permit the Company to meet its debt service obligations, necessary capital expenditure program requirements and ongoing operating costs and working capital needs, although no assurance can be given in this regard. The Company's future financial and operating performance, ability to service or refinance its debt and ability to comply with the covenants and restrictions contained in its debt agreements (see "Covenant Restrictions" below) will be subject to future economic conditions, including conditions in the credit markets, and to financial, business and other factors, many of which are beyond the Company's control, and will be substantially dependent on the selling prices and demand for the Company's products, raw material and energy costs, and the Company's ability to successfully implement its overall business and profitability strategies.

Accounts receivable are stated at the amount owed by the customer, net of an allowance for estimated uncollectible accounts, returns and allowances, and cash discounts. The allowance for doubtful accounts is estimated based on historical experience, current economic conditions and the creditworthiness of customers. Receivables are charged to the allowance when determined to be no longer collectible.

The Company has entered into agreements to sell, on a revolving basis, certain trade accounts receivable to third party financial institutions. Transfers under these agreements meet the requirements to be accounted for as sales in accordance with the *Transfers and Servicing* topic of the Financial Accounting Standards Board ("FASB") Accounting Standards Codification (the "Codification"). The loss on sale is not material and is included in Other Expense, Net on the Condensed Consolidated Statements of Operations. The following table summarizes the activity under these programs for the six months ended June 30, 2023 and 2022, respectively:

	Six Months Ended June 30,	
In millions	**2023**	**2022**
Receivables Sold and Derecognized	$ 1,897	$ 1,520
Proceeds Collected on Behalf of Financial Institutions	1,809	1,429
Net Proceeds Received From Financial Institutions	41	102
Deferred Purchase Price at June 30[a]	15	8
Pledged Receivables at June 30	211	203

[a] Included in Other Current Assets on the Condensed Consolidated Balance Sheets and represents a beneficial interest in the receivables sold to the financial institutions, which is a Level 3 fair value measure.

Receivables sold under all programs subject to continuing involvement, which consists principally of collection services, were $808 million and $753 million as of June 30, 2023 and December 31, 2022, respectively.

The Company also participates in supply chain financing arrangements offered by certain customers that qualify for sale accounting in accordance with the *Transfers and Servicing* topic of the FASB Codification. For the six months ended June 30, 2023 and 2022, the Company sold receivables of $591 million and $535 million, respectively, under these arrangements.

The Company has arranged a supplier finance program ("SFP") with a financial intermediary, which provides certain suppliers the option to be paid by the financial intermediary earlier than the due date on the applicable invoice. The transactions are at the sole discretion of both the suppliers and financial institution, and GPHC is not a party to the agreements and has no economic interest in the supplier's decision to sell a receivable. The range of payment terms negotiated by the Company with its suppliers is consistent, irrespective of whether a supplier participates in the program. The agreement with the financial intermediary does not require the Company to provide assets pledged as security or other forms of guarantees for the supplier finance program. Amounts due to the Company's suppliers that elected to participate in the SFP program are included in Accounts Payable on the Company's Condensed Consolidated Balance Sheets and payments made under the SFP program are reflected in Cash Flows from Operating Activities in the Company's Condensed Consolidated Statements of Cash Flows. Accounts payable included $33 million and $34 million payable to suppliers who elected to participate in the SFP program as of June 30, 2023 and December 31, 2022, respectively.

Covenant Restrictions

Covenants contained in the Current Credit Agreement and the Indentures may, among other things, limit the ability to incur additional indebtedness, restrict the ability of the Company to dispose of assets, incur guarantee obligations, prepay other indebtedness, repurchase shares, pay dividends and make other restricted payments, create liens, make equity or debt investments, make acquisitions, modify terms of the indentures under which the Notes are issued, engage in mergers or consolidations, change the business conducted by the Company and its subsidiaries, and engage in certain transactions with affiliates. Such restrictions, together with disruptions in the credit markets, could limit the Company's ability to respond to changing market conditions, fund its capital spending program, provide for unexpected capital investments or take advantage of business opportunities.

Under the terms of the Current Credit Agreement, the Company must comply with a maximum Consolidated Total Leverage Ratio covenant and a minimum Consolidated Interest Expense Ratio covenant. The Current Credit Agreement, which contains the definitions of these covenants, was filed as an exhibit to the Company's Form 8-K filed on April 1, 2021.

The Current Credit Agreement requires that the Company maintain a maximum Consolidated Total Leverage Ratio of less than 4.25 to 1.00. At June 30, 2023, the Company was in compliance with such covenant and the ratio was 2.84 to 1.00.

The Company must also comply with a minimum Consolidated Interest Expense Ratio of 3.00 to 1.00. At June 30, 2023, the Company was in compliance with such covenant and the ratio was 8.04 to 1.00.

As of June 30, 2023, the Company's credit was rated BB+ by Standard & Poor's and Ba1 by Moody's Investor Services. Standard & Poor's and Moody's Investor Services' ratings on the Company included a stable outlook.

Capital Investment

The Company's capital investments in the first six months of 2023 were $394 million ($385 million was paid) compared to $241 million ($361 million was paid) in the first six months of 2022. The capital investments incurred during the first six months of 2023 were for plant, machinery, and equipment. The increase is primarily driven by the ongoing construction of the Company's new CRB mill in Waco, Texas. For further discussion of the Company's new CRB mill and continued investments made as part of the integration of acquisitions, see "*Note 13 - Exit Activities"* in the Notes to the Condensed Consolidated Financial Statements. For the first six months of 2022, capital investments were primarily due to planned asset upgrades at the U.S.-based mills, including the now completed CRB paper machine in Kalamazoo, Michigan.

Interest is capitalized on assets under construction for one year or longer with an estimated spending of $1 million or more. The capitalized interest is recorded as part of the asset to which it relates and is amortized over the asset's estimated useful life. During the first six months ended June 30, 2023, the Company incurred $1 million in costs as it relates to capitalized interest. For the six months ended June 30, 2022, $4 million in capitalized interest costs were incurred.

Environmental Matters

Some of the Company's current and former facilities are the subject of environmental investigations and remediations resulting from historical operations and the release of hazardous substances or other constituents. Some current and former facilities have a history of industrial usage for which investigation and remediation obligations may be imposed in the future or for which indemnification claims may be asserted against the Company. Also, closures or sales of facilities may necessitate further investigation and may result in remediation at those facilities. The Company has established reserves for those facilities or issues where a liability is probable and the costs are reasonably estimable. The Company believes that the amounts accrued for its loss contingencies, and the reasonably possible loss beyond the amounts accrued, are not material to the Company's consolidated financial position, results of operations or cash flows.

For further discussion of the Company's environmental matters, see *"Note 9 - Environmental and Legal Matters"* in the Notes to Condensed Consolidated Financial Statements.

CRITICAL ACCOUNTING POLICIES

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of net sales and expenses during the reporting period. Actual results could differ from these estimates, and changes in these estimates are recorded when known. The critical accounting policies used by management in the preparation of the Company's condensed consolidated financial statements are those that are important both to the presentation of the Company's financial condition and results of operations and require significant judgments by management with regard to estimates used.

The Company's most critical accounting policies, which require significant judgment or involve complex estimations, are described in the Company's 2022 Annual Report on Form 10-K for the year ended December 31, 2022.

The Company performed its annual goodwill impairment tests as of October 1, 2022. The Company concluded that all reporting units with goodwill have a fair value that exceeds their carrying value, and thus goodwill was not impaired. The Foodservice and Europe reporting units had fair values that exceed their respective carrying values by 83% and 42%, respectively, whereas all other reporting units exceeded by more than 50%. The Foodservice and Europe reporting units had goodwill totaling $43 million and $481 million, respectively at June 30, 2023.

In 2022, the Company began the process of divesting its interests in its two packaging plants in Russia. The Company reviewed the goodwill assigned to these facilities for impairment and recorded a $12 million non-cash impairment charge, thereby reducing the carrying value of goodwill for these facilities to zero. Refer to "*Note 14 - Impairment and Divestiture of Russian Business*" in the Notes to Condensed Consolidated Financial Statements for additional information.

NEW ACCOUNTING STANDARDS

For a discussion of recent accounting pronouncements impacting the Company, see "*Note 1 - General Information*" in the Notes to Condensed Consolidated Financial Statements.

BUSINESS OUTLOOK

Total capital investment for 2023 is expected to be approximately 8% of sales.

The Company also expects the following in 2023:

- Depreciation and amortization expense between $600 million and $610 million.

- Pension plan contributions between $10 million and $20 million.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK

For a discussion of certain market risks related to the Company, see Part II, "*Item 7A, Quantitative and Qualitative Disclosure about Market Risk*", in the Company's 2022 Annual Report on Form 10-K for the year ended December 31, 2022.

The Company is exposed to changes in interest rates, primarily as a result of its short-term and long-term debt, which include both fixed and floating rate debt. The Company uses interest rate swap agreements effectively to fix the SOFR rate on certain variable rate borrowings. At June 30, 2023, the Company had active interest rate swap agreements with a notional amount of $750 million expiring April 1, 2024.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

The Company's management has carried out an evaluation, with the participation of its Chief Executive Officer and Chief Financial Officer, of the effectiveness of the Company's disclosure controls and procedures pursuant to Rule 13a-15 of the Securities Exchange Act of 1934, as amended. Based upon such evaluation, management has concluded that the Company's disclosure controls and procedures were effective as of June 30, 2023.

Changes in Internal Control over Financial Reporting

There was no change in the Company's internal control over financial reporting that occurred during the fiscal quarter ended June 30, 2023 that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

PART II — OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

The Company is a party to a number of lawsuits arising in the ordinary conduct of its business. Although the timing and outcome of these lawsuits cannot be predicted with certainty, the Company does not believe that disposition of these lawsuits will have a material adverse effect on the Company’s consolidated financial position, results of operations or cash flows. For more information see "*Note 9 - Environmental and Legal Matters*" in the Notes to Condensed Consolidated Financial Statements.

ITEM 1A. RISK FACTORS

There have been no material changes from the risk factors previously disclosed in the Company's 2022 Annual Report on Form 10-K for the year ended December 31, 2022.

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

The Company purchases shares of its common stock from time to time pursuant to the 2019 share repurchase program announced on January 28, 2019. Management is authorized to purchase up to $500 million of the Company's issued and outstanding common stock per the 2019 share repurchase program.

During the second quarter of 2023, the Company purchased shares of its common stock under the 2019 program through a broker in the open market as follows:

Issuer Purchases of Equity Securities

Period (2023)	Total Number of Shares Purchased	Average Price Paid for Shares	Total Number of Shares Purchased as Part of the Publicly Announced Plan or Program	Maximum Number of Shares That May Yet Be Purchased Under the Publicly Announced Program[(a)]
April 1, through April 30,	14,232	$ 25.50	69,007,381	3,631,857
May 1, through May 31,	—	—	69,007,381	3,747,347
June 1, through June 30,	—	—	69,007,381	3,727,075
Total	14,232	$ 25.50		

[(a)] Based on the closing price of the Company's common stock as of the end of each period.

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.

ITEM 5. OTHER INFORMATION

During the quarter ended June 30, 2023, no director or officer adopted or terminated any contract, instruction or written plan for the purchase or sale of securities of the Company intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any non-Rule 10b5-1 trading arrangement (as defined in Regulation S-K Item 408(c)).

ITEM 6. EXHIBITS

Exhibit Number	Description
31.1	Certification required by Rule 13a-14(a).
31.2	Certification required by Rule 13a-14(a).
32.1	Certification required by Section 1350 of Chapter 63 of Title 18 of the United States Code.
32.2	Certification required by Section 1350 of Chapter 63 of Title 18 of the United States Code.
101.INS	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	XBRL Taxonomy Extension Schema
101.CAL	XBRL Taxonomy Extension Calculation Linkbase
101.DEF	XBRL Taxonomy Extension Definition Linkbase
101.LAB	XBRL Taxonomy Extension Label Linkbase
101.PRE	XBRL Taxonomy Extension Presentation Linkbase
104	Cover Page Interactive Data File - the cover page interactive data file does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document (included in Exhibit 101).

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) 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.

GRAPHIC PACKAGING HOLDING COMPANY
(Registrant)

EN R. SCHERGER . Scherger	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	August 1, 2023
ES D. LISCHER Lischer	Senior Vice President and Chief Accounting Officer (Principal Accounting Officer)	August 1, 2023

Exhibit 31.1

CERTIFICATION

I, Michael P. Doss certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Graphic Packaging Holding Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Michael P. Doss

Michael P. Doss,
President and Chief Executive Officer
(Principal Executive Officer)

August 1, 2023

Exhibit 31.2

CERTIFICATION

I, Stephen R. Scherger certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Graphic Packaging Holding Company;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
   (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

/s/ Stephen R. Scherger

Stephen R. Scherger Executive Vice President and Chief Financial Officer
(Principal Financial Officer)

August 1, 2023

Exhibit 32.1

CERTIFICATION
Pursuant to 18 United States Code Section 1350,
As adopted pursuant to Section 906 of the
Sarbanes-Oxley Act of 2002

The undersigned hereby certifies that, to my knowledge, the Quarterly Report on Form 10-Q for the period ended June 30, 2023 of Graphic Packaging Holding Company (the "Company") filed with the Securities and Exchange Commission on the date hereof fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in such report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Michael P. Doss

Name: Michael P. Doss,
Title: President and Chief Executive Officer
August 1, 2023

Exhibit 32.2

CERTIFICATION
Pursuant to 18 United States Code Section 1350,
As adopted pursuant to Section 906 of the
Sarbanes-Oxley Act of 2002

The undersigned hereby certifies that, to my knowledge, the Quarterly Report on Form 10-Q for the period ended June 30, 2023 of Graphic Packaging Holding Company (the “Company”) filed with the Securities and Exchange Commission on the date hereof fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that the information contained in such report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Stephen R. Scherger

Name: Stephen R. Scherger
Title: Executive Vice President and Chief Financial Officer

August 1, 2023