

A World of Difference. Made Possible.

> WHOLE GRANN



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About Graphic Packaging Holding Company

Graphic Packaging Holding Company (NYSE: GPK), headquartered in Atlanta, Georgia, designs and produces consumer packaging made primarily from renewable resources. An industry leader in innovation, the Company is committed to reducing the environmental footprint of consumer packaging. Graphic Packaging operates a global network of design and manufacturing facilities serving the world's most widely recognized brands in food, beverage, foodservice, household, and other consumer products. Learn more at www.graphicpkg.com.

SHOLO SHOLO

DOG

Our business is built on a clear purpose:

Packaging life's everyday moments for a renewable future

Consumer packaging for easy, safe and convenient daily use

High quality packaging that enhances the consumer experience of their favorite brands

Packaging made primarily with renewable or recycled materials

Innovative solutions that support the move to a circular economy

Paperboard packaging solutions designed to be recycled with reduced environmental impact at end-of-life

Financial Highlights

		YEAR ENDED DECEMBER 31,		
in millions except for per share data	2023	2022 202		
INCOME STATEMENT DATA				
Net Sales \$	9,428	\$ 9,440	\$ 7,156	
Cost of Sales	7,311	7,610	6,085	
Selling, General, Administrative	805	774	528	
Income from Operations	1,174	906	407	
Interest Expense, Net	239	197	123	
Net Income Attributable to Graphic Packaging Holding Company	723	522	204	
Weighted Average Number of Basic Shares Outstanding	308	309	297	
Weighted Average Number of Diluted Shares Outstanding	309	310	298	
Net Income Per Share Attributable to GPHC–Diluted	2.34	1.69	0.68	
BALANCE SHEET DATA				
Cash and Cash Equivalents \$	162	\$ 150	\$ 172	
Total Assets	11,175	10,328	10,457	
Total Debt	5,396	5,283	5,831	
Total Equity	2,782	2,150	1,893	
Weighted Average Number of Basic Shares Outstanding Weighted Average Number of Diluted Shares Outstanding Net Income Per Share Attributable to GPHC–Diluted BALANCE SHEET DATA Cash and Cash Equivalents \$ Total Assets Total Debt	308 309 2.34 162 11,175 5,396	309 310 1.69 \$ 150 10,328 5,283	29 29 0.6 \$ 17 10,45 5,83	



\$5,659 \$5,133 \$5,234 2022 2023

¹The calculation of Adjusted EBITDA, Adjusted Cash Flow, and Net Debt and a reconciliation to GAAP measures can be found in the Company's Fourth Quarter and Full Year 2023 Earnings Release available on www.graphicpkg.com.

Dear Fellow Stockholders,

2023 was a year of strong execution for Graphic Packaging. We significantly expanded profitability, achieved strong earnings growth, and continued to design and create new innovative sustainable packaging solutions preferred by consumers globally.

We are leading with innovation, developing stronger and deeper partnerships with customers, and advancing the circularity of our packaging products.

During 2023, sales from new product innovation continued to grow, reflecting our customers' resolve to achieve greater sustainability in their packaging of consumer goods. Because of this strength in new product development and the improvement in pricing that we achieved, we held sales flat year over year despite broad-based impacts of inventory normalization and changing consumer purchasing patterns. With a long list of projects in development in our pipeline, we commercialized several exciting new innovations during the year across our diverse customer base. Customer demand for new sustainable packaging solutions remains robust and our innovation is helping us expand our relationships with global consumer brands.

Michael P. Doss President and Chief

Executive Officer

We continued a balanced approach to capital allocation in 2023 and completed the acquisition of Bell Incorporated, a U.S. based packaging provider.

2023 Consolidated Results

- Net Sales of \$9.4 billion, flat compared to 2022
- Adjusted EBITDA¹ of \$1.9 billion increased 17% from 2022
- Adjusted EPS¹ of \$2.91 expanded 25% from 2022
- Year-end Net Leverage¹ of 2.8x improved from 3.2x at prior year-end

¹Adjusted EBITDA, Adjusted EPS and Net Leverage represent non-GAAP measures. Please refer to the fourth quarter and full year 2023 earning press release for reconciliation to GAAP measures, which is available in the Investors section of www.graphicpkg.com.



Innovation at Graphic Packaging

Our unmatched range of capabilities, R&D and design expertise, geographic scale and consumer insights, uniquely positions us as a partner of choice by leading consumer brands.

Bell brought approximately \$200 million in sales and \$30 million in Adjusted EBITDA, with an additional \$10 million of expected synergies. Bell adds to our foodservice packaging footprint and expands our capabilities into the consumer mailer markets. Earlier in 2023, we announced a significant 3-year investment in Waco, Texas to extend our leadership in recycled paperboard production in response to increasing demand. Notably, despite the significant investment underway in Waco and the Bell acquisition, we were able to lower our net leverage as committed. Finally, after raising our quarterly dividend at the end of 2022, we returned an additional \$31 million to stockholders in 2023. Our cash generative financial model is extremely powerful, and we expect to generate substantial and consistent cash flow as we conclude the current capital investment cycle.

We ended the year with approximately \$1.9 billion in Adjusted EBITDA, an increase of 17% from 2022. Adjusted EBITDA margin expanded 3% to 19.9% on relatively flat sales, showcasing our strong operational execution during the year. Adjusted Cash Flow of \$493 million included a larger capital spend on the new recycled paperboard manufacturing facility investment.

VISION 2025 TRANSFORMS INTO VISION 2030

We made substantial progress turning Vision 2025 into reality in 2023. We achieved some of our financial goals ahead of schedule. In addition, we made solid progress toward non-financial targets as well. The work we have accomplished since setting out on this journey in 2019 has been transformative for our business. As a result of this transformation, we are introducing Vision 2030 to bring the four pillars of our identity and our goals and aspirations into better alignment with the global, sustainability-focused consumer packaging leader that we have become.

"

We are leading with innovation, developing stronger and deeper partnerships with customers, and advancing the circularity of our packaging products."

INNOVATION

Graphic Packaging is a global leader in consumer packaging innovation. In 2023, sales from new product innovation surpassed the 2022 level as we successfully delivered new, sustainable packaging solutions. Innovation sales included our enhanced Cold&Go[™] insulated cold cups for Chick-fil-A, CleanClose[™] laundry detergent packaging, containers for a large mass retail customer and beverage multi-pack expansions in Europe, to name just a few. Our innovations have been widely recognized by the global consumer packaging community and our pipeline of opportunities continues to strengthen and expand.







Culture at Graphic Packaging

Our 23,000+ employees are our most valuable resource, and everyone on our team brings a unique set of skills and perspectives.

CULTURE

Our 23,000+ teammates are at the heart of our success and are our most valuable resource. Accordingly, we are constantly looking at ways to increase and enhance employee development, engagement and well-being. We appreciate our employees' desire to work on a winning team, which aligns well with our passion to produce the most sustainable packaging solutions preferred by global consumers. Our commitment is to provide a safe, inclusive, and customer-focused culture. To foster this commitment, we have and will continue to invest in training for all employees and encourage expansion of our employee resource groups. In 2023, we created two additional employee groups, Global Veteran & Military Advocates and Pride+. We are excited to offer new opportunities for employees to become more involved in the communities in which we live and work. Employee participation is encouraged through various company-led initiatives and our efforts will increase in the years to come.

"

In 2023, we refined our diversity, equity and inclusion strategy, leveraging our Inclusion Council's partnership. We were proud to launch 'The Bridge' which fosters mentoring relationships for employee resource group members. Additionally, we launched 'Connections' as an opportunity for women to grow their internal networks."

-Tessa Carey VP, TALENT AND DE&I

PLANET

Our commitment to all stakeholders is to steadily and measurably improve the environmental footprint of our consumer packaging. We fulfill this commitment to customers with our investments in innovative packaging solutions. Every new product innovation we deliver further enables our customers to achieve their own sustainability and recyclability goals. In our operations, we continue to work to reduce greenhouse gas emissions and use all other resources responsibly. Notably, in 2023, we received approval of our Science Based Targets for reducing greenhouse gas emissions by 2032. We have identified return-oriented projects that will drive achievement of these goals.

RESULTS

Graphic Packaging's focus on execution and performance underpins our goal to deliver consistent and strong financial results in all economic conditions. By leveraging our unmatched innovation capabilities and serving consumer staples markets globally, we participate and enhance everyday experiences consumers have with their favorite brands.

Award-Winning Packaging

Graphic Packaging's award-winning innovations recognized for advancing sustainability in consumer packaging



Boardio™

AF&PA Awards Sustainability Award for the Circular Value Chain



Cold&Go™

PPC Awards Gold Award in Sustainability



CleanClose™

PAC Global Awards

Best-in-Class, Packaging Innovation, Sustainable Design category



KeelClip™

PPC Awards Gold Award in Sustainability Our packaging focus on the non-discretionary part of consumers' lives results in a relatively stable demand outlook, and our leading sustainable packaging offerings allow us to win business and grow organically. Our powerful cash-generative financial model reinforces our leadership position by providing the means to invest in our team and our capabilities. At the same time, it has allowed us to reduce net debt, and, as we move past our Waco investment, will allow us to increase the amount of capital we return to stockholders.

In closing, our commitment is to bring the full power of our team, and of our innovation, design, and execution capabilities, to deliver sustainable packaging solutions that are more circular, more functional, and more convenient. By doing this, we are fulfilling our purpose to package life's everyday moments for a renewable future.

I would like to thank our more than 23,000 teammates for their continued hard work and contributions, our customers for their partnership, and our stockholders for their support and trust in Graphic Packaging.

dlib P. Ross

Michael P. Doss PRESIDENT AND CHIEF EXECUTIVE OFFICER



Leadership Team

Left to right: Brian Davison, Senior Vice President, Strategy and Development; Rick McLeod, Senior Vice President, Supply Chain; Ricardo De Genova, Senior Vice President, Global Innovation and New Business; Mike Farrell, Executive Vice President, Mills; Elizabeth Spence, Executive Vice President, Human Resources; Michael Doss, President and Chief Executive Officer; Stephen Scherger, Executive Vice President and Chief Financial Officer; Lauren Tashma, Executive Vice President, General Counsel, and Secretary; Vish Narendra, Senior Vice President and Chief Information Officer, Global Services; Maggie Bidlingmaier, Executive Vice President and President, Americas; Joe Yost, Executive Vice President and President, International; Kaeko Gondo, President, Pacific Rim

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Form 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the fiscal year ended December 31, 2023

or

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

> COMMISSION FILE NUMBER: 001-33988 Graphic Packaging Holding Company

> > (Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization)

(I.R.S. employer identification no.)

1500 Riveredge Parkway, Suite 100

Atlanta, Georgia

internet, coorgin

(Address of principal executive offices)

(770) 240-7200

Registrant's telephone number, including area code: Securities registered pursuant to Section 12(b) of the Act:

Trading Symbol(s) Name

Title of Each Class

Common Stock, \$0.01 par value per share

GPK

Name of Each Exchange on Which Registered New York Stock Exchange

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

None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes 🗵 No 🗆

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes 🗆 No 🗷

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 \square No \square

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

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

Large accelerated filer	Accelerated filer	Smaller reporting company \Box
Non-accelerated filer □		Emerging growth company \Box

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. \Box

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report. \Box

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements. \Box

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to 240.10D-1(b).

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

The aggregate market value of voting and non-voting common equity held by non-affiliates at June 30, 2023 was approximately \$7.3 billion.

As of February 20, 2024 there were approximately 306,053,777 shares of the registrant's Common Stock, \$0.01 par value per share outstanding.

DOCUMENTS INCORPORATED BY REFERENCE:

Portions of the registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders are incorporated by reference into Part III of this Annual Report on

Form 10-K.

26-0405422

30328

(Zip Code)

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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, capital investment, depreciation and amortization expense and pension plan contributions for 2024, 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, 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.

PART I

ITEM 1. BUSINESS

Overview

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 sustainable consumer packaging provider, operates on a global basis, is one of the largest producers of cartons and containers for the packaging of consumer goods and paperboard-based foodservice packaging solutions in the United States ("U.S.") and Europe, and holds leading market positions in paperboard used to produce consumer packaging solutions, including recycled, unbleached and bleached paperboard.

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 innovative paperboard packaging solutions preferred by consumers. The Company delivers marketing and performance benefits to its customers through its global packaging network, its proprietary carton and packaging designs, and its commitment to quality, service, and environmental stewardship.

Acquisitions, Closures, and Dispositions

The Company has successfully completed several acquisitions in the past three years and expects to pursue acquisition opportunities in the future as part of its overall growth strategy.

2023

In January 2023, the Company completed the acquisition of Tama Paperboard, LLC ("Tama"), a recycled paperboard manufacturing facility located in Tama, Iowa, from Greif Packaging LLC for approximately \$100 million. It is reported within the Paperboard Manufacturing reportable segment. Subsequently, in the second quarter of 2023, the Company closed this facility. For more information, see "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

During 2023, the Company decided to close multiple packaging facilities by the end of 2023 and early 2024. Production from these facilities has been consolidated into our existing packaging facilities. For more information, see "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

On September 8, 2023, the Company completed the acquisition of Bell Incorporated ("Bell") for \$264 million, adding three packaging facilities in Sioux Falls, South Dakota and Groveport, Ohio. Bell is reported within the Americas Paperboard Packaging reportable segment. For more information, see "*Note 4 - Business Combinations*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

During the third quarter of 2023, the Company decided to discontinue its project in Texarkana to modify an existing paperboard machine to add swing capacity between bleached and unbleached paperboard in order to focus its growth investments in the strategic expansion of coated recycled paperboard capacity. For more information, see "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

During the third quarter of 2023, the Company announced its decision to permanently decommission the K3 recycled paperboard machine in Kalamazoo, Michigan as part of its recycled paperboard network optimization plan that the Company initiated in 2019. For more information, see "*Note 1 - Business Combinations, Exit Activities and Other Special Charges, Net*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

During the second quarter of 2022, the Company began the process of divesting its interest in its two packaging facilities in Russia (the "Russian Operations"). The assets and liabilities to be disposed of in connection with this transaction met the held for sale criteria as of June 30, 2022 and each subsequent quarter end through the date of sale. On November 30, 2023, the Company completed the sale of its Russian Operations. For more information, see "*Note 19 - Impairment and Divestiture of Russian Business*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

2022

In May 2022, the Company closed the Battle Creek, Michigan recycled paperboard manufacturing facility. For more information, see "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

In September 2022, the Company closed its Norwalk, Ohio carton facility, which closure had been announced in March 2022. For more information, see "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

2021

On July 1, 2021, the Company acquired substantially all the assets of Americraft Carton, Inc. ("Americraft"), the largest independent operator of packaging facilities in North America. The acquisition included seven packaging facilities across the United States and is reported within the Americas Paperboard Packaging reportable segment. For more information, see "*Note 4 - Business Combinations*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

On November 1, 2021, the Company acquired all the shares of AR Packaging Group AB ("AR Packaging"), Europe's second largest producer of paperboard consumer packaging. The acquisition included 30 packaging facilities in 13 countries and is reported within the Europe Paperboard Packaging reportable segment. For more information, see "*Note 4 - Business Combinations*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

Share Repurchases and Dividends

On July 27, 2023, the Company's board of directors authorized an additional 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 "2023 share repurchase program"). The previous \$500 million share repurchase program was authorized January 28, 2019 (the "2019 share repurchase program").

Share repurchases are reflected as a reduction of common stock for the par value of the shares, with any excess of share repurchase price over par value allocated between capital in excess of par value and retained earnings.

The following presents the Company's share repurchases for the years ended December 31, 2023, 2022, and 2021:

Amount repurchased in millions, except share and per share amounts		umber of Shares Repurchased	Average Price per Share
2023	\$ 54	2,389,224	\$ 22.80
2022	\$ 28	1,315,839	\$ 20.91
2021	\$ 		\$

At December 31, 2023, the Company had \$565 million available for additional repurchases under the 2023 and 2019 share repurchase programs.

During 2023, 2022 and 2021, GPHC paid cash dividends of \$123 million, \$92 million and \$87 million, respectively. Though the decision to distribute cash dividends rests solely with the Board of Directors, the Company presently intends to maintain a quarterly cash dividend, subject to earnings and liquidity considerations.

Products

The Company has three reportable segments as follows:

Paperboard Manufacturing, previously referred to as the Paperboard Mills reportable segment, includes the seven North American paperboard manufacturing facilities that produce unbleached, bleached and recycled paperboard, 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 Manufacturing segment's 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 Manufacturing segment to reflect the economics of the integration of these segments.

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

The Company operates in three geographic areas: the Americas, Europe and Asia Pacific.

For reportable segment and geographic area information for each of the last three fiscal years, see "*Note 15 - Business Segment and Geographic Area Information*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data."

Paperboard Packaging

The Company's paperboard packaging products deliver brand, marketing, sustainability, and performance benefits at a competitive cost. The Company supplies paperboard cartons, carriers and containers designed to protect and hold products while providing:

- Convenience through ease of carrying, storage, delivery, dispensing of product, and food preparation for consumers;
- A smooth surface printed with high-resolution, multi-color graphic images that help improve brand awareness and visibility of products on store shelves; and
- Durability, stiffness and wet and dry tear strength; leak, abrasion and heat resistance; barrier protection from moisture, oxygen, oils and greases, as well as enhanced microwave heating performance.

The Company provides a wide range of innovative, paperboard packaging solutions for the following end-use markets:

- · Beverage, including beer, seltzer, soft drinks, energy drinks, teas, water and juices;
- Food, including cereal, desserts, frozen, refrigerated, microwavable foods and pet food;
- Prepared food and drinks, including snacks, quick-serve food and drinks for restaurants and food service providers;
- · Household products, including dishwasher and laundry detergent, tissues and papers;
- Air filter frames; and
- Healthcare and beauty aids.

The Company's packaging applications meet the needs of its customers for:

Strength Packaging. The Company's products provide sturdiness to meet a variety of packaging, handling, and delivery needs, including wet and dry tear strength, puncture resistance, durability and compression strength (providing the ability to ship products in their own branded carton and stacking strength to meet store display packaging requirements).

Promotional Packaging. The Company offers a broad range of promotional packaging options that help differentiate its customers' products in the marketplace. These promotional enhancements improve brand awareness and visibility on store shelves.

Convenience and Cooking Packaging. These packaging solutions improve package usage and food preparation:

- Beverage multiple-packaging multi-packs for beer, soft drinks, energy drinks, teas, water and juices;
- Active microwave technologies packages that improve the heating and browning of foods in the microwave; and
- Easy opening and closing features dispensing features, pour spouts and sealable liners.

Barrier Packaging. The Company provides packages that protect against moisture, temperature (hot and cold), grease, oil, oxygen, sunlight, insects and other potential product-damaging factors.

Paperboard Manufacturing and Packaging Operations Facilities

The Company produces paperboard at its manufacturing facilities; prints, cuts, folds, and glues ("converts") the paperboard into cartons, containers and other packaging at its packaging facilities; and designs and manufactures specialized, proprietary packaging machines that package bottles and cans and, to a lesser extent, non-beverage consumer products. The Company also installs its packaging machines at customer plants and provides support, service and advanced performance monitoring of the machines.

The Company offers a variety of laminated, coated and printed packaging structures that are produced from its recycled, unbleached and bleached paperboard grades, as well as other grades of paperboard that are purchased from third-party suppliers.

Below is the production at each of the Company's paperboard manufacturing facilities during 2023:

Location	Paperboard Product	# of Machines	2023 Net Tons Produced
West Monroe, LA	Unbleached	2	863,482
Macon, GA	Unbleached	2	693,847
Texarkana, TX	Bleached	2	570,720
Augusta, GA	Bleached	2	521,391
Kalamazoo, MI ^(a)	Recycled	2	956,276
Middletown, OH	Recycled	1	156,407
East Angus, Québec	Recycled	1	90,088
Tama, IA ^(b)	Recycled	1	15,407

^(a) During the third quarter of 2023, the Company announced its decision to permanently decommission the K3 recycled paperboard machine in Kalamazoo, Michigan as part of its recycled paperboard network optimization plan that the Company initiated in 2019.

^(b)Closed in the second quarter of 2023.

The Company consumes most of its paperboard output in its packaging operations, which is an integral part of the customer value proposition. In 2023, approximately 78% of combined paperboard production of unbleached, bleached and recycled paperboard was consumed internally.

Unbleached Paperboard Production. The Company is the largest of four worldwide producers of unbleached paperboard. Unbleached paperboard is manufactured primarily from pine-based wood fiber and is a specialized high-quality grade of coated paperboard with excellent wet and dry tear strength characteristics and printability for high resolution graphics that make it particularly well-suited for a variety of packaging applications. Both wood and recycled fibers are pulped, formed on paperboard machines, and clay-coated to provide an excellent printing surface for superior quality graphics and appearance characteristics.

Bleached Paperboard Production. The Company is one of the largest North American producers of bleached paperboard. Bleached paperboard is manufactured primarily from bleached pine and hardwood-based wood fiber and is the highest quality paperboard substrate, with excellent wet and dry strength characteristics and superior printability for high-end packaging. Both wood and recycled fibers are pulped, formed on paperboard machines, and clay-coated to provide an excellent printing surface for superior quality graphics and appearance characteristics. Bleached paperboard is also coated with resin for wet strength liquid and food packaging end uses.

Recycled Paperboard Production. The Company is the largest North American producer of recycled paperboard. Recycled paperboard is manufactured entirely from recycled fibers, primarily old corrugated containers ("OCC"), doubled-lined kraft cuttings from corrugated box plants ("DLK"), old newspapers ("ONP"), box cuttings from manufacturing facilities, and office and mixed paper bales. The recycled fibers are re-pulped, formed on paperboard machines, and clay-coated to provide an excellent printing surface for superior quality graphics and appearance characteristics.

The Company converts recycled, unbleached and bleached paperboard, as well as other grades of paperboard, into cartons, containers and other packaging for consumer goods products at packaging facilities the Company operates in various locations globally, including a packaging facility associated with the Company's joint venture in Japan, and at licensees outside the U.S. The packaging facilities print, cut, fold and glue paperboard into cartons and containers designed to meet customer specifications.

Joint Venture

The Company is a party to a Japanese joint venture, Rengo Riverwood Packaging, Ltd., in which it holds a 50% ownership interest. The joint venture agreement covers unbleached paperboard supply, use of proprietary carton designs and marketing and distribution of packaging systems.

Sales and Marketing

The Company markets its products principally to multinational beverage, food, quick-service restaurants, health/beauty and other well-recognized consumer products companies. The beverage companies include Anheuser-Busch, Inc., MillerCoors LLC, PepsiCo, Inc. and The Coca-Cola Company, among others. Consumer product customers include Kraft Heinz Company, General Mills, Inc., Nestlé USA, Inc., WK Kellogg Co, Kellanova and Kimberly-Clark Corporation, among others. Quick-service restaurant customers include Chick-fil-A, McDonald's, Wendy's, Panda Express, Dairy Queen, Chipotle, Panera and KFC. Health/beauty customers include GlaxoSmithKline, Bayer, Johnson & Johnson, Abbott, Novartis, L'Oréal S.A., Proctor & Gamble, and Colgate. The Company also sells paperboard in the open market to independent and integrated paperboard packaging producers.

Sales of the Company's principal products are primarily accomplished through sales offices in the U.S., Australia, Brazil, China, France, Germany, Italy, Japan, Mexico, Spain, the Netherlands and the United Kingdom, and, to a lesser degree, through broker arrangements with third parties.

During 2023, 2022 and 2021, the Company did not have any one customer that represented 10% or more of its net sales.

Competition

Although a relatively small number of large competitors hold a significant portion of the paperboard packaging market, the Company's business is subject to strong competition. The Company and WestRock Company are the two major unbleached paperboard producers in the U.S. Internationally, The Klabin Company in Brazil and Stora Enso in Sweden produce similar grades of paperboard.

In non-beverage consumer packaging and foodservice, the Company's paperboard competes with packaging utilizing unbleached paperboard, as well as recycled and bleached paperboard from numerous competitors, and, internationally, folding boxboard and white-lined chip. There are a large number of producers in the paperboard markets. Suppliers of paperboard packaging compete with paperboard and plastic packagers as well as other primary and secondary packaging on the basis of price, strength and printability of packaging materials, quality and customer service.

In beverage packaging, cartons made from unbleached paperboard compete with substitutes such as plastics and corrugated packaging for packaging glass or plastic bottles, cans and other primary containers. Although plastics and corrugated packaging may be priced lower than unbleached paperboard, the Company believes that packaging made from unbleached paperboard offers advantages over these materials in areas such as recyclability (versus plastic alternatives), design flexibility, distribution, brand awareness, carton designs, package performance and package line speed.

Raw Materials

The Company's main raw materials are pine and hardwood trees and recycled fibers. Pine pulpwood, hardwood pulp, paper and recycled fibers (including DLK, OCC and ONP) and energy used in the manufacture of paperboard, as well as poly sheeting, plastic resins and various chemicals used in the coating of paperboard, represent the largest components of the Company's variable costs of paperboard production (other than labor).

For the West Monroe, LA, Macon, Georgia, Texarkana, Texas, and Augusta, Georgia paperboard manufacturing facilities, the Company relies on private landowners and the open market for all of its pine and hardwood pulp and recycled fiber requirements, supplemented by clippings that are obtained from its packaging operations. The Company follows a due diligence process to ensure virgin fiber inputs are sourced from sustainaby managed forests and do not contribute to deforestation or habitat loss for ecosystems with high conservation value. The Company believes that adequate supplies from both private landowners and open market fiber sellers currently are available in close proximity to its paperboard manufacturing facilities to meet its raw material needs.

The paperboard grades produced at the Kalamazoo, Michigan, Middletown, Ohio, Tama, Iowa, and East Angus, Quebec paperboard manufacturing facilities are made from 100% recycled fiber. The Company procures its recycled fiber from external suppliers and internal packaging operations. The market price of each of the various recycled fiber grades fluctuates with supply and demand. The Company's internal recycled fiber procurement function enables the Company to pay lower prices for its recycled fiber needs given the Company's highly fragmented supplier base. The Company believes there are adequate supplies of recycled fiber to serve its paperboard manufacturing facilities.

In North America, the Company also utilizes a variety of other paperboard grades in its packaging operations, in addition to paperboard that is supplied to its packaging operations from its own paperboard manufacturing facilities. The Company purchases such paperboard requirements, including additional recycled and bleached paperboard, from outside vendors. The majority of external paperboard purchases are acquired through long-term arrangements with other major industry suppliers. The Company's European packaging operations consume unbleached paperboard supplied from the Company's paperboard manufacturing facilities and utilize other paperboard grades such as white-lined chip and folding box board purchased from external suppliers in its packaging facilities.

Energy

Energy, including natural gas, fuel, oil and electricity, represents a significant portion of the Company's manufacturing and distribution costs. The Company has entered into contracts designed to manage risks associated with future variability in cash flows and price risk related to future energy cost increases for a portion of its natural gas requirements at its U.S. paperboard manufacturing facilities. The Company's hedging program for natural gas is discussed in "*Note 10 - Financial Instruments, Derivatives and Hedging Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

Seasonality

The Company's net sales, income from operations and cash flows from operations are subject to moderate seasonality, with demand usually increasing in the late spring through early fall due to increases in demand for beverage and food products.

Research and Development

The Company's research and development team works directly with its sales, marketing and consumer insights personnel to understand long-term consumer and retailer trends and create relevant new packaging. These innovative solutions provide customers with differentiated packaging to meet consumer preferences. The Company's development efforts include, but are not limited to, developing sustainable consumer packaging made from renewable resources, packaging alternatives to replace plastic packaging; extending the shelf life of customers' products; reducing production and waste costs; enhancing the heat-managing characteristics of food packaging; improving the sturdiness and compression strength of packaging to allow goods to ship in their own branded container and to meet store display needs; and refining packaging appearance through new printing techniques and materials.

Consumer concerns regarding the growing plastic packaging waste problem represents one of the strongest trends in the packaging industry, and the Company focuses on developing innovative, sustainable consumer packaging solutions that are recyclable and help customers achieve their packaging sustainability goals. The Company's strategy is to combine functionality and innovative packaging design with a focus on packaging end of life to create circular packaging solutions for customers and consumers.

For more information on research and development expenses see "*Note 1 - Nature of Business and Summary of Significant Accounting Policies*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

Patents and Trademarks

As of December 31, 2023, the Company had a large patent portfolio, presently owning, controlling or holding rights to more than 2,900 U.S. and foreign patents, with more than 850 U.S. and foreign patent applications currently pending. The Company's patent portfolio consists primarily of patents relating to packaging machinery, manufacturing methods, structural carton designs, active microwave packaging technology and barrier protection packaging. These patents and processes are significant to the Company's operations and are supported by trademarks such as BoardioTM, Fridge VendorTM, IntegraPakTM, KeelClipTM, MicroFlex-QTM, MicroRiteTM, Quilt WaveTM, Qwik CrispTM, Tite-PakTM, and Z-FluteTM. The Company takes significant steps to protect its intellectual property and proprietary rights.

Human Capital

We believe that the Company's greatest asset is our workforce. Solving day-to-day operational and business challenges in order to drive positive results for stakeholders requires attracting, developing, and retaining talented individuals with different skills, ideas, and experiences. Our Vision 2030 outlines how we will be leaders in innovation, build a world-class culture, protect our planet, and deliver results for all of our stakeholders.

Culture is one of the pillars of our Vision 2030 and the safety and wellbeing of our employees is our top priority. Employee engagement is key to a safe and stable workforce. We are putting programs and initiatives in place to drive engagement to the 75% percentile (using the Gallup Q12[®] framework). In 2023 we conducted an employee engagement survey and we have executed a robust communication plan to ensure each employee hears results and a commitment for action from their leader. Action plans have been developed at the local level in locations around the globe as we strive to further engage our employees. Additionally, our talent acquisition, development, succession and diversity and inclusion strategies are all critical components of our multi-year plan to focus on our people and our culture.

We are enhancing the capabilities of our workforce as our business and strategy evolve. We have invested in innovation, research and development, and digital capabilities to position us to capture organic sales growth supported by consumer preferences for low impact, recyclable packaging. As our business continues to evolve, we will continue to invest in capability development areas that serve as a competitive advantage for the Company and we will adapt our workforce and invest in our employees to ensure that we have the necessary human capital capabilities in place to support our growth strategy.

As of December 31, 2023, the Company had approximately 23,500 employees based in 122 locations in 26 different countries around the world. Approximately 68% of our employees are in the Americas and 32% are in Europe and the rest of the world. Approximately 58% of our employees were represented by labor unions and covered by collective bargaining agreements or covered by works councils in Europe. As of December 31, 2023, 550 of the Company's employees were working under expired contracts, which are currently being negotiated, and 1,015 were covered under collective bargaining agreements that expire within one year. The Company considers its employee relations to be satisfactory.

Employee Health and Safety

Maintaining a safe work environment is vital to the Company, and we are committed to the health, safety and wellness of our employees. Our Total Recordable Incident Rate, which is the annual rate of workplace injuries per 100 full-time employees, is 1.0, reflecting better performance than the industry average. We strive to achieve an injury-free workplace through various safety initiatives and programs, and our Vision 2030 goal is zero life injuries.

Diversity and Inclusion

We believe that a diverse and inclusive working environment encourages creativity, innovation, and collaboration and that a diverse and inclusive culture propels our ability to serve our global customers and communities. Our commitment to diversity and inclusion is reflected in the definitions of our core values, which dictate our behavioral norms. In Vision 2030, we have set a goal of 40% ethnic diversity in our U.S. workforce, roughly equal to the diversity in the U.S. population as a whole. We are also committed to increasing women in leadership roles across the organization. At present, approximately one quarter of our senior leaders are women, and our target in Vision 2030 is to reach at least 35%.

The Compensation and Management Development Committee of our Board of Directors annually reviews the processes and practices related to workforce diversity and inclusion programs to ensure continued equitable treatment of all employees and a culture of inclusion. Our goal moving forward is to not only mirror the diversity of the communities where we operate, but also to excel in unlocking the potential that a diverse workforce can generate.

Community Engagement

Building connections between our employees, their families, and our communities creates a more meaningful, fulfilling and enjoyable workplace. Our employees around the world dedicate their time and talents to improve the communities in which we live and work. Driven by our core values, making a difference for our customers, our consumers, and our community is at the root of our community engagement strategy. The Company focuses on three pillars that guide the strategy for our community service activities and philanthropic commitments: (1) putting food on the table, (2) preserving the environment, and (3) investing in education.

Environmental and Regulatory Matters

The Company is subject to a broad range of foreign, federal, state and local environmental, health and safety, and other governmental regulations and employs a team of professionals in order to maintain compliance at each of its facilities. In 2023, the Company spent \$18 million of capital on projects to maintain compliance with environmental laws, regulations and the Company's permits granted thereunder. In 2024 and 2025, the Company estimates it will spend \$134 million and \$33 million respectively, for such projects as a new wastewater treatment system and upgrades to waste water treatment systems at certain of our paperboard manufacturing facilities. For additional information on such regulation and compliance, see "Environmental Matters" in "Item 7., Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Note 14 - Environmental and Legal Matter" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

Climate change presents both challenges and opportunities for the Company and its communities. Climate change challenges for the Company are likely to be driven by changes in the physical climate where our facilities are located, as well as changes in laws and regulations, including restrictions on greenhouse gas ("GHG") emissions, cap and trade systems, and taxes on GHG emissions, fuel, and energy. Climate change also presents opportunities for the Company as it drives growth in demand for lower-carbon footprint products and manufacturing technologies. We believe the Company is well-positioned to take advantage of opportunities that may arise from increased consumer demand for and/or legislation mandating or incentivizing the use of products and technologies necessary to achieve a lower-carbon, lower-waste economy. Our costs of complying with complex environmental laws and regulations, as well as voluntary certification and disclosure programs, are significant and will continue to be significant for the foreseeable future. These laws and regulations and stakeholder driven voluntary certification and disclosure programs could become more stringent over time, which could result in significant additional compliance costs. Additionally, significant national or state differences in the imposition and enforcement of such laws and regulations could present competitive challenges in a global marketplace. By tracking and taking action to reduce our GHG emissions and energy use through efficiency programs and focused GHG management efforts, we can decrease the potential future impact of these regulatory matters.

The Company's Core Values underpin our commitment to our stakeholders and our strategy to deliver sustainable, recyclable packaging solutions. Our Vision 2030 plan outlines our targets for protecting the environment and include: achieving our approved 2032 Science Based Targets for Scope 1, 2, and 3 GHG emissions reductions; achieving 90% renewable fuel use in wood fiber paperboard manufacturing facilities; raising our purchased renewable electricity percentage to 50%; and ensuring that 100% of our purchased forest products come from sustainably managed sources.

Available Information

The Company's website is located at <u>http://www.graphicpkg.com</u>. The Company makes available, free of charge through its website, its Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, Proxy Statements and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as soon as reasonably practicable after such materials are electronically filed or furnished to the Securities and Exchange Commission (the "SEC"). The Company also makes certain investor presentations and access to analyst conference calls, as well as certain environmental, social, and governance information available through its website. The information contained or incorporated into the Company's website is not a part of this Annual Report on Form 10-K.

The SEC maintains an Internet website that contains reports, proxy and information statements, and other information regarding issuers like the Company that file electronically with the SEC at http://www.SEC.gov.

ITEM 1A. RISK FACTORS

Our operations and financial results could be affected by various risks, many of which are beyond our control. The following risks could affect (and in some cases have affected) the Company's actual results and could cause such results to differ materially from current estimates or expectations:

Industry Risks

The Company's financial results could be adversely impacted if there are significant increases in prices for raw materials, energy, transportation and other necessary supplies and services, and the Company is unable to raise prices or improve productivity to reduce costs.

Increases in the costs of raw materials, including secondary fiber, petroleum-based materials, energy, wood, transportation and other necessary goods and services, could have an adverse effect on the Company's financial results. Paperboard manufacturing processes require significant energy and raw materials, the costs of which are subject to worldwide supply and demand factors, supply chain disruptions that can affect availability and result in increased prices, as well as trade regulations and tariffs, GHG emissions-based regulations, and other factors beyond our control. Variations in the cost of energy, which primarily reflect market prices for oil and natural gas, and for raw materials may significantly affect our operating results from period to period. Because negotiated sales contracts and the market largely determine the pricing for our 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 uses productivity improvements and other initiatives to reduce costs, offset inflation and maintain adequate raw material supplies. These actions include global continuous improvement initiatives that use best-in-class industry methodologies and statistical process control to help design and manage many types of activities, including planning, procurement, production and maintenance. These efforts result not only in cost reductions, but also build resilience in the overall supply chain. The Company's ability to realize anticipated savings from these improvements is subject to significant operational, economic and competitive uncertainties and contingencies, many of which are beyond the Company's control. If the Company cannot successfully implement 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 product substitution could have an adverse effect on the Company's financial results.

The Company competes with consumer packaging companies, both domestically and internationally, including paperboard packaging producers. The Company's products compete with those made from other manufacturers' paperboard, as well as consumer packaging made primarily from plastic, shrink film, paper, corrugated containers, biobased materials and other packaging materials. Product substitution may occur in response to price, quality and service issues, as well as environmental and social concerns, such as the use of recycled post-consumer plastic and biobased materials in the production process.

In addition, to the extent the Company's operations are subject to labor, safety and climate change regulations and requirements not stringently imposed in the states and countries in which our competitors operate, our competitors could gain cost or other competitive advantages. 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 such contracts on favorable terms or at all. The Company works to maintain market share through efficiency, product innovations and strategic sourcing to its customers; however pricing and other competitive pressures, such as providing the lowest-carbon footprint packaging solution or delivering on GHG emissions reduction targets, may occasionally result in the loss of a customer relationship.

Changes in buying habits and preferences for products by customers and consumers could have an effect on our sales volumes.

Changing dietary habits and preferences have impacted sales growth for many of the food and beverage products the Company packages. Customer and consumer preferences are constantly changing based on, among other factors, the economy, convenience, cost and health considerations, as well as environmental, social concerns and perceptions, such as pressure to reduce packaging waste by switching to reusable containers versus single-use packaging options. If these trends continue and the Company is unable to adapt to them, then the Company's financial results could be adversely affected.

Operational Risks

The Company could experience material disruptions at our facilities, that could adversely impact the Company's financial results and could increase the cost of insurance and level of deductibles.

Although the Company takes appropriate measures to minimize the risk and effect of material disruptions to the business conducted at our facilities, natural disasters such as hurricanes, tornadoes, heat waves, freezing events, floods, droughts, fire and other extreme weather events, (all of which may be exacerbated by climate change), as well as other unexpected disruptions such as the unavailability of critical raw materials, power outages and equipment breakdowns or failures can reduce production and increase manufacturing costs. These types of disruptions, whether caused by climate change or other events, could materially adversely affect our earnings, depending upon the duration of the disruption and our ability to shift business to other facilities or find other sources of materials or energy. In addition, given the Company's integrated supply chain, managing board supply and properly planning for paperboard manufacturing outages and downtime must be integrated with the packaging facilities' forecasts. Any inability to do so could adversely affect the Company's financial results. Any losses due to these events may not be covered by our existing insurance policies and may be subject to significant deductibles. The premiums for insurance coverage have recently increased and may continue to increase, along with the level of deductibles.

Preparedness plans have been developed for vulnerable facilities and detail the actions needed in the event of unforeseen events or severe weather. We also obtain insurance coverage to mitigate losses from physical damages and business interruptions. These measures have historically been in place and such activities and associated costs are driven by normal operational preparedness. However, there can be no assurance that such measures will be effective for a particular event that we may experience.

In addition to the possible disruptions to our facilities' production as discussed above, because approximately 62% of the Company's employees are represented by unions, the Company could experience disruptions such as work slowdowns or strikes from time to time. If the Company is unable to prevent prolonged interruptions of the Company's operations at any of its' facilities due to slowdowns, strikes or other work interruptions, the Company may experience a negative impact to its' financial results.

The Company's information technology systems could suffer interruptions, failures, unauthorized access, or breaches and our business operations could be disrupted, adversely affecting results of operations and the Company's reputation.

The Company's information technology systems, some of which are dependent on services provided by third parties, serve an important role in the operation of the business. These systems could be damaged or cease to function properly due to any number of causes, such as catastrophic events, power outages, security breaches, computer viruses or cyber-based attacks. The Company has contingency plans in place to prevent or mitigate the impact of these events, however, if they are not effective on a timely basis, business interruptions could occur which may adversely impact results of operations.

The Company has been, and likely will continue to be, subject to computer hacking, acts of vandalism or theft, malware, ransomware, computer viruses or other malicious codes, phishing, employee error or malfeasance or other cyber-attack. To date, the Company has experienced no material impact on our business or operations from these types of attacks or events. Any future significant compromise or breach of data security, whether external or internal, or misuse of customer, employee, supplier or Company data, could result in significant costs, interrupted operations, lost sales, fines, lawsuits, and damage to the Company's reputation. These ever-evolving threats mean the Company and its third-party service providers and vendors must continually evaluate and adapt their respective systems and processes and overall security environment, as well as those of any business we acquire. There is no guarantee that these measures will be adequate to safeguard against all data security breaches, system compromises or misuses of data and insurance may not fully cover the costs of cyber incidents. In addition, the regulatory environment related to information security, data collection and use, and privacy is becoming increasingly rigorous, with new requirements applicable to the Company's business. Compliance with such requirements could also result in additional costs.

The Company's operations and financial results could be adversely impacted by events outside the Company's control, such as pandemics or other global health emergencies, or geopolitical conflicts and other social and political unrest or change.

As a result of events, such as pandemics or other global health emergencies and widespread military and geopolitical conflicts and other social and political unrest in Eastern Europe, Africa and the Middle East, 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. These events may result in supply chain and transportation disruptions to and from our facilities and could impact the Company's ability to operate its facilities and distribute products to its customers in a timely or cost-effective fashion. In addition, these 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. This volatility and loss of employment may negatively impact consumer buying habits, which could adversely affect the Company's financial results.

The Company could be adversely impacted if the Company is unable to successfully integrate acquired businesses.

The Company has made a significant number of acquisitions throughout its history and expects to make additional acquisitions in the future. The Company's ability to integrate the acquired businesses successfully, including obtaining anticipated cost savings or synergies and expected operating results within a reasonable period of time, is an important factor in the Company's future performance. If the Company is unable to realize desired benefits from its acquisitions, the Company may be required to spend additional time or money on integration efforts that would otherwise have been spent on the development and expansion of its core business.

The Company may not be able to develop and introduce new products and adequately protect its intellectual property and proprietary rights, which could harm its future success and competitive position.

The Company works to increase market share and profitability through product innovation and the introduction of new products. The inability to develop new or better products that satisfy customer and consumer preferences in a timely manner may impact the Company's competitive position. The Company's future success and competitive position also depends, in part, upon its ability to obtain and maintain protection for certain proprietary carton and packaging machine technologies used in its value-added products, particularly those incorporating the Fridge Vendor, IntegraPak, KeelClip, MicroFlex-Q, MicroRite, Opti-Cycle, PaperSeal Slice and PaperSeal Wedge, PaperSeal Shapes, Boardio, Produce Pack, Quilt Wave, Qwik Crisp, Tite-Pak, and Z-Flute technologies. Failure to protect the Company's existing intellectual property rights may result in the loss of valuable technologies or may require the Company to license other companies' intellectual property rights. It is possible that any of the patents owned by the Company may be invalidated, rendered unenforceable, circumvented, challenged or licensed to others or any of its pending or future patent applications may not be issued within the scope of the claims sought by the Company, if at all. Further, others may develop technologies that are similar or superior to the Company's technologies, duplicate its technologies or design around its patents, and steps taken by the Company to protect its technologies may not prevent misappropriation of such technologies.

The Company's capital spending may not achieve the desired benefits, which could adversely impact future financial results.

The Company invests significant amounts of cash each year on capital projects, which have expected returns to the Company. The Company's ability to execute on these projects in order to achieve planned outcomes, including obtaining expected returns and strategic long-term goals within a reasonable period of time, is an important factor in the Company's financial results and commitments to the market. As these investments start up, the Company may experience unanticipated business disruptions and not achieve the desired benefits or timelines. In addition, the Company's acquisitions may require more capital than expected to achieve synergies or expected operating results. Additional spending and unachieved benefits may adversely affect the Company's cash flow and results of operations.

The Company may face a shortage of skilled workers and key management personnel.

The Company's ability to maintain or expand its business depends on our ability to attract, develop and retain a skilled workforce at all levels within our organization, including production employees and key managers. Changing demographics and workforce trends may result in a loss of knowledge and skills as experienced workers retire or resign. The Company may incur higher costs to hire and retain new workers, and the failure to attract and retain sufficient skilled workers may result in operational inefficiencies or require additional capital investments to reduce reliance on labor, which may adversely impact the Company's results.

The Company is subject to the risks of doing business in foreign countries.

The Company has packaging facilities and one paperboard manufacturing facility in 20 countries outside of the U.S. and sells its products worldwide. For 2023, before intercompany eliminations, net sales from operations outside of the U.S. represented approximately 30% of the Company's net sales. The Company's revenues from foreign sales fluctuate with changes in foreign currency exchange rates. In addition, at December 31, 2023, approximately 27% of the Company's total assets were denominated in currencies other than the U.S. dollar. The Company pursues a currency hedging program in order to reduce the impact of foreign currency exchange fluctuations on financial results.

The Company is also subject to the following significant risks associated with operating in foreign countries:

- Export compliance;
- Compliance with and enforcement of environmental, health and safety, labor laws and data privacy and other regulations of the foreign countries in which the Company operates;
- Difficulties moving funds from certain countries back to the U.S.;
- Imposition or increase of withholding and other taxes on remittances and other payments by foreign subsidiaries; and
- Imposition of new or increases in capital investment requirements and other financing requirements by foreign governments.

Financial Risks

The Company's indebtedness may adversely affect its financial condition and its ability to react to changes in its business.

The Company had an aggregate principal amount of \$5,396 million of outstanding debt as of December 31, 2023.

Because of the Company's debt level, a portion of its cash flows from operations is dedicated to payments on indebtedness and the Company's ability to obtain additional financing for working capital, capital expenditures, acquisitions or general corporate purposes may be restricted in the future.

Additionally, 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. These restrictions could limit the Company is flexibility to respond to changing market conditions or its business, or unable to carry out capital expenditures that are necessary or important to its growth strategy and productivity improvement programs.

As of December 31, 2023, approximately 20% of the Company's debt is subject to variable rates of interest and exposes the Company to increased debt service obligations in the event of increased market interest rates.

Legal and Regulatory Risks

The Company is subject to a broad range of foreign, federal, state, and local laws and regulations, including environmental, health and safety, sustainability, data privacy, labor and employment, corruption, tax, and healthcare, and costs to comply with such laws and regulations, or any liability or obligation imposed under new laws or regulations, could negatively impact its financial condition and results of operations.

The Company must comply with a wide variety of environmental, health and safety laws and regulations, including those governing GHG emissions and other discharges to air, soil and water and the management, treatment and disposal of hazardous substances, the investigation and remediation of contamination resulting from releases of hazardous substances, waste disposal, recycling of packaging, extended producer responsibilities, deforestation risks, and the health and safety of employees. These laws and regulations, particularly those that relate to GHG emissions, are evolving and expected to become more stringent over time, which could result in significant additional compliance costs (such as the installation or modification of emission control equipment), increased costs of purchased energy or other raw materials, increased transportation costs, restrictions on our operations, or additional costs associated with air and water emissions. The Company is tracking and taking actions to reduce our GHG and other air and water emissions to decrease the potential future impact of these regulatory matters. However, the Company cannot currently assess the impact that future emission standards, climate control initiatives, regulation changes and enforcement practices will have on the Company's operations and capital expenditure requirements.

Additionally, over the past few years, the number of data privacy laws and regulations has increased and become more complex and stringent in the U.S. and internationally. The improper handling and disclosure of or access to personal data in violation of privacy laws and regulations such as the European Union's General Data Protection Regulation ("GDPR"), the California Privacy Rights Act ("CPRA"), the Virginia Consumer Data Protection Act ("CDPA"), and Canada's Consumer Privacy Protection Act ("CPPA") could cause harm to the Company's reputation, cause loss of consumer confidence, subject the Company to government enforcement actions, or result in private litigation against the Company. Any of these outcomes could negatively impact the Company's financial condition and results of operations. Moreover, with no unifying standards for both U.S. and international data privacy laws and regulations, the Company could incur additional compliance cost in order to comply with the large number of data privacy laws and regulations, which could result in a negative impact to the Company's results of operations.

ITEM 1B. UNRESOLVED STAFF COMMENTS

None

ITEM 1C. CYBERSECURITY

The Company has cybersecurity incident response policies and procedures for identifying, assessing, and managing material risks arising from cybersecurity incidents, including those arising from third-party service providers. Our cybersecurity program is based on components of the National Institute of Standards and Technology's ("NIST") Cybersecurity Framework. The Company's Vice President, Information Security, who has 15 years of experience in information security and has several industry certifications such as Certified Information Security Manager ("CISM"), Certified in Risk and Information Systems Control ("CRISC"), and Certified Information Privacy Professional ("CIPP"), is primarily responsible for managing and assessing cybersecurity risks. The Company uses a number of other internal and external resources to manage its information technology ("IT") and cybersecurity operations across the Company, including global managed service providers that provide 24/7 support for all of the Company's key IT systems and consultants who are engaged periodically to assist with the Company's evaluation of its systems and processes for preventing and mitigating cybersecurity incidents. The Company's global managed service providers also assess cybersecurity incidents and classify incident is managed and communicated. The Incident Response Plan also outlines the procedures that the Company then follows for evaluation and recovery from an incident, including containment of the affected systems, in order to restore our systems to normal operations. To date, the Company has not had a cybersecurity event that materially impacted its operations, financial position or the security of its proprietary data.

Cybersecurity incidents that are deemed Priority 1 (described in the Incident Response Plan as those incidents affecting key operational and financial systems), are reported to certain members of the Company's Executive Leadership Team including the Chief Executive Officer, Chief Financial Officer, General Counsel and Chief Information Officer ("CIO") for assessment of the materiality of the incident, which will be made using both quantitative and qualitative analysis to determine an incident's immediate and reasonably likely future impacts. Cybersecurity incidents that are deemed material, either individually or in aggregate, are reported to the Audit Committee of the Company's Board of Directors, which has been delegated the responsibility for oversight of cybersecurity risks. The Company also communicates material cybersecurity incidents to the Company's independent auditors and internal audit team.

Annually the Company conducts an Enterprise Risk Assessment during which management identifies and quantifies risks to the Company's operations, financial position and strategy, including cybersecurity risks. The conclusions of the annual Enterprise Risk Assessment are shared with the Audit Committee. Working with the CIO and the Vice President, Information Security, the Audit Committee periodically reviews the strategy, priorities, and goals of the cybersecurity program and the CIO and Vice President, Information Security, provide regular updates to the Audit Committee.

ITEM 2. *PROPERTIES*

Headquarters

The Company leases its principal executive offices in Atlanta, Georgia.

Operating Facilities

A listing of the principal properties owned or leased and operated by the Company is set forth below. The Company's buildings are adequate and suitable for the business of the Company and have sufficient capacity to meet current requirements. The Company also leases certain smaller facilities, warehouses and office space throughout the U.S. and in foreign countries from time to time.

Location

Related Products or Use of Facility

Paperboard Manufacturing Facilities:

East Angus, Québec Kalamazoo, MI Macon, GA Middletown, OH Tama, IA^(a) Texarkana, TX West Monroe, LA

Augusta, GA

	Bleached paperboard
;	Recycled paperboard
	Recycled paperboard
	Unbleached paperboard
	Recycled paperboard
	Recycled paperboard
	Bleached paperboard
	Unbleached paperboard, Research and Development

Other:

Atlanta, GA^(b) Clemson, SC^(b) Concord, NH^(b) Crosby, MN Louisville, CO^(b) Menomonee Falls, WI

Headquarters, Research and Development, Packaging Machinery and Design
Research and Development
Research and Development, Design Center
Packaging Machinery Engineering, Design and Manufacturing
Research and Development
Foodservice Rebuild Center

^(a) Closed in the second quarter of 2023. ^(b) Leased facility.

North American Packaging Facilities:

Auburn, IN^(d) Carol Stream, IL Centralia, IL Charlotte, NC Chicago, IL^(a) Clarksville, TN Cobourg, Ontario^(a) Elgin, IL Elk Grove, IL^{(a)(b)}

Fort Smith, AR^(b) Gordonsville, TN^(a) Grand Rapids, MI

Gresham, OR^(a) Groveport, OH^(a) Hamel, MN Irvine, CA

Kalamazoo, MI Kendallville, IN Kenton, OH Kingston Springs, TN Lancaster, TX Lawrenceburg, TN Lebanon, TN^(a) Lowell, MA Lumberton, NC Marietta, GA Marion, OH Memphis, TN Mississauga, Ontario^{(a)(b)(c)} Mitchell, SD Monroe, LA^(a) Monterrey, Mexico^(a)

New Albany, IN^(b) Newton, IA North Portland, OR Omaha, NE Oroville, CA^(a) Pacific, MO Perry, GA Pineville, NC Pittston, PA

Prosperity, SC Querétaro, Mexico^(a) Randleman, NC

Shelbyville, IL Sioux Falls, SD^{(a)(b)} Solon, OH St.-Hyacinthe, Québec^(a)

St. Paul, MN Staunton, VA Stone Mountain, GA^(a) Sturgis, MI Tijuana, Mexico^(a) Tuscaloosa, AL Valley Forge, PA Vancouver, WA^(a) Visalia, CA Wausau, WI Wayne, NJ West Monroe, LA^(b) Winnipeg, Manitoba Winston Salem, NC Xenia, OH^{(a)(c)}

International Packaging Facilities:

Aachen, Germany Auckland, New Zealand^(a) Augsburg, Germany Bardon, United Kingdom^(b) Bawen, Indonesia Bekasi, Indonesia Berlin, Germany^(b) Bremen, Germany^(b) Bristol, United Kingdom^(e) Cambridge, United Kingdom^(a) Cholet, France^(a) Frankfurt, Germany^(a)

Gateshead, United Kingdom^(a) Graz, Austria Halmstad, Sweden^(a) Hannover, Germany Highbridge, United Kingdom^(a) Hoogerheide, Netherlands Ibadan, Nigeria Igualada, Spain Ingerois, Finland^(a) Jundiai, Sao Paulo, Brazil Kanfanar, Croatia Krakow, Poland Leeds, United Kingdom Lund, Sweden^{(a)(b)} Magdeburg, Germany^(a) Maliaño, Spain Masnières, France^(a) Melbourne, Australia^(a) Munich, Germany^(a) Newcastle Upon Tyne, United Kingdom^(a) Perth, Australia Portlaoise, Ireland^(a)

Poznan, Poland^(b) Requejada, Spain Rotherham, United Kingdom^(a) Sneek, Netherlands

St. Gallen, Switzerland^(a) St. Petersburg, Russia^(d) Sydney, Australia^(a) Tabasalu, Estonia Tibro, Sweden Timashevsk, Russia^(d) Winsford, United Kingdom^(a)

^(a) Leased facility.

^(b) Multiple facilities in this location.

^(c) Closed in the third quarter of 2023.

^(d) Sold in the fourth quarter of 2023.

^(e) Multiple facilities in this location which includes a leased facility and an owned facility.

ITEM 3. 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. See *"Note 14 - Environmental and Legal Matters"* in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

ITEM 4. MINE SAFETY DISCLOSURES

Not Applicable.

EXECUTIVE OFFICERS OF THE REGISTRANT

Pursuant to General Instruction G.(3) of Form 10-K, the following list is included as an unnumbered item in Part I of this Report in lieu of being included in the definitive proxy statement that will be filed within 120 days after December 31, 2023.

Michael P. Doss, 57, is the President and Chief Executive Officer of Graphic Packaging Holding Company. He was elected to the Board of Directors on May 20, 2015. Prior to January 1, 2016, Mr. Doss held the position of President and Chief Operating Officer from May 20, 2015 through December 31, 2015 and Chief Operating Officer from January 1, 2014 until May 19, 2015. Prior to these positions he served as the Executive Vice President, Commercial Operations of Graphic Packaging Holding Company. Prior to this Mr. Doss held the position of Senior Vice President, Consumer Packaging Division. Prior to March 2008, he had served as Senior Vice President, Consumer Products Packaging of Graphic Packaging Corporation since September 2006. From July 2000 until September 2006, he was the Vice President of Operations, Universal Packaging Division. Mr. Doss was Director of Web Systems for the Universal Packaging Division prior to his promotion to Vice President of Operations. Since joining Graphic Packaging International Corporation in 1990, Mr. Doss has held positions of increasing management responsibility, including Plant Manager at the Gordonsville, TN and Wausau, WI plants.

Mr. Doss serves on the Board of Directors for the American Forest & Paper Association, the Sustainable Forest Initiative, the Paper Recycling Coalition, the Atlanta Area Council of the Boy Scouts of America, Metro Atlanta Chamber of Commerce, the Woodruff Art Center, American Bird Conservancy and Regal Rexnord Corporation (RRX).

Stephen R. Scherger, 59, is the Executive Vice President and Chief Financial Officer of Graphic Packaging Holding Company. From October 1, 2014 through December 31, 2014, Mr. Scherger was the Senior Vice President – Finance. From April 2012 through September 2014, Mr. Scherger served as Senior Vice President, Consumer Packaging Division. Mr. Scherger joined Graphic Packaging Holding Company in April of 2012 from MeadWestvaco Corporation, where he served as President, Beverage and Consumer Electronics. Mr. Scherger was with MeadWestvaco Corporation from 1986 to 2012 and held positions including Vice President, Corporate Strategy; Vice President and General Manager, Beverage Packaging; Vice President and Chief Financial Officer, Papers Group, Vice President Asia Pacific and Latin America, Beverage Packaging, Chief Financial Officer Beverage Packaging and other executive-level positions.

Maggie Bidlingmaier, 53, joined Graphic Packaging Holding Company as the Executive Vice President and President, Americas business unit on January 28, 2022. Maggie was most recently President, Performance Solutions for Invista, a subsidiary of Koch Industries, Inc., where she led numerous multimillion-dollar global businesses within the flooring, apparel and airbag fiber segments. Prior to that, she was Vice President, Surfaces at Invista, following a successful career with Avery Dennison in global sales and marketing roles of increasing responsibility.

Michael Farrell, 57, became the Executive Vice President, Mills Division of Graphic Packaging Holding Company in September 2018. Prior to that, he served as the Senior Vice President, Supply Chain from January to September 2018. Prior to January 2018, Mr. Farrell served as Vice President, Recycled Board Mills of Graphic Packaging International, Inc. and its predecessor companies from January 1, 2013; and Senior Manufacturing Manager of Graphic Packaging International, Inc. from October 28, 2009 until December 31, 2012. From December 11, 2008 until October 27, 2009, Mr. Farrell was the Manufacturing Manager of the West Monroe, Louisiana mill and from September 1, 2006 until December 10, 2008 he was the General Manager of the Middletown, Ohio mill.

Elizabeth Spence, 44, is the Executive Vice President, Human Resources. She joined the Company on April 1, 2022. Prior to this she was Vice President and Chief Human Resources Officer at Gypsum Management and Supply, following her role as Vice President of Human Resources at Assurant. Ms. Spence is a seasoned human resources executive, having also spent time at BellSouth/AT&T and The Coca-Cola Company.

Lauren S. Tashma, 57, is the Executive Vice President, General Counsel and Secretary of Graphic Packaging Holding Company. She joined the Company in February 2014. Previously, Ms. Tashma served as Senior Vice President, General Counsel and Secretary of Fortune Brands Home & Security, Inc., where she led the legal, compliance and EHS functions. Prior to that, Ms. Tashma had various roles with Fortune Brands, Inc., including Vice President and Associate General Counsel.

Joseph P. Yost, 56, is the Executive Vice President and President, International of Graphic Packaging Holding Company. Prior to January 5, 2022, he served as Executive Vice President and President, Americas. Prior to January 5, 2017, Mr. Yost served as Senior Vice President, Global Beverage and Europe from September 1, 2015 to January 4, 2017, Senior Vice President, Europe from March 1, 2014 to August 31, 2015 and Senior Vice President, European Chief Integration Officer/ Chief Financial Officer from February 2013 until February 2014. From 2009 until February 2013, Mr. Yost was the Senior Vice President, Supply Chain of Graphic Packaging Holding Company. From 2006 to 2009, he served as Vice President, Operations Support – Consumer Packaging for Graphic Packaging International, Inc. Mr. Yost has also served in the following positions: Director, Finance and Centralized Services from 2003 to 2006 with Graphic Packaging International, Inc. and from 2000 to 2003 with Graphic Packaging Corporation; Manager, Operations Planning and Analysis – Consumer Products Division from 1999 to 2000 with Graphic Packaging Corporation; and other management positions from 1997 to 1999 with Fort James Corporation.

PART II

ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES

GPHC's common stock is traded on the New York Stock Exchange under the symbol "GPK."

On February 20, 2024, there were approximately 911 stockholders of record and approximately 126,193 beneficial holders of GPHC's common stock.

During 2023, 2022 and 2021, GPHC paid cash dividends of \$123 million, \$92 million and \$87 million, respectively. Though the decision to distribute cash dividends rests solely with the Board of Directors, the Company presently intends to maintain a quarterly cash dividend, subject to earnings and liquidity considerations.

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").

On July 27, 2023, the Company's board of directors authorized an additional 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 "2023 share repurchase program"). As of December 31, 2023, the Company had \$565 million available for additional repurchases under the 2023 and 2019 share repurchase programs.

Share repurchases are reflected as a reduction of common stock for the par value of the shares, with any excess of share repurchase price over par value allocated between capital in excess of par value and retained earnings.

The following presents the Company's share repurchases for the years ended December 31, 2023, 2022, and 2021:

Amount repurchased in millions, except share and per share amounts	Amount purchased	Number of Shares Repurchased	Pric	erage ce per nare
2023	\$ 54	2,389,224	\$	22.80
2022	\$ 28	1,315,839	\$	20.91
2021	\$ 		\$	—

2023

On February 7, 2023, Graphic Packaging International, LLC ("GPIL"), a Delaware limited liability company and a direct subsidiary of Graphic Packaging International Partners, LLC ("GPIP"), a Delaware limited liability company and a whollyowned subsidiary of the Company 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) to take effect upon the cessation of the Canadian Dollar Offered Rate for Canadian Dollar borrowings under the domestic revolving credit facility. The Third Amendment also modified the borrowing mechanics for certain term Secured Overnight Financing Rate ("SOFR") loans under the domestic revolving line of credit.

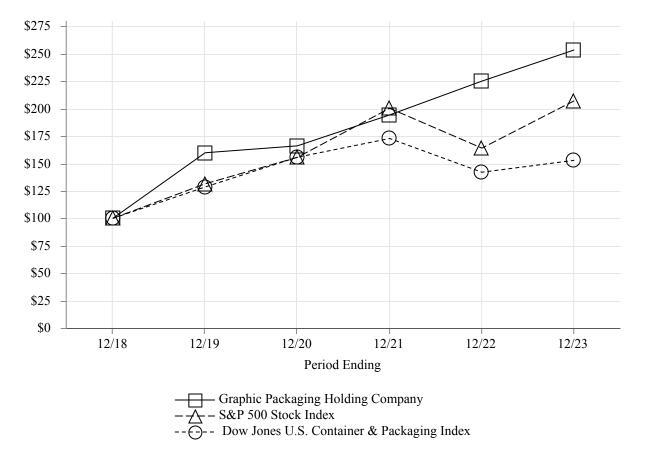
2022

On November 4, 2022, GPIL entered into Amendment No. 2 to the Fourth Amended and Restated Credit Agreement (the "Second Amendment"). The Second Amendment provided for a change in the floating interest rate benchmark for the domestic revolving credit facility and the USD denominated term loans from LIBOR-based to Term SOFR plus 10bps. The Second Amendment also added JSC AR Packaging to the Schedule of Permitted Asset Sales to facilitate the sale of the Company's Russian operations.

On November 15, 2022, the Company drew \$250 million from the senior secured domestic revolving credit facilities and used the proceeds, together with cash on hand, to redeem its 4.875% Senior Notes due in 2022.

Total Return to Stockholders

The following graph compares the total returns (assuming reinvestment of dividends) of the common stock of Graphic Packaging Holding Company, the Standard & Poor's ("S&P") 500 Stock Index and the Dow Jones ("DJ") U.S. Container & Packaging Index. The graph assumes \$100 invested on December 31, 2018 in GPHC's common stock and each of the indices. The stock price performance on the following graph is not necessarily indicative of future stock price performance.



COMPARISON OF 5 YEAR CUMULATIVE TOTAL RETURN

	12/31/2018	12/31/2019	12/31/2020	12/31/2021	12/31/2022	12/31/2023
Graphic Packaging Holding Company	\$ 100.00	\$ 159.82	\$ 166.14	\$ 194.34	\$ 225.18	\$ 253.58
S&P 500 Stock Index	100.00	131.49	155.68	200.37	164.08	207.21
Dow Jones U.S. Container & Packaging Index	100.00	128.59	155.76	172.84	142.07	152.91

ITEM 6. [RESERVED]

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF 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:

- Overview of Business
- Overview of 2023 Results
- Results of Operations
- · Financial Condition, Liquidity and Capital Resources
- Critical Accounting Policies
- New Accounting Standards
- Business Outlook

A detailed discussion of the fiscal 2023 year-over-year changes can be found below and a detailed discussion of fiscal 2022 year-over-year changes can be found in Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2022.

OVERVIEW OF BUSINESS

The Company's objective is to strengthen its position as a leading provider of consumer packaging made from renewable resources. To achieve this objective, the Company designs and delivers sustainable packaging solutions such as cartons, carriers, paperboard canisters, cups and lids preferred by consumers. Packaging offerings include a variety of laminated, coated and printed packaging structures that are produced from the Company's recycled, bleached and unbleached paperboard. 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 paperboard manufacturing and packaging facilities; (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, depreciation expense and labor. Costs increased year over year by \$175 million in 2023. The higher costs in 2023 were due to higher labor and benefits (\$96 million), other costs, net (\$73 million) and commodity inflation costs (\$6 million). Other costs, net include manufacturing supplies, property taxes, worker's compensation costs and other insurance costs. Commodity inflation was primarily due to external board (\$50 million), mill chemicals (\$38 million), factoring (\$36 million), converting chemicals (\$7 million) and other costs (\$15 million) offset by reduced costs for secondary fiber (\$55 million), energy (\$40 million), freight (\$27 million), and wood (\$18 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 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 pandemics or other global health emergencies, or geopolitical conflicts and other social and political unrest or change. 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 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.

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 its 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 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' recycled, bleached and unbleached paperboard, folding box board, and recycled clay-coated news. Additional substitute products also include plastic, shrink film, corrugated containers and reusables. 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, improved circularity, 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. The Company has historically reported net organic sales growth supported by its introduction of new packaging products to meet the consumers' desire for recyclable, sustainable consumer 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 \$5,396 million of outstanding debt obligations as of December 31, 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 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 in 2023 decreased by \$12 million or 0.1%, to \$9,428 million from \$9,440 million in 2022 due to lower organic sales and lower volume of open market sales, partially offset by higher pricing, new product introductions, the acquisition of Bell, and favorable foreign exchange.

• Income from Operations in 2023 increased by \$268 million or 30%, to \$1,174 million from \$906 million in 2022 due to higher pricing, cost savings from continuous improvement and other programs, and new product introductions, partially offset by lower open market volume, lower organic sales, a higher level of maintenance and market downtime, and unfavorable commodity inflation and other inflation (primarily labor and benefits). Income from Operations was also reduced by unfavorable foreign exchange, accelerated depreciation related to the closure of three smaller recycled paperboard manufacturing facilities, charges and accelerated depreciation related to the closures of multiple packaging facilities, charges and accelerated depreciation related to the discontinuation of the Texarkana swing capacity project. Income from Operations also increased due to a reduction in impairment charges in 2023 compared to 2022 related to the sale of its Russian Operations.

Acquisitions and Dispositions

- In January 2023, the Company completed the acquisition of Tama, a recycled paperboard manufacturing facility located in Tama, Iowa, from Greif Packaging LLC for approximately \$100 million. It is reported within the Paperboard Manufacturing reportable segment. Subsequently, in the second quarter of 2023, the Company closed this facility.
- During 2023, the Company decided to close multiple packaging facilities by the end of 2023 and early 2024. Production from these facilities will be consolidated into our existing packaging network.
- On September 8, 2023, the Company completed the acquisition of Bell, adding three packaging facilities in Sioux Falls, South Dakota and Groveport, Ohio for \$264 million. Bell is reported within the Americas Paperboard Packaging reportable segment.
- During the third quarter of 2023, the Company announced its decision to permanently decommission the K3 recycled paperboard machine in Kalamazoo, Michigan as part of its recycled paperboard network optimization plan that the Company initiated in 2019.
- During the third quarter of 2023, the Company decided to discontinue the project in Texarkana to modify an existing paperboard machine to add swing capacity between bleached and unbleached paperboard in order to focus growth investments in the strategic expansion of coated recycled paperboard capacity.
- During 2022, the Company began the process of divesting its interest in its two packaging facilities in Russia (the "Russian Operations"). The assets and liabilities to be disposed of in connection with this transaction met the held for sale criteria as of June 30, 2022 and each subsequent quarter end through the date of sale, resulting in cumulative impairment charges of \$106 million in 2022 and 2023, including \$12 million of goodwill impairment. On November 30, 2023, the Company completed the sale of its Russian Operations.
- In May 2022, the Company closed the Battle Creek, Michigan recycled paperboard manufacturing facility.
- In September 2022, the Company closed its Norwalk, Ohio packaging facility, which it had announced to close in March 2022.

Share Repurchases and Dividends

- On July 27, 2023, the Company's board of directors authorized an additional 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 "2023 share repurchase program"). The previous \$500 million share repurchase program was authorized January 28, 2019 (the "2019 share repurchase program").
- During 2023, the Company repurchased 2,389,224 shares of its common stock at an average price of \$22.80 under the 2019 share repurchase program. As of December 31, 2023, the Company has \$565 million available for additional repurchases under the 2023 and 2019 share repurchase programs.
- During 2023, the Company declared and paid cash dividends of \$123 million.

RESULTS OF OPERATIONS

Year Ended December 31,					
	2023	2022	2021		
\$	9,428 \$	9,440 \$	7,156		
\$	1,174 \$	906 \$	407		
	(3)	7	5		
	(239)	(197)	(123)		
\$	932 \$	716 \$	289		
	(210)	(194)	(74)		
\$	722 \$	522 \$	215		
	1		1		
\$	723 \$	522 \$	216		
	\$	2023 \$ 9,428 \$ \$ 1,174 \$ (3) (239) \$ 932 \$ (210) \$ 722 \$ 1	2023 2022 \$ 9,428 \$ 9,440 \$ \$ 1,174 \$ 906 \$ (3) 7 (239) (197) \$ 932 \$ 716 \$ (210) (194) \$ 722 \$ 522 \$ 1 —		

2023 COMPARED WITH 2022

Net Sales

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

	 Year Ended December 31,											
	 Variances											
In millions	2022		Price	Volur	ne/Mix		eign 1ange		2023	J	Decrease	Percent Change
Consolidated	\$ 9,440	\$	556	\$	(580)	\$	12	\$	9,428	\$	(12)	(0.1)%

The Company's Net Sales in 2023 decreased by \$12 million or 0.1%, to \$9,428 million from \$9,440 million for the same period in 2022, due to lower organic sales and lower volumes of open market sales. Such decrease was partially offset by higher pricing, new product introductions, favorable foreign exchange, primarily the Euro, Mexican Peso, and British Pound, partially offset by the Canadian Dollar and Australian Dollar and the acquisition of Bell in September 2023. Core packaging volumes were lower in beverage, cereal, dry foods, frozen foods, dairy, convenience, and healthcare, partially offset by higher packaging volumes in foodservice, tissue and beauty.

Income from Operations

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

	Year Ended December 31,									
		Variances								
In millions	2022		Price	Volume/ Mix	Inflation	Foreign Exchange	Other ^(a)	2023	Increase	Percent Change
Consolidated	\$ 90	6 \$	556	\$ (204)	\$ (175)	\$ (11)	\$ 102	\$1,174	\$ 268	30 %

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

The Company's Income from Operations for 2023 increased \$268 million or 30%, to \$1,174 million from \$906 million for the same period in 2022 due to higher pricing, cost savings from continuous improvement and other programs and new product introductions. The increase was partially offset by lower open market volume, lower organic sales, unfavorable commodity inflation and other inflation (primarily labor and benefits), higher levels of maintenance and market downtime, unfavorable foreign exchange, accelerated depreciation and charges related to the closure of three smaller recycled paperboard manufacturing facilities (refer to "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data," for additional information), accelerated depreciation, charges related to the Company's decision to decommission its K3 recycled paperboard machine in Kalamazoo, Michigan, and the discontinuation of the Texarkana swing capacity project during the third quarter of 2023. Income from Operations also increased due to a reduction in impairment charges in 2023 compared to 2022 related to the sale of the Company's Russian Operations. Refer to "*Note 19 - Impairment and Divestiture of Russian Business*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplement and Divestiture of Russian Business" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplement and Divestiture of Russian Business" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data," for additional information.

Inflation in 2023 increased due to higher labor and benefits (\$96 million), other costs, net (\$73 million) and commodity inflation costs (\$6 million). Other costs, net include manufacturing supplies, property taxes, worker's compensation costs and other insurance costs. Commodity inflation was primarily due to external board (\$50 million), mill chemicals (\$38 million), factoring (\$36 million), converting chemicals (\$7 million) and other costs (\$15 million), offset by secondary fiber (\$55 million), energy (\$40 million), freight (\$27 million), and wood (\$18 million).

Interest Expense, Net

Interest Expense, Net was \$239 million and \$197 million in 2023 and 2022, respectively. Interest Expense, Net increased due to higher interest rates and higher debt balances. As of December 31, 2023, approximately 20% of the Company's total debt was subject to floating interest rates.

Income Tax Expense

During 2023 and 2022, the Company recognized Income Tax Expense of \$210 million and \$194 million, on Income before Income Taxes of \$932 million and \$716 million, respectively.

The effective tax rate for 2023 was different from the statutory rate primarily due to a decrease in the Company's valuation allowances in Sweden, Norway and the Netherlands of \$22 million, the establishment of a valuation allowance against the net deferred tax assets in Nigeria of \$3 million, as well as tax benefits of \$22 million related to U.S. federal, state and foreign income tax credits.

The effective tax rate for 2022 was different from the statutory rate primarily due to impairment charges from the planned sale of the Company's Russian business that resulted in no corresponding tax benefit in addition to the mix of earnings between foreign and domestic jurisdictions, including those with and without valuation allowances. The Company also recognized \$10 million of tax expense to release the tax expense remaining in Other Comprehensive Income after the settlement of certain swaps during the period, which increased the effective tax rate.

Equity Income of Unconsolidated Entity

Equity Income of Unconsolidated Entity was \$1 million in 2023 and less than \$1 million in 2022 and is related to the Company's equity investment in the Rengo Riverwood Packaging, Ltd. joint venture.

Segment Reporting

The Company has three reportable segments as follows:

Paperboard Manufacturing, previously referred to as the Paperboard Mills reportable segment, includes the seven North American paperboard manufacturing facilities that produce recycled, unbleached and bleached paperboard, 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 Manufacturing segment's 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 Manufacturing segment to reflect the economics of the integration of these segments.

Americas Paperboard Packaging includes paperboard packaging 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 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 paperboard manufacturing 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 in "*Note 1 - Nature of Business and Summary of Significant Accounting Policies*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data."

	Year Ended December 31,									
In millions	 2023	2022	2021							
NET SALES:										
Paperboard Manufacturing	\$ 1,022 \$	1,290 \$	1,007							
Americas Paperboard Packaging	6,200	6,015	4,996							
Europe Paperboard Packaging	2,024	1,973	992							
Corporate/Other/Eliminations ^(a)	182	162	161							
Total	\$ 9,428 \$	9,440 \$	7,156							
INCOME (LOSS) FROM OPERATIONS:										
Paperboard Manufacturing ^{(b)(c)}	\$ (23) \$	45 \$	(10)							
American Department Deckering(c)(d)	1 099	800	156							

Americas Paperboard Packaging ^{(c)(d)}	1,088	800	456
Europe Paperboard Packaging ^{(c)(e)}	127	59	82
Corporate and Other ^(c)	(18)	2	(121)
Total	\$ 1.174 \$	906 \$	407

^(a) Includes revenue from contracts with customers for the Australia and Pacific Rim operating segments.

^(b) Includes accelerated depreciation related to exit activities in 2023, 2022, and 2021. See "*Note 18 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," for further information.
 ^(c) Includes expenses related to business combinations, exit activities and other special charges. See "*Note 1 - General*"

^(c) Includes expenses related to business combinations, exit activities and other special charges. See "*Note 1 - General Information*" in the Notes to Condensed Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," for further information.

^(d) Includes accelerated depreciation related to exit activities in 2023. See "*Note 18 - Exit Activities*" in the Notes to Condensed Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," for further information.

^(e) Includes impairment charges related to Russia. See "*Note 19 - Impairment and Divestiture of Russian Business*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," for further information.

2023 COMPARED WITH 2022

Paperboard Manufacturing

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 and market downtime, accelerated depreciation and charges related to the closure of the three recycled paperboard manufacturing facilities (refer to *"Note 18 - Exit Activities"* in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data," for additional information), other inflation (primarily labor and benefits), accelerated depreciation and charges related to the Company's decision to decommission its K3 recycled paperboard machine, and charges related to the discontinuation of the Texarkana swing capacity project. The decrease was partially offset by higher pricing, productivity improvements, including benefits from capital projects, and commodity deflation, primarily secondary fiber, energy, wood and freight partially offset by chemicals.

Americas Paperboard Packaging

Net Sales increased due to higher pricing and new product introductions driven by conversions to our sustainable consumer packaging solutions and the acquisition of Bell in September 2023, partially offset by lower organic sales. Lower packaging volumes in beverage, cereal, dry foods, frozen foods, and dairy 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 and cost savings from continuous improvement and other programs, partially offset by commodity inflation and other inflation (primarily labor and benefits), higher levels of maintenance and market downtime and charges related to the closures of packaging facilities (refer to "*Note 18 - Exit Activities*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data," for additional information). The commodity inflation was primarily due to higher prices for external board, chemicals, and factoring, partially offset by lower costs for secondary fiber, energy, freight and wood.

Europe Paperboard Packaging

Net Sales increased due to higher pricing, mix, new product introductions driven by conversions to our sustainable consumer packaging solutions and favorable foreign currency exchange, partially offset by lower organic sales in beverage, convenience, healthcare and food partially offset by higher volumes in foodservice and beauty.

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, energy and other inflation (primarily labor and benefits), unfavorable foreign currency exchange and lower organic sales. Income from Operations also increased due to a reduction in impairment charges related to the sale of its Russian operations. Refer to "*Note 19 - Impairment and Divestiture of Russian Business*" in the Notes to Consolidated Financial Statements included herein under "Item 8. Financial Statements and Supplementary Data," 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.

Liquidity and Capital Resources

The Company expects its material cash requirements for the next twelve months will be for: capital expenditures, periodic required income tax payments, periodic interest and debt service payments on associated debt (as discussed in Note 5), lease agreements which have fixed lease payment obligations (as discussed in Note 6), and minimum purchase commitments (as discussed in Note 13) 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 "Notes"), 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 (Income), Net line item in the Consolidated Statement of Operations. The following table summarizes the activity under these programs for the year ended December 31, 2023 and 2022, respectively:

	Year Ended December 31,						
In millions		2023	2022				
Receivables Sold and Derecognized	\$	3,696 \$	3,299				
Proceeds Collected on Behalf of Financial Institutions		3,646	3,179				
Net Proceeds Received from Financial Institutions		28	152				
Deferred Purchase Price at December 31 ^(a)		1					
Pledged Receivables at December 31		150	197				

^(a) Included in Other Current Assets on the 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 consist principally of collection services, were approximately \$770 million and \$753 million as of December 31, 2023 and 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. As of December 31, 2023 and 2022, the Company sold receivables of \$1,136 million and \$1,124 million, respectively, related to 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 the Company 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 Consolidated Balance Sheets and payments made under the SFP program are reflected in Cash Flows from Operating Activities in the Consolidated Statements of Cash Flows.

The rollforwards of the Company's outstanding obligations confirmed as valid under its SFP for the years ended December 31, 2023, and 2022, are as follows:

	 Year Ended December 31,				
In millions	2023	2022			
Confirmed Obligations Outstanding at the Beginning of the Year	\$ 34 \$	26			
Invoices Confirmed During the Year	117	127			
Confirmed Invoices Paid During the Year	(121)	(119)			
Confirmed Obligations Outstanding at the End of the Year	\$ 30 \$	34			

Non-cash additions to Property, Plant and Equipment, Net included within Accounts Payable on the Company's Consolidated Balance Sheets were \$145 million, \$55 million and \$169 million as of December 31, 2023, 2022 and 2021, respectively.

Cash Flows

	 Years Ended December 31,				
In millions	2023	2022			
Net Cash Provided by Operating Activities	\$ 1,144 \$	1,090			
Net Cash Used in Investing Activities	\$ (1,025) \$	(435)			
Net Cash Used in Financing Activities	\$ (106) \$	(666)			

Net cash provided by operating activities in 2023 totaled \$1,144 million, compared to \$1,090 million in 2022. The favorable increase was mainly due to an increase in income from operations, offset by higher levels of working capital. Pension contributions in 2023 and 2022 were \$15 million and \$24 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 in 2023 totaled \$1,025 million, compared to \$435 million in 2022. The Company completed the acquisition of Tama on January 31, 2023 from Greif Packaging LLC for approximately \$100 million. The Company also completed the acquisition of Bell for approximately \$264 million on September 8, 2023 (including cash acquired of \$3 million). For further discussion of the Company's acquired recycled paperboard manufacturing facility and packaging facilities, see "*Note 4 - Business Combinations*" in the Notes to the Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data." Capital spending was \$804 million and \$549 million in 2023 and 2022, respectively. The increase in capital spending was driven by the construction of the new recycled paperboard manufacturing facility in Waco, Texas. For more information on the construction of the new recycled paperboard manufacturing facility in Waco, Texas, refer to the Capital Investment section below. Net cash receipts related to the accounts receivable securitization and sale programs were \$139 million and \$119 million in 2023 and 2022, respectively.

Net cash used in financing activities in 2023 totaled \$106 million compared to \$666 million in 2022. Current year financing activities included borrowings under revolving credit facilities primarily for capital spending, repurchase of common stock of \$54 million and payments on debt of \$26 million. The Company also paid dividends of \$123 million and withheld \$22 million of restricted stock units to satisfy tax withholding obligations related to the payout of restricted stock units. During 2022, the Company also made borrowings under revolving credit facilities primarily for capital spending, repurchase of common stock of \$28 million and payments on debt of \$14 million. As further discussed in "*Note 5 - Debt*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," 2022 activities included the redemption of the 4.875% Senior Notes due 2022 of \$250 million. The Company also paid dividends and distributions of \$92 million and withheld \$18 million of restricted stock units to satisfy tax withholding payments related to the payout of restricted stock units.

Supplemental Guarantor Financial Information

As a result of International Paper Company's final exchange in 2021, the Company currently owns 100% of the outstanding interests in GPIP. GPIP continued to be treated as a partnership for U.S. federal and state income tax purposes despite IP's exit as a minority partner until September 1, 2022, when, due to an internal restructuring, GPIP became a single member limited liability company, terminating the partnership for income tax purposes. Therefore, GPIL is no longer subject to separate SEC filing requirements. As such, the Company has included Supplemental Guarantor disclosures herein that were previously included in the GPIL SEC filings.

As discussed in "*Note 5 - Debt*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data," 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 the issuer 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.

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	Twelve Months E	nded December 31, 2023
SUMMARIZED STATEMENTS OF OPERATIONS		
Net Sales ^(a)	\$	7,166
Cost of Sales		5,458
Income from Operations		1,032
Net Income		631

^(a) Includes Net Sales to Nonguarantor Subsidiaries of \$520 million.

In millions	Decem	December 31, 2023			
SUMMARIZED BALANCE SHEET					
Current assets (excluding intercompany receivable from Nonguarantor)	\$	1,612			
Noncurrent assets		6,463			
Intercompany receivables from Nonguarantors		1,300			
Current liabilities		2,067			
Noncurrent liabilities		5,478			

Covenant Restrictions

Covenants contained in the Current Credit Agreement and the Indentures may, among other things, limit the Company's ability to incur additional indebtedness, 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, as well as 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 requires that the Company maintain a maximum Consolidated Total Leverage Ratio of less than 4.25 to 1.00. At December 31, 2023, the Company was in compliance with such covenant and the ratio was 2.58 to 1.00.

The Company must also comply with a minimum Consolidated Interest Expense Ratio of 3.00 to 1.00. At December 31, 2023, the Company was in compliance with such covenant and the ratio was 7.96 to 1.00.

As of December 31, 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 2023 were \$885 million (\$804 million was paid), compared to \$430 million (\$549 million was paid) in 2022. During 2023, the Company had capital spending of \$838 million for adding capacity and improving process capabilities, \$24 million for capital spares and \$23 million for manufacturing packaging machinery. The increase is primarily driven by the ongoing construction of the Company's new recycled paperboard manufacturing facility in Waco, Texas. For further discussion of the Company's new recycled paperboard manufacturing facility and continued investments made as part of the integration of acquisitions, see "*Note 18 - Exit Activities*" in the Notes to the Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data." In 2022, the capital investments were primarily due to planned asset upgrades at the U.S.-based paperboard manufacturing facilities, including the now completed recycled paperboard 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. Capitalized interest was \$8 million and \$5 million as of December 31, 2023 and 2022, respectively.

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 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 14 - Environmental and Legal Matters*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

International Operations

The Company has packaging facilities and one paperboard manufacturing facility in 20 countries outside of the U.S. and sells its products worldwide. For 2023, before intercompany eliminations, net sales from operations outside of the U.S. represented approximately 30% of the Company's net sales. The Company's revenues from export sales fluctuate with changes in foreign currency exchange rates. In addition, at December 31, 2023, approximately 27% of the Company's total assets were denominated in currencies other than the U.S. dollar. The Company has significant operations in countries that use the Euro, British pound sterling, Swedish krona, Polish zloty, the Australian dollar, the Canadian dollar, the Mexico peso or the Japanese yen as their functional currencies. The effect of changes in the U.S. dollar exchange rate against these currencies produced a net currency translation adjustment loss of \$65 million, which was recorded in Other Comprehensive (Loss) Income for the year ended December 31, 2023. The magnitude and direction of this adjustment in the future depends on the relationship of the U.S. dollar to other currencies. The Company pursues a currency hedging program in order to reduce the impact of foreign currency exchange fluctuations on financial results. See "Financial Instruments" below.

Financial Instruments

The Company pursues a currency hedging program which utilizes derivatives to reduce the impact of foreign currency exchange fluctuations on its consolidated financial results. Under this program, the Company has previously entered into forward exchange contracts in the normal course of business to hedge certain foreign currency denominated transactions. Realized and unrealized gains and losses on these forward contracts are included in the measurement of the basis of the related foreign currency transaction when recorded. The Company also pursues a hedging program that utilizes derivatives designed to manage risks associated with future variability in cash flows and price risk related to future energy cost increases. Under this program, the Company has entered into natural gas swap contracts to hedge a portion of its forecasted natural gas usage for 2024. Realized gains and losses on these contracts are included in the financial results concurrently with the recognition of the commodity consumed. In addition, 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 facility. The Company does not hold or issue financial instruments for trading purposes. See "Item 7A., Quantitative and Qualitative Disclosure About Market Risk."

Off-Balance Sheet Arrangements

The Company does not have any off-balance sheet arrangements.

CRITICAL ACCOUNTING JUDGEMENTS AND ESTIMATES

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 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 critical judgments by management relate to acquisitions, future cash flows associated with impairment testing for goodwill and long-lived assets, and deferred income taxes.

Acquisitions

The Company uses the acquisition method of accounting for acquired businesses. Under the acquisition method of accounting, the Company allocated the purchase consideration to the tangible and intangible assets acquired and liabilities assumed based on their estimated fair values on the date of the acquisition. Any excess of the purchase price over the estimated fair values of the identifiable net assets acquired is recorded as goodwill. Any excess of the estimated fair values of the identifiable net assets over the purchase price is recorded as a gain on bargain purchase. The estimates used to determine the fair value of long-lived assets, such as intangible assets, can be complex and require significant judgments. Therefore, we use information available to us to make fair value determinations and often engage independent valuation specialists, when necessary, to assist in the fair value determination of significant, acquired long-lived assets. The determination of fair value requires estimates about discount rates, growth and retention rates, royalty rates, expected future cash flows and other future events that are judgmental in nature. While we use our best estimates and assumptions as a part of the purchase price allocation process, our estimates are inherently uncertain and subject to refinement. As a result, during the measurement period, which may be up to one year from the acquisition date, we are permitted to record adjustments to the assets acquired and liabilities assumed, with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the values of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our consolidated statements of income. The Company is also required to estimate the useful lives of intangible assets to determine the amount of acquisition-related intangible asset amortization expense to record in future periods. Such useful lives are determined based upon the expected period of future cash flows to be generated by the intangible asset. The Company periodically reviews the estimated useful lives assigned to our intangible assets to determine whether such estimated useful lives continue to be appropriate.

On November 1, 2021, the Company completed its acquisition of AR Packaging (the "AR Transaction"), through the acquisition of all of the shares of AR Packaging for cash of \$1,412 million, net of cash acquired of \$75 million. AR Packaging's results of operations have been included in the Company's financial results since the acquisition date. The Company allocated the fair value of purchase consideration transferred to the tangible and intangible assets acquired and liabilities assumed based on their estimated fair values on the date of the acquisition. The Company identified that the acquired assets included customer relationships, which were assigned a fair value of \$439 million using a discounted cash flow analysis. During the fourth quarter of 2022, the Company finalized acquisition accounting, which resulted in a decrease of \$38 million to customer relationships. Significant assumptions in valuing this asset included the discount rate, annual revenue growth rates, customer attrition rates, projected operating expenses, projected earnings before interest, taxes, depreciation, and amortization ("EBITDA") margins, tax rate, depreciation, contributory asset charge, and future earnings projections among others. The Company believes the estimates applied to be based on reasonable assumptions, but which are inherently uncertain. As a result, actual results may differ from the assumptions and judgments used to determine fair value of the assets acquired, which could result in material impairment losses in the future. Additional information regarding our acquisitions is included in "*Note 4 - Business Combinations*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

Goodwill

The Company evaluates goodwill for potential impairment annually as of October 1, as well as whenever events or changes in circumstances suggest that the fair value of a reporting unit may no longer exceed its carrying amount. Potential impairment of goodwill is measured at the reporting unit level by comparing the reporting unit's carrying amount, including goodwill, to the estimated fair value of the reporting unit. As of October 1, 2023, the Company had seven reporting units, five of which had goodwill.

Periodically, the Company may perform a qualitative impairment analysis of goodwill associated with each of its reporting units to determine if it is more likely than not that the carrying value of a reporting unit exceeded its fair value. If the results of the qualitative analysis of any of the reporting units is inconclusive, or if significant changes in the business have occurred since the last quantitative impairment assessment, the Company will perform a quantitative analysis for those reporting units.

As of October 1, 2023, the Company performed a quantitative impairment test. The quantitative analysis involves calculating the fair value of each reporting unit by utilizing a discounted cash flow analysis based on the Company's business plans, discounted using a weighted average cost of capital and market indicators of terminal year cash flows based upon a multiple of earnings before interest, taxes, depreciation and amortization ("EBITDA").

Estimating the fair value of the reporting unit involves uncertainties as it requires management to consider a number of factors, including but not limited to, future operating results, business plans, economic projections of revenues and operating margins, estimated future cash flows, and market data and analysis, including market capitalization. Fair value determinations are sensitive to changes in the factors described above. There are inherent uncertainties related to these factors and judgments used to estimate reporting unit fair value and the related analysis of potential goodwill impairment.

The variability of the assumptions that management uses to perform the goodwill impairment test depends on a number of conditions, including uncertainty about future events and cash flows. Accordingly, the Company's accounting estimates may materially change from period to period due to changing market factors. If the Company had used other assumptions and estimates or if different conditions occur in future periods, future operating results and cash flows could be materially impacted, and judgments and conclusions about the recoverability of goodwill could change. The assumptions used in the goodwill impairment testing process could also be adversely impacted by certain of the risks discussed in "Item 1A., Risk Factors" and thus could result in future goodwill impairment charges.

The Company performed its annual goodwill impairment tests as of October 1, 2023. The Company concluded that all reporting units with goodwill have a fair value that exceeded their carrying value, and thus goodwill was not impaired. The discount rate used for each reporting unit ranged from 8% to 9%, and we utilized a transaction multiple of 8.0 times to calculate terminal period cash flows. The Europe reporting unit had a fair value that exceeded its respective carrying value by 26%, whereas all other reporting units exceeded by more than 90%. If we had concluded that it was appropriate to increase the discount rate we used by 100 basis points to estimate the fair value of our respective reporting units, the fair value of each reporting unit would have continued to exceed its carrying amount. The Europe reporting unit had goodwill totaling \$462 million. The Company does not believe it is likely that there will be material changes in the assumptions or estimates used to calculate the reporting unit fair values.

Recovery of Long-Lived Assets

The Company evaluates the recovery of its long-lived assets by analyzing operating results and considering significant events or changes in the business environment that may have triggered impairment. The Company reviews long-lived assets (including property, plant and equipment and intangible assets) for impairment whenever events or changes in circumstances indicate that the carrying amount of such long-lived assets may not be fully recoverable by undiscounted cash flows. Measurement of the impairment loss, if any, is based on the fair value of the asset, which is determined by an income, cost or market approach.

Deferred Income Taxes and Potential Assessments

According to the Income Taxes topic of the FASB Codification, a valuation allowance is required to be established or maintained when, based on currently available information and other factors, it is more likely than not that all or a portion of a deferred tax asset will not be realized. The FASB Codification provides important factors in determining whether a deferred tax asset will be realized, including whether there has been sufficient taxable income in recent years and whether sufficient income can reasonably be expected in future years in order to utilize the deferred tax asset. The Company has evaluated the need to maintain a valuation allowance for deferred tax assets based on its assessment of whether it is more likely than not that deferred tax benefits would be realized through the generation of future taxable income. Appropriate consideration was given to all available evidence, both positive and negative, in assessing the need for a valuation allowance. In determining whether a valuation allowance is required, many factors are considered, including the specific taxing jurisdiction, the carryforward period, reversals of existing taxable temporary differences, cumulative pretax book earnings, income tax strategies and forecasted earnings for the entities in each jurisdiction.

As of December 31, 2023, the Company has a valuation allowance of \$37 million against its net deferred tax assets in certain foreign jurisdictions and against domestic deferred tax assets related to certain federal tax credit carryforwards. As of December 31, 2022, a total valuation allowance of \$57 million was recorded.

As of December 31, 2023, the Company has provided for deferred U.S. income taxes attributable to future withholding tax expense related to the Company's equity investment in the joint venture, Rengo Riverwood Packaging, Ltd. In addition, the Company provided deferred income taxes for future Canadian withholding tax to the extent of excess cash available for distribution after consideration of working capital needs and other debt settlement of its Canadian subsidiary, Graphic Packaging International Canada, ULC. The Company continues to assert that it is permanently reinvested in the cumulative earnings of its Canadian subsidiary in excess of the amount of cash that is on hand and available for distribution after consideration of working capital needs and other debt settlement. The Company determined that no deferred tax liability should be recorded related to the outside basis difference of its Canadian subsidiary as of December 31, 2023.

The Company has not provided for deferred U.S. income taxes on outside basis differences of approximately \$92 million in its other international subsidiaries because of the Company's intention to indefinitely reinvest its earnings outside the U.S. The determination of the amount of the unrecognized deferred income tax liability (primarily withholding tax in certain jurisdictions) on the unremitted earnings or any other associated outside basis differences is not practicable because of the complexities associated with the calculation.

The Company has elected to recognize global intangible low-taxed income ("GILTI") as a period cost as incurred, therefore there are no deferred taxes recognized for basis differences that are expected to impact the amount of the GILTI inclusion upon reversal.

NEW ACCOUNTING STANDARDS

For a discussion of recent accounting pronouncements impacting the Company, see "*Note 1 - Nature of Business and Summary of Significant Accounting Policies*" in the Notes to Consolidated Financial Statements included herein under "Item 8., Financial Statements and Supplementary Data."

BUSINESS OUTLOOK

Total capital investment for 2024 is expected to be approximately \$950 million.

The Company also expects the following in 2024:

- Depreciation and amortization expense between \$590 million and \$610 million.
- Pension plan contributions between \$10 million and \$20 million.

ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK

The Company does not trade or use derivative instruments with the objective of earning financial gains on interest or currency rates, nor does it use leveraged instruments or instruments where there are no underlying exposures identified.

Interest Rates

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 swaps to manage interest rate risks on future interest payments caused by interest rate changes on its variable rate term loan facilities. At December 31, 2023, the Company had active interest rate swap agreements with a notional amount of \$750 million expiring in April 2024.

The table below sets forth interest rate sensitivity information related to the Company's debt.

Long-Term Debt Principal Amount by Maturity-Average Interest Rate										
]	Expected M	laturity Dat	te		-			
In millions	2024	2025	2026	2027	2028	Thereafter		Total	Fa	ir Value
Total Debt										
Fixed Rate	\$719	\$27	\$960	\$300	\$1,125	\$1,071	\$	4,202	\$	4,036
Average Interest Rate	2.34%	7.60%	4.05%	4.75%	3.87%	3.33%				
Variable Rate	\$20	\$16	\$978	\$ —	\$ —	\$1	\$	1,015	\$	1,003
	SOFR+S pread	SOFR+ Spread	SOFR+ Spread	SOFR+ Spread	SOFR+ Spread	SOFR+ Spread				

Net Investment Hedge

On October 29, 2021 and November 19, 2021, the Company drew the full amount of the \notin 210 million delayed draw term loan facility and completed a private offering of \notin 290 million aggregate principal amount of the 2.625% senior unsecured notes due 2029, respectively. The Company designated this Euro-denominated debt as a non-derivative net investment hedge of a portion of our net investment in Euro functional currency denominated subsidiaries to offset currency fluctuations.

Derivatives not Designated as Hedges

The Company enters into forward exchange contracts to effectively hedge substantially all receivables resulting from transactions denominated in foreign currencies. The purpose of these forward exchange contracts is to protect the Company from the risk that the eventual functional currency cash flows resulting from the collection of these receivables will be adversely affected by changes in exchange rates. At December 31, 2023, multiple foreign currency forward exchange contracts existed, with maturities ranging up to three months. Those forward currency exchange contracts outstanding at December 31, 2023, when aggregated and measured in U.S. dollars at December 31, 2023 contractual rates, had net notional amounts totaling \$131 million. The Company continuously monitors these forward exchange contracts and adjusts accordingly to minimize the exposure.

Deal Contingent Hedge

On May 14, 2021, in connection with the AR Packaging acquisition, the Company entered into deal contingent foreign exchange forward contracts, with no upfront cash cost, to hedge \in 700 million of the acquisition price. These forward contracts settled October 29, 2021, immediately prior to the acquisition of AR Packaging and are accounted for as derivatives under ASC 815, Derivatives and Hedging. Realized losses of \$48 million for the year ended December 31, 2021 resulting from these contracts are recognized in Business Combinations, Exit Activities and Other Special Charges, Net in the Consolidated Statements of Operations. For more information, see "*Note 1 - General Information*" of the Company's 2021 Annual Report on Form 10-K for the year ended December 31, 2021.

Natural Gas Contracts

The Company has hedged a portion of its expected natural gas usage for 2024. The carrying value and fair value of the natural gas swap contracts is a net liability of \$7 million as of December 31, 2023. Such contracts are designated as cash flow hedges and are accounted for by deferring the quarterly change in fair value of the outstanding contracts in Accumulated Other Comprehensive Loss in Shareholders' Equity. The resulting gain or loss is reclassified into Cost of Sales concurrently with the recognition of the commodity consumed.

ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

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GRAPHIC PACKAGING HOLDING COMPANY CONSOLIDATED STATEMENTS OF OPERATIONS

	Year Ended December 31					31,
In millions, except per share amounts	2023			2022		2021
Net Sales	\$	9,428	\$	9,440	\$	7,156
Cost of Sales		7,311		7,610		6,085
Selling, General and Administrative		805		774		528
Other Expense (Income), Net		64		19		(2)
Business Combinations, Exit Activities and Other Special Charges, Net		74		131		138
Income from Operations		1,174		906		407
Nonoperating Pension and Postretirement Benefit (Expense) Income		(3)		7		5
Interest Expense, Net		(239)		(197)		(123)
Income before Income Taxes and Equity Income of Unconsolidated Entity		932		716		289
Income Tax Expense		(210)		(194)		(74)
Income before Equity Income of Unconsolidated Entity		722		522		215
Equity Income of Unconsolidated Entity		1		—		1
Net Income	\$	723	\$	522	\$	216
Net Income Attributable to Noncontrolling Interest		—		—		(12)
Net Income Attributable to Graphic Packaging Holding Company	\$	723	\$	522	\$	204
Net Income Per Share Attributable to Graphic Packaging Holding Company — Basic	\$	2.35	\$	1.69	\$	0.69
Net Income Per Share Attributable to Graphic Packaging Holding Company — Diluted	\$	2.34	\$	1.69	\$	0.68

GRAPHIC PACKAGING HOLDING COMPANY CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

	2023			
In millions			ontrolling terest	Total
Net Income	\$	723 \$	— \$	723
Other Comprehensive Income (Loss), Net of Tax				
Derivative Instruments		3	_	3
Pension and Postretirement Benefit Plans		(4)	—	(4)
Currency Translation Adjustment		65		65
Total Other Comprehensive Income, Net of Tax		64	—	64
Total Comprehensive Income	\$	787 \$	— \$	787
Year En	ded December 3	l,		
	2022			
Net Income	\$	522 \$	— \$	522
Other Comprehensive Income (Loss), Net of Tax:				
Derivative Instruments		4	—	4
Pension and Postretirement Benefit Plans		(9)	—	(9)
Currency Translation Adjustment		(148)	(1)	(149)
Total Other Comprehensive Loss, Net of Tax		(153)	(1)	(154)
Total Comprehensive Income (Loss)	\$	369 \$	(1) \$	368
Year En	ded December 3	١,		
	2021			
Net Income	\$	204 \$	12 \$	216
Other Comprehensive Income (Loss), Net of Tax:				
Derivative Instruments		5	1	6
Pension and Postretirement Benefit Plans		45	_	45
Currency Translation Adjustment		(28)	_	(28)
Total Other Comprehensive Income, Net of Tax		22	1	23
Total Comprehensive Income	\$	226 \$	13 \$	239

GRAPHIC PACKAGING HOLDING COMPANY CONSOLIDATED BALANCE SHEETS

		December	ber 31,		
In millions, except share and per share amounts		2023	2022		
ASSETS					
Current Assets:					
Cash and Cash Equivalents	\$	162 \$	150		
Receivables, Net		835	879		
Inventories, Net		1,754	1,606		
Other Current Assets		94	71		
Total Current Assets		2,845	2,706		
Property, Plant and Equipment, Net		4,992	4,579		
Goodwill		2,103	1,979		
Intangible Assets, Net		820	717		
Other Assets		415	347		
Total Assets	\$	11,175 \$	10,328		
LIABILITIES					
Current Liabilities:					
Short-Term Debt and Current Portion of Long-Term Debt	\$	764 \$	53		
Accounts Payable	+	1,094	1,123		
Compensation and Employee Benefits		273	295		
Interest Payable		63	51		
Other Accrued Liabilities		395	411		
Total Current Liabilities		2,589	1,933		
Long-Term Debt		4,609	5,200		
Deferred Income Tax Liabilities		731	668		
Accrued Pension and Postretirement Benefits		104	111		
Other Noncurrent Liabilities		360	266		
Other Noncurrent Liabilities		300	200		
Commitments (Note 13)					
SHAREHOLDERS' EQUITY					
Preferred Stock, par value \$.01 per share; 100,000,000 shares authorized; no shares issued or outstanding			_		
Common Stock, par value \$.01 per share; 1,000,000,000 shares authorized; 306,058,815 and 307,116,089 shares issued and outstanding at December 31, 2023 and December 31, 2022, respectively		3	3		
Capital in Excess of Par Value		2,062	2,054		
Retained Earnings		1,029	469		
Accumulated Other Comprehensive Loss		(313)	(377)		
Total Graphic Packaging Holding Company Shareholders' Equity		2,781	2,149		
Noncontrolling Interest		2,781	2,149		
		2,782	2,150		
Total Equity Total Liabilities and Shaveholdows' Equity	¢				
Total Liabilities and Shareholders' Equity	\$	11,175 \$	10,328		

GRAPHIC PACKAGING HOLDING COMPANY CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY

			(Accumulated Deficit) Retained	Other Comprehensive	Noncontrolling		
In millions, except share amounts	Shares	Amount	Value	Earnings	(Loss) Income	Interests	Total Equity
Balances at December 31, 2020	267,726,373	5 3	\$ 1,715	\$ (48)	\$ (246)	\$ 416 \$	§ 1,840
Net Income	—	—	—	204	—	12	216
Distribution of Membership Interest	—	_	—	—	—	(6)	(6)
Other Comprehensive Income (Loss), Net of Tax:							
Derivative Instruments	—	_	—	—	5	1	6
Pension and Postretirement Benefit Plans	—	—	—	—	45	—	45
Currency Translation Adjustment	—	_	—	—	(28)	—	(28)
Redemption of IP's Ownership Interest	38,080,072	_	319	—		(423)	(104)
Dividends Declared		_	_	(90)		—	(90)
Investment in Subsidiaries	_	_	—	—		2	2
Recognition of Stock-Based Compensation	_	_	12	_	_	_	12
Issuance of Shares for Stock-Based Awards	1,297,106	—	—	_	—	_	
Balances at December 31, 2021	307,103,551	5 3	\$ 2,046	\$ 66	\$ (224)	\$ 2 5	5 1,893
Net Income	_	_	—	522	—	_	522
Other Comprehensive Income (Loss), Net of Tax:							
Derivative Instruments	_	_	—	—	4	—	4
Pension and Postretirement Benefit Plans		_	_	—	(9)	—	(9)
Currency Translation Adjustment	_	_	—	—	(148)	(1)	(149)
Repurchase of Common Stock	(1,315,839)	_	(8)	(20)		—	(28)
Dividends Declared	_	_	—	(99)		—	(99)
Recognition of Stock-Based Compensation		_	16	—		—	16
Issuance of Shares for Stock-Based Awards	1,328,377	—	—	—	—	—	_
Balances at December 31, 2022	307,116,089	\$ 3	\$ 2,054	\$ 469	\$ (377)	\$15	\$ 2,150
Net Income	_	_	—	723		—	723
Other Comprehensive Income (Loss), Net of Tax:							
Derivative Instruments	_	_	—	_	3	_	3
Pension and Postretirement Benefit Plans	_	_	_	_	(4)	_	(4)
Currency Translation Adjustment	_	_	—	_	65	_	65
Repurchase of Common Stock	(2,389,224)	_	(14)	(40)	_	_	(54)
Dividends Declared	_	_		(123)	_	_	(123)
Recognition of Stock-Based Compensation	_	_	22	_	_	_	22
Issuance of Shares for Stock-Based Awards	1,331,950						
Balances at December 31, 2023	306,058,815	5 3	\$ 2,062	\$ 1,029	\$ (313)	\$15	§ 2,782

GRAPHIC PACKAGING HOLDING COMPANY CONSOLIDATED STATEMENTS OF CASH FLOWS

		l,		
In millions		2023	2022	2021
CASH FLOWS FROM OPERATING ACTIVITIES:				
Net Income	\$	723 \$	522 \$	216
Adjustments to Reconcile Net Income to Net Cash Provided by (Used in) Operating Activities:				
Depreciation and Amortization		619	553	489
Amortization of Deferred Debt Issuance Costs		6	9	9
Deferred Income Taxes		22	131	55
Amount of Postretirement Expense Less Than Funding		(5)	(18)	(24)
Asset Impairment Charges		29	96	_
Other, Net		58	15	93
Changes in Operating Assets and Liabilities, Net of Acquisitions (See Note 4)		(308)	(218)	(229)
Net Cash Provided by Operating Activities		1,144	1,090	609
CASH FLOWS FROM INVESTING ACTIVITIES:				
Capital Spending		(781)	(522)	(775)
Packaging Machinery Spending		(23)	(27)	(27)
Acquisition of Businesses, Net of Cash Acquired		(361)	_	(1,704)
Beneficial Interest on Sold Receivables		184	125	130
Beneficial Interest Obtained in Exchange for Proceeds		(45)	(6)	(11)
Other, Net		1	(5)	(5)
Net Cash Used in Investing Activities		(1,025)	(435)	(2,392)
CASH FLOWS FROM FINANCING ACTIVITIES:				
Repurchase of Common Stock		(54)	(28)	_
Payments on Debt		(26)	(14)	(16)
Proceeds from Issuance of Debt		_	—	2,965
Retirement of Long-Term Debt		—	(250)	(1,626)
Redemption of Noncontrolling Interest		—	—	(150)
Borrowings under Revolving Credit Facilities		4,449	3,929	4,485
Payments on Revolving Credit Facilities		(4,314)	(4,195)	(3,649)
IP Tax Receivable Agreement Payment		—	—	(109)
Debt Issuance Costs		—	—	(27)
Repurchase of Common Stock related to Share-Based Payments		(22)	(18)	(15)
Dividends paid to shareholders and Distributions paid to GPIP Partner		(123)	(92)	(92)
Other, Net		(16)	2	12
Net Cash (Used in) Provided by Financing Activities		(106)	(666)	1,778
Increase (Decrease) in cash and cash equivalents, including cash classified within assets held for sale		13	(11)	(5)
Less Cash reclassified to Assets Held for Sale		—	5	—
Effect of Exchange Rate Changes on Cash		(1)	(6)	(2)
Net Increase (Decrease) in Cash and Cash Equivalents		12	(22)	(7)
Cash and Cash Equivalents at Beginning of Year		150	172	179
Cash and Cash Equivalents at End of Year	\$	162 \$	150 \$	172
Non-cash Investing Activities:				
Beneficial Interest Obtained in Exchange for Trade Receivables	\$	141 \$	118 \$	121
Right-of-Use Assets Obtained in Exchange for New Operating Lease Liabilities	\$	70 \$	52 \$	118
Non-cash Financing Activities:				
Right-of-Use Assets Obtained in Exchange for New Finance Lease Liabilities	\$	— \$	42 \$	11
Non-cash Exchange of Stock Issuance for Redemption of Noncontrolling Interest	\$	— \$	— \$	(652)

NOTE 1. NATURE OF BUSINESS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

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 sustainable consumer packaging provider, operates on a global basis, is one of the largest producers of cartons and containers for the packaging of consumer goods and paperboard-based foodservice packaging solutions in the United States ("U.S.") and Europe, and holds leading market positions in paperboard used to produce consumer packaging solutions, including recycled, unbleached and bleached paperboard.

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 innovative paperboard packaging solutions preferred by consumers. The Company delivers marketing and performance benefits to its customers through its global packaging network, its proprietary carton and packaging designs, and its commitment to quality, service, and environmental stewardship.

Basis of Presentation and Principles of Consolidation

The Company's 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.

The Company is a party to a Japanese joint venture, Rengo Riverwood Packaging, Ltd. in which it holds a 50% ownership interest that is accounted for using the equity method.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States ("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 periods. Actual results could differ from these estimates, and changes in these estimates are recorded when known. Estimates are used in accounting for, among other things, pension benefits, retained insurable risks, slow-moving and obsolete inventory, allowance for doubtful accounts, useful lives for depreciation and amortization, impairment testing of goodwill and long-lived assets, fair values related to acquisition accounting, fair value of derivative financial instruments, share based compensation, deferred income tax assets and potential income tax assessments, and loss contingencies.

Cash and Cash Equivalents

Cash and cash equivalents include bank deposits and other marketable securities that are highly liquid with maturities of three months or less.

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 included in Other Expense (Income), Net in the Consolidated Statements of Operations. The following table summarizes the activity under these programs for the year ended December 31, 2023 and 2022, respectively:

	Year Ended December 31,						
In millions		2023	2022				
Receivables Sold and Derecognized	\$	3,696 \$	3,299				
Proceeds Collected on Behalf of Financial Institutions		3,646	3,179				
Net Proceeds Received from Financial Institutions		28	152				
Deferred Purchase Price at December 31 ^(a)		1					
Pledged Receivables at December 31		150	197				

^(a) Included in Other Current Assets on the 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 consist principally of collection services, were \$770 million and \$753 million as of December 31, 2023 and 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. As of December 31, 2023 and 2022, the Company sold receivables of \$1,136 million and \$1,124 million, respectively, related to 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 Consolidated Balance Sheets and payments made under the SFP program are reflected in Cash Flows from Operating Activities in the Consolidated Statements of Cash Flows.

The rollforward of the Company's outstanding obligations confirmed as valid under its supplier finance program for the years ended December 31, 2023 and 2022 are as follows:

	Year Ended December 31,						
In millions		2023	2022				
Confirmed Obligations Outstanding at the Beginning of the Year	\$	34 \$	26				
Invoices Confirmed During the Year		117	127				
Confirmed Invoices Paid During the Year		(121)	(119)				
Confirmed Obligations Outstanding at the End of the Year	\$	30 \$	34				

Non-cash additions to Property, Plant and Equipment, Net included within Accounts Payable on the Consolidated Balance Sheets were \$145 million, \$55 million, and \$169 million as of December 31, 2023, 2022 and 2021, respectively.

Concentration of Credit Risk

The Company's cash, cash equivalents, and accounts receivable are potentially subject to concentration of credit risk. Cash and cash equivalents are placed with financial institutions that management believes are of high credit quality. Accounts receivable are derived from revenue earned from customers located in the U.S. and internationally and generally do not require collateral. For the years ended December 31, 2023, 2022, and 2021, no customer accounted for more than 10% of net sales.

Inventories

Inventories are stated at the lower of cost and net realizable value with cost determined based on standard (which approximates actual), average or actual cost. Work in progress and finished goods inventories are valued at the cost of raw material consumed plus direct manufacturing costs (such as labor, utilities and supplies) as incurred and an applicable portion of manufacturing overhead. Inventories are stated net of an allowance for slow-moving and obsolete inventory.

Property, Plant and Equipment

Property, plant and equipment are recorded at cost. Betterments, renewals and extraordinary repairs that extend the life of the asset are capitalized; other repairs and maintenance charges are expensed as incurred. The Company's cost and related accumulated depreciation applicable to assets retired or sold are removed from the accounts and the gain or loss on disposition is included in income from operations.

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. Capitalized interest was \$8 million, \$5 million and \$14 million for the years ended December 31, 2023, 2022 and 2021, respectively.

The Company assesses its long-lived assets, including certain identifiable intangibles, for impairment whenever events or circumstances indicate that the carrying value of an asset may not be recoverable. To analyze recoverability, the Company projects future cash flows, undiscounted and before interest, over the remaining life of such assets. If these projected cash flows are less than the carrying amount, an impairment would be recognized, resulting in a write-down of assets with a corresponding charge to earnings. The impairment loss is measured based upon the difference between the carrying amount and the fair value of the assets. The Company assesses the appropriateness of the useful life of its long-lived assets periodically.

Depreciation and Amortization

Depreciation is computed using the straight-line method based on the following estimated useful lives of the related assets:

Buildings	40 years
Land improvements	15 years
Machinery and equipment	3 to 40 years
Furniture and fixtures	10 years
Automobiles, trucks and tractors	3 to 5 years

Depreciation expense, including the depreciation expense of assets under finance leases, for 2023, 2022 and 2021 was \$528 million, \$463 million and \$420 million, respectively.

Intangible Assets

Intangible assets with a determinable life are amortized on a straight-line or accelerated basis over their useful lives. The amortization expense for each intangible asset is recorded in the Consolidated Statements of Operations according to the nature of that asset.

Goodwill is the Company's only intangible asset not subject to amortization. The following table displays the intangible assets that continue to be subject to amortization and accumulated amortization expense as of December 31, 2023 and 2022:

	 D	ecen	nber 31, 2023	 Ι	022		
In millions	Gross Carrying Amount		ccumulated mortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	
Amortizable Intangible Assets:							
Customer Relationships ^(a)	\$ 1,574	\$	(796)	\$ 778	\$ 1,382	\$ (706) \$ 676
Non-Compete Agreements ^(a)	3		_	3			·
Patents, Trademarks, Licenses, Leases and Developed Technology	157		(118)	39	152	(111) 41
Total	\$ 1,734	\$	(914)	\$ 820	\$ 1,534	\$ (817) \$ 717

^(a) Please see "*Note 4 - Business Combinations*" for the intangibles acquired with the Tama Paperboard, LLC ("Tama") and Bell Incorporated ("Bell") acquisitions.

The Company recorded amortization expense for the years ended December 31, 2023, 2022 and 2021 of \$91 million, \$90 million and \$69 million, respectively. The Company expects amortization expense for the next five consecutive years to be approximately as follows: \$89 million, \$64 million, \$59 million, \$57 million, and \$56 million.

Goodwill

The Company tests goodwill for impairment annually as of October 1, as well as whenever events or changes in circumstances suggest that the estimated fair value of a reporting unit may no longer exceed its carrying amount.

The Company tests goodwill for impairment at the reporting unit level, which is an operating segment or a level below an operating segment, which is referred to as a component. A component of an operating segment is a reporting unit if the component constitutes a business for which discrete financial information is available and management regularly reviews the operating results of that component. Two or more components of an operating segment are aggregated and deemed a single reporting unit if the components have similar economic characteristics.

Potential goodwill impairment is measured at the reporting unit level by comparing the reporting unit's carrying amount (including goodwill), to the fair value of the reporting unit. When performing the quantitative analysis, the estimated fair value of each reporting unit is determined by utilizing a discounted cash flow analysis based on the Company's forecasts, discounted using a weighted average cost of capital and market indicators of terminal year cash flows based upon a multiple of EBITDA. If the carrying amount of a reporting unit exceeds its estimated fair value, goodwill is considered impaired. In determining fair value, management relies on and considers a number of factors, including but not limited to, future operating results, business plans, economic projections of revenues and operating margins, forecasts including future cash flows, and market data and analysis, including market capitalization. The assumptions used are based on what a hypothetical market participant would use in estimating fair value. Fair value determinations are sensitive to changes in the factors described above. There are inherent uncertainties related to these factors and judgments in applying them to the analysis of goodwill impairment.

Periodically, the Company may perform a qualitative impairment analysis of goodwill associated with each of its reporting units to determine if it is more likely than not that the carrying value of a reporting unit exceeded its fair value. However, the Company performed a quantitative impairment test as of October 1, 2023, and concluded goodwill was not impaired for any of its reporting units.

The following is a rollforward of goodwill by reportable segment:

In millions	Paperboard Manufacturing	Americas Paperboard Packaging	Europe Paperboard Packaging	Corporate/ Other ^(a)	Total
Balance at December 31, 2021	\$ 506	\$ 968	\$ 528 \$	S 13 \$	2,015
Acquisition of Businesses	—	10	11	—	21
Impairment of Russian Business ^(b)			(12)		(12)
Foreign Currency Effects	—	2	(46)	(1)	(45)
Balance at December 31, 2022	\$ 506	\$ 980	\$ 481 \$	S 12 \$	1,979
Acquisition of Businesses ^(c)	59	42	_	_	101
Foreign Currency Effects	_	6	18	(1)	23
Balance at December 31, 2023	\$ 565	\$ 1,028	\$ 499 \$	5 11 \$	2,103

^(a) Includes Australia operating segment.

^(b) Relates to the Company's divestiture of its Russian business. Please see "Note 19 - Impairment and Divestiture of Russian Business" for more information.

^(c) Represents goodwill related to the Tama and Bell acquisitions.

Retained Insurable Risks

It is the Company's policy to self-insure or fund a portion of certain expected losses related to group health benefits and workers' compensation claims. Provisions for expected losses are recorded based on the Company's estimates, on an undiscounted basis, of the aggregate liabilities for known claims and estimated claims incurred but not reported.

Asset Retirement Obligations

Asset retirement obligations are accounted for in accordance with the provisions of the *Asset Retirement and Environmental Obligations* topic of the FASB Codification. A liability and asset are recorded equal to the present value of the estimated costs associated with the retirement of long-lived assets where a legal or contractual obligation exists and the liability can be reasonably estimated. The liability is accreted over time and the asset is depreciated over the remaining life of the asset. Upon settlement of the liability, the Company will recognize a gain or loss for any difference between the settlement amount and the liability recorded. Asset retirement obligations with indeterminate settlement dates are not recorded until such time that a reasonable estimate may be made. The Company's asset retirement obligations consist primarily of landfill closure and post-closure costs at certain of our paperboard manufacturing facilities. At December 31, 2023 and 2022, the Company had liabilities of \$14 million and \$13 million, respectively. The liabilities are primarily reflected as Other Noncurrent Liabilities on the Consolidated Balance Sheets.

International Currency

The functional currency of the international subsidiaries is usually the local currency for the country in which the subsidiaries own their primary assets. The translation of the applicable currencies into U.S. dollars is performed for balance sheet accounts using current exchange rates in effect at the balance sheet date and for revenue and expense accounts using an average exchange rate during the period. Any related translation adjustments are recorded directly to a separate component of Shareholders' Equity, unless there is a sale or substantially complete liquidation of the underlying foreign investments. Gains and losses on foreign currency transactions are included in Other Expense (Income) in the Consolidated Statements of Operations, Net for the period in which the exchange rate changes.

The Company pursues a currency hedging program which utilizes derivatives to reduce the impact of foreign currency exchange fluctuations on its consolidated financial results. Under this program, the Company has entered into forward exchange contracts in the normal course of business to hedge certain foreign currency denominated transactions. Realized and unrealized gains and losses on these forward contracts are included in the measurement of the basis of the related foreign currency transaction when recorded.

Revenue Recognition

The Company has two primary activities, manufacturing and the converting of paperboard for and into consumer packaging made from renewable resources, from which it generates revenue from contracts with customers. Revenue is disaggregated primarily by geography and type of activity as further explained in "*Note 15 - Business Segment and Geographic Area 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 years ended December 31, 2023, 2022 and 2021, the Company recognized \$9,383 million, \$9,410 million and \$7,131 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 December 31, 2023 and 2022, contract assets were \$28 million and \$8 million, respectively. The Company's contract liabilities consist principally of rebates, and as of December 31, 2023 and 2022 were \$60 million and \$65 million, respectively.

Shipping and Handling

The Company includes shipping and handling costs in Cost of Sales.

Research and Development

Research and development costs, which relate primarily to the development and design of new packaging machines and products and are recorded as a component of Selling, General and Administrative expenses, are expensed as incurred. Expenses for the years ended December 31, 2023, 2022 and 2021 were \$16 million, \$14 million, and \$10 million, respectively.

Business Combinations, Exit Activities and Other Special Charges, Net

The following table summarizes the transactions recorded in Business Combinations, Exit Activities and Other Special Charges, Net in the Consolidated Statements of Operations for the year ended December 31:

In millions	20	2023		2022	2021		
Charges Associated with Business Combinations ^(a)	\$	4	\$	23	\$	84	
Exit Activities ^(b)		47		10		21	
Charges Associated with a Divestiture ^(c)		14		96		_	
Other Special Charges ^(d)		9		2		33	
Total	\$	74	\$	131	\$	138	

^(a) These costs relate to the Americant Carton, Inc. ("Americant"), AR Packaging Group AB ("AR Packaging"), Tama, and the Bell acquisitions (see "*Note 4 - Business Combinations*").

^(b) Relates to the Company's closures of its three smaller recycled paperboard manufacturing facilities (which includes Tama), the closures of multiple packaging facilities, and the discontinuation of the Texarkana swing capacity project (see "Note 18 - Exit Activities").

^(c) Relates to the sale of the Company's Russian operations (see "*Note 19 - Impairment and Divestiture of Russian Business*"). ^(d) These costs include \$9 million related to the devaluation of the Nigerian Naira in 2023.

2023

On January 31, 2023, the Company completed the acquisition of Tama, a recycled paperboard manufacturing facility 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 4 - 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 18 - Exit Activities*".

On February 7, 2023, the Company announced an approximately \$1 billion investment in a new recycled paperboard manufacturing facility in Waco, Texas. In conjunction with the completion of this project, the Company expects to close two additional smaller recycled paperboard manufacturing facilities in order to strategically expand capacity while lowering costs. Charges associated with these closures are included in Exit Activities in the table above. For more information, see "*Note 18 - Exit Activities*".

During 2023, the Company decided to close multiple packaging facilities by the end of 2023 and early 2024. Production from these facilities will be consolidated into our existing packaging network. Charges associated with this project are included in Exit Activities in the table above. For more information, see "*Note 18 - Exit Activities*".

On September 8, 2023, the Company completed the acquisition of Bell, an independent packaging company for \$264 million, subject to customary working capital adjustments. The acquisition included three packaging facilities located in South Dakota and Ohio and is reported within the Americas Paperboard Packaging reportable segment. Charges Associated with this acquisition are included in Charges Associated with Business Combinations in the table above. For more information, see "*Note 4 - Business Combinations*".

During the third quarter of 2023, the Company decided to discontinue its previously announced project in Texarkana to modify an existing paperboard machine to add swing capacity between bleached and unbleached paperboard in order to focus growth investments in the strategic expansion of coated recycled paperboard capacity. Through December 31, 2023, the Company incurred charges of \$16 million related to the write-off of assets, which were primarily engineering, permitting, and consulting costs for this project. Charges associated with this project are included in Exit Activities in the table above. For more information, see "*Note 18 - Exit Activities*".

During the third quarter of 2023, the Company decided to permanently decommission the K3 recycled paperboard machine in Kalamazoo, Michigan as part of its recycled paperboard network optimization plan that the Company initiated in 2019. As of December 31, 2023, the Company incurred charges of \$20 million related to the write-off of inventory and accelerated depreciation for the assets included in Costs of Sales in the Company's Consolidated Statements of Operations. The Company expects to incur additional charges of \$5 million to \$10 million as it relates to the dismantling of the K3 recycled paperboard machine through 2024.

During the second quarter of 2022, the Company began the process of divesting its interest in its two packaging facilities in Russia (the "Russian Operations"). The assets and liabilities to be disposed of in connection with this transaction met the held for sale criteria as of June 30, 2022 and each subsequent quarter end through the date of sale. On November 30, 2023, the Company completed the sale of its Russian Operations. Impairment charges associated with this divestiture are included in Charges Associated with a Divestiture in the table above. For more information, see "*Note 19 - Impairment and Divestiture of Russian Business*".

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 18 - Exit Activities*".

2021

During 2019, the Company announced its plans to invest in a new recycled paperboard machine in Kalamazoo, Michigan. At the time of the announcement, the Company expected to close two of its smaller recycled paperboard manufacturing facilities 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 recycled paperboard manufacturing facilities. In the second quarter 2022, the Company closed the Battle Creek, Michigan recycled paperboard manufacturing facility. Severance, retention, start-up costs, and other charges associated with this project are included in Exit Activities in the table above. For more information, see "Note 18 - Exit Activities."

On May 14, 2021, in connection with the AR Packaging acquisition, the Company entered into deal contingent foreign exchange forward contracts, with no upfront cash cost, to hedge \in 700 million of the acquisition price. These forward contracts settled October 29, 2021, immediately prior to the acquisition of AR Packaging and are accounted for as derivatives under ASC 815, Derivatives and Hedging. Unrealized losses of \$48 million for the year ended December 31, 2021 resulting from these contracts are recognized in Charges Associated with Business Combinations in the table above. For more information, see "Note 10 - Financial Instruments, Derivatives and Hedging Activities."

On July 1, 2021, the Company acquired substantially all the assets of Americraft, the largest independent operator of packaging facilities in North America for \$292 million. The acquisition included seven packaging facilities across the United States and is reported within the Americas Paperboard Packaging reportable segment. Charges associated with this acquisition are included in Charges Associated with Business Combinations in the table above. For more information, see *"Note 4 - Business Combinations"*.

On November 1, 2021, the Company acquired all the shares of AR Packaging, Europe's second largest producer of paperboard consumer packaging, for \$1,412 million in cash, net of cash acquired of \$75 million. The acquisition included 30 packaging facilities in 13 countries and is reported within the Europe Paperboard Packaging reportable segment. The costs associated with this acquisition are included in Charges Associated with Business Combinations in the table above. For more information, see "*Note 4 - Business Combinations*".

Share Repurchases and Dividends

On July 27, 2023, the Company's board of directors authorized an additional 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 "2023 share repurchase program"). The previous \$500 million share repurchase program was authorized January 28, 2019 (the "2019 share repurchase program").

Share repurchases are reflected as a reduction of common stock for the par value of the shares, with any excess of share repurchase price over par value allocated between capital in excess of par value and retained earnings.

The following presents the Company's share repurchases for the years ended December 31, 2023, 2022, and 2021:

Amount repurchased in millions, except share and per share amounts	Amount Number of Shares Repurchased Repurchased		Average Price, per Share		
2023	\$	54	2,389,224	\$	22.80
2022	\$	28	1,315,839	\$	20.91
2021	\$			\$	

At December 31, 2023, the Company had \$565 million available for additional repurchases under the 2023 and 2019 share repurchase programs.

During 2023, 2022 and 2021, GPHC paid cash dividends of \$123 million, \$92 million and \$87 million, respectively. Though the decision to distribute cash dividends rests solely with the Board of Directors, the Company presently intends to maintain a quarterly cash dividend, subject to earnings and liquidity considerations.

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 of supplier finance programs and requires buyers in a supplier finance program to disclose sufficient information about the program to allow a user of the financial statements to understand the program's nature, activity during the period, changes from period to period, and potential magnitude. 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 adoption of this accounting standard did not have an impact on the Company's financial position, results of operations and cash flows.

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 on its disclosures.

In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures, which is intended to improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. This ASU is effective for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company will continue evaluating the impact of this ASU on its disclosures.

NOTE 2. SUPPLEMENTAL BALANCE SHEET DATA

The following tables provide disclosure related to the components of certain line items included on the Consolidated Balance Sheets.

Receivables, Net:

In millions	2023	2022
Trade	\$ 739 \$	825
Less: Allowance	(23)	(21)
	716	804
Other	119	75
Total	\$ 835 \$	879

Inventories, Net by major class:

In millions	2023	2022
Finished Goods	\$ 602 \$	515
Work in Progress	201	218
Raw Materials	684	645
Supplies	267	228
Total	\$ 1,754 \$	1,606

Property, Plant and Equipment, Net:

In millions	2023	2022
Property, Plant and Equipment, at Cost:		
Land and Improvements	\$ 195 \$	187
Buildings ^(a)	1,122	1,067
Machinery and Equipment ^(b)	7,686	7,383
Construction-in-Progress	657	234
	9,660	8,871
Less: Accumulated Depreciation ^{(a)(b)}	(4,668)	(4,292)
Total	\$ 4,992 \$	4,579

^(a) Includes gross assets under finance lease of \$146 million and related accumulated depreciation of \$31 million as of December 31, 2023, and gross assets under finance lease of \$146 million and related accumulated depreciation of \$22 million as of December 31, 2022.

(b) Includes gross assets under finance lease of \$51 million and related accumulated depreciation of \$21 million as of December 31, 2023, and gross assets under finance lease of \$51 million and related accumulated depreciation of \$16 million as of December 31, 2022.

Other Accrued Liabilities:

In millions	2023	2022
Operating Lease Liabilities, current portion	\$ 62 \$	66
Accrued Payables	61	66
Other Accrued Taxes	49	51
Accrued Customer Rebates	48	44
Dividends Payable	31	31
Deferred Revenue	30	32
Income Tax Payable	15	7
Fair Value of Derivatives, current portion	13	12
Accrued Severance	6	3
Unfavorable Supply Agreement	2	2
Other ^(a)	78	97
Total	\$ 395 \$	411

^(a) Other accrued expenses include several types of expenses such as accrued bonus, external outside services and production costs.

Other Noncurrent Liabilities:

In millions	2023	2022
Operating Lease Liabilities, noncurrent portion	\$ 189 \$	184
FIN48 Liabilities	38	4
Deferred Compensation	30	19
Multi-Employer Plans	17	18
Workers Compensation Reserve	8	8
Deferred Revenue	8	8
Unfavorable Supply Agreement	2	3
Other	68	22
Total	\$ 360 \$	266

NOTE 3. SUPPLEMENTAL CASH FLOW INFORMATION

Cash Flow (Used In) Provided by Operations Due to Changes in Operating Assets and Liabilities, net of acquisitions:

In millions	2023	2022	2021
Receivables, Net	\$ (39) \$	(184) \$	(106)
Inventories, Net	(117)	(268)	(80)
Other Current Assets	(15)	2	(12)
Other Assets	(19)	(1)	(22)
Accounts Payable	(140)	132	77
Compensation and Employee Benefits	(25)	87	(15)
Income Taxes	7	(2)	(6)
Interest Payable	12	16	4
Other Accrued Liabilities	(22)	(11)	3
Other Noncurrent Liabilities	50	11	(72)
Total	\$ (308) \$	(218) \$	(229)

Cash paid for interest and cash paid, net of refunds, for income taxes was as follows:

In millions	2023	2022	2021
Interest	\$ 221 \$	176 \$	116
Income Taxes	\$ 157 \$	43 \$	25

NOTE 4. BUSINESS COMBINATIONS

The Company accounts for acquisitions as business combinations using the acquisition method of accounting in accordance with ASC 805, Business Combinations ("ASC 805").

Bell Incorporated

On September 8, 2023, the Company completed the acquisition of Bell, adding three packaging facilities in Sioux Falls, South Dakota and Groveport, Ohio for \$264 million, subject to customary working capital adjustments, using existing cash and borrowings under its revolving credit facility. The acquisition is reported within the Americas Paperboard Packaging reportable segment.

The preliminary purchase price allocation as of December 31, 2023 is as follows:

In millions	Amounts Recognized as of Acquisition Date (as adjusted)
Purchase Price	\$ 264
Cash & Cash Equivalents	3
Receivables, Net	19
Inventories, Net	17
Property, Plant and Equipment	30
Intangible Assets ^(a)	161
Other Assets	15
Total Assets Acquired	245
Current Liabilities	11
Other Noncurrent Liabilities	12
Total Liabilities Assumed	23
Net Assets Acquired	222
Goodwill	42
Purchase Consideration Transferred	\$ 264

^(a) Intangible Assets primarily consists of Customer Relationships with a weighted average life of approximately 15 years.

The purchase price has been preliminarily allocated to assets acquired and liabilities assumed based on the estimated fair values as of the acquisition date and is subject to further adjustments in subsequent periods. 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.

Tama Paperboard, LLC

On January 31, 2023, the Company completed the acquisition of Tama, a recycled paperboard manufacturing facility 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 Manufacturing reportable segment.

Americraft

On July 1, 2021, the Company acquired substantially all of the assets of Americraft. The Company paid approximately \$292 million, using existing cash and borrowings under its revolving credit facility. The acquisition included seven packaging facilities across the United States.

The purchase price for Americarft was allocated to assets acquired and liabilities assumed based on the fair values as of the acquisition date. Tangible assets and liabilities were valued as of the acquisition date using the indirect and direct methods of the cost approach and intangible assets were valued using a discounted cash flow analysis, which represents a Level 3 measurement. The assigned goodwill, which is deductible for tax purposes, is reported within the Americas Paperboard Packaging reportable segment.

The final purchase price allocation is as follows:

In millions	ns Amounts Recognized as of Acquisition Date (as adju		
Purchase Price	\$	292	
Receivables, Net		22	
Inventories, Net		36	
Property, Plant and Equipment, Net		94	
Intangible Assets, Net ^(a)		74	
Other Assets		1	
Total Assets Acquired		227	
Current Liabilities		13	
Total Liabilities Assumed		13	
Net Assets Acquired		214	
Goodwill		78	
Total Estimated Fair Value of Net Assets Acquired	\$	292	

^(a) Intangible Assets, Net, primarily consists of Customer Relationships with a weighted average life of approximately 15 years.

During the second quarter of 2022, the Company finalized the acquisition accounting for Americaaft.

Proforma disclosures were omitted for the Bell, Tama and Americraft acquisitions as they do not have a significant impact on the Company's financial results.

AR Packaging

On November 1, 2021, the Company completed the acquisition of AR Packaging, Europe's second largest producer of paperboard consumer packaging, by acquiring all the AR Packaging Group AB shares that were issued and outstanding as of the date of acquisition. The acquisition included 30 packaging facilities in 13 countries and enhances the Company's global scale, innovation capabilities, and value proposition for customers throughout Europe and bordering regions.

The total cash consideration for the AR Packaging acquisition was \$1,412 million net of cash acquired of \$75 million, paid in Euros through the use of deal contingent, foreign exchange forward contracts, purchased through the use of available borrowing capacity on the Company's Senior Secured Revolving Credit Facilities and the \$400 million Incremental Facility Amendment to the Fourth Amended and Restated Credit Agreement. For more information, see "*Note 5 - Debt.*"

The purchase price was allocated to the assets acquired and liabilities assumed based on the estimated fair values as of the date of acquisition. The fair values of the tangible assets acquired and liabilities assumed were determined using the income and cost approaches. In many cases, the determination of the fair values required estimates about discount rates, future expected cash flows and other future events that are judgmental and subject to change. The fair value measurements were primarily based on significant inputs that are not observable in the market and thus represent a Level 3 measurement of the fair value hierarchy as defined in ASC 820, Fair Value Measurements ("ASC 820"). Intangible assets consisting of customer relationships, technology, and trade names were valued using a discounted cash flow analysis. The significant assumptions used to estimate the value of the customer relationships intangible assets included the discount rate, annual revenue growth rates, customer attrition rates, projected operating expenses, projected EBITDA margins, tax rate, depreciation, and contributory asset charge. Management believes that the purchase price attributable to goodwill represents the benefits expected, including enhanced revenue growth from expanded capabilities and geographic presence as well as substantial cost savings from reduction of duplicative overhead, streamlined operations and enhanced operational efficiency. The assigned goodwill, which is not deductible for tax purposes, is reported within the Europe Paperboard Packaging reportable segment.

The final purchase price allocation is as follows:

In millions	of Acquisition Date (as adjusted) ^(a)	
Total Purchase Consideration	\$	1,487
Cash Acquired		75
Receivables, Net		206
Inventories		166
Other Current Assets		12
Property, Plant and Equipment ^(b)		556
Intangible Assets ^(c)		409
Other Assets		62
Total Assets Acquired		1,486
Accounts Payable		109
Compensation and Employee Benefits		12
Other Accrued Liabilities		99
Short-Term Debt and Current Portion of Long-Term Debt		9
Long-Term Debt		17
Deferred Income Tax Liabilities		139
Accrued Pension and Postretirement Benefits		55
Other Noncurrent Liabilities		43
Noncontrolling Interests		2
Total Liabilities Assumed		485
Net Assets Acquired		1,001
Goodwill		486
Total Estimated Fair Value of Net Assets Acquired	\$	1,487

^(a) The amounts were translated from Euro to USD using the rate at the acquisition date of 1.1539.

^(b) Property, Plant and Equipment primarily consists of Machinery and Equipment of \$374 million with a weighted average life of approximately 13 years.

^(c) Intangible Assets primarily consists of Customer Relationships of \$401 million with a weighted average life of approximately 15 years.

During the fourth quarter of 2022, the Company finalized the acquisition accounting for AR Packaging.

The Consolidated Statements of Operations include \$1,135 million of Net Sales and \$17 million of Loss from Operations for AR Packaging for the year ended December 31, 2022 and \$176 million of Net Sales and \$8 million of Loss from Operations for the year ended December 31, 2021. The year ended December 31, 2022 included \$96 million of impairment charges related to the divestiture of its two packaging facilities in Russia. See "*Note 19 - Impairment and Divestiture of Russian business*" for further information.

NOTE 5. DEBT

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

In millions	2	023	2022
Short Term Borrowings	\$	18 \$	16
Current Portion of Finance Leases		7	11
Current Portion of Long-Term Debt ^(a)		739	26
Total Short-Term Debt and Current Portion of Long-Term Debt	\$	764 \$	53

^(a)Includes the 0.821% and 4.125% Senior Notes due 2024.

Short-term borrowings are principally at the Company's international subsidiaries. The weighted average interest rate on short-term borrowings as of December 31, 2023 and 2022 was 6.5% and 6.2%, respectively.

Long-Term Debt is comprised of the following:

In millions	202	23	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 4.13%, 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 4.78%, 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 3.53%, 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 $2029^{(a)}$		321	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)		106	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 December 31, 2023), effective rate of 6.59%, payable in 2028 ^(a)		250	250
Senior Secured Term Loan Facilities with interest payable at various dates at floating rates (6.32% at December 31, 2023) payable through 2026 ^(a)		508	529
Senior Secured Term Loan Facility (€206 million) with interest payable at various dates at floating rates (5.23% at December 31, 2023) payable through 2026 ^(a)		227	225
Senior Secured Revolving Credit Facilities with interest payable at floating rates (6.96% at December 31, 2023) payable in 2026 ^{(a)(c)}		774	634
Finance Leases		161	170
Other		6	15
Total Long-Term Debt Including Current Portion		5,378	5,267
Less: Current Portion		746	37
Total Long-Term Debt Excluding Current Portion		4,632	5,230
Less: Unamortized Deferred Debt Issuance Costs		23	30
Total Long-Term Debt	\$	4,609	\$ 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 6.61% and 3.52% as of December 31, 2023 and 2022, respectively.

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 Secured Overnight Financing Rate ("SOFR") loans under the domestic revolving line of credit.

2022

On November 4, 2022, GPIL entered into Amendment No. 2 to the Fourth Amended and Restated Credit Agreement (the "Second Amendment"). The Second Amendment provided for a change in the floating interest rate benchmark for the domestic revolving credit facility and the USD denominated term loans, from LIBOR-based to Term SOFR plus 10bps. The Second Amendment also added JSC AR Packaging to the Schedule of Permitted Asset Sales to facilitate the sale of the Company's Russian operations.

On November 15, 2022, the Company drew \$250 million from the senior secured domestic revolving credit facilities and used the proceeds, together with cash on hand, to redeem its 4.875% Senior Notes due in 2022.

The following describes the Company's senior secured term loans and revolving credit facilities within the Fourth Amended and Restated Credit Agreement:

Document ^(a)	Provision	Expiration
Fourth Amended and Restated Credit Agreement	 Increased the domestic revolving credit facility by \$400 million to \$1,850 million. Increased the European revolving credit facility by €7 million to €145 million. Decreased the Japanese revolving credit facility by ¥850 million to ¥1,650 million, and Reduced the term loan by approximately \$5 million to \$550 million. LIBOR plus variable spread (between 125 basis points and 200 basis points) depending on consolidated total leverage ratio. 	April 2026
Amendment 1	Increased the European revolving credit facility by €25 million to €170 million. Added Incremental EUR Term Loan Facility of €210 million.	April 2026
Incremental Term A-2 Facility Amendment	Incremental \$425 million term loan facility under the Fourth Amended and Restated Credit Agreement with a delayed draw feature, which was exercised in January 2021.	January 2028
Incremental Term A-3 Facility Amendment	Incremental \$250 million term loan facility under the Fourth Amended and Restated Credit Agreement, which was exercised in July 2021.	July 2028
Second Incremental Term A-4 Facility Amendment	Incremental \$400 million term loan facility under the Fourth Amended and Restated Credit Agreement, which was funded in October 2021, and settled in November 2021.	November 2021

^(a) The Company's obligations under the Fourth Amended and Restated Credit Agreement (as amended by the Incremental Term A-3 Facility Amendment, the First Amendment, the Incremental Term A-4 Facility Amendment and the Second Amendment (collectively, the "Current Credit Agreement") are secured by substantially all of the Company's domestic assets.

At December 31, 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	Cor	Total nmitments	Total Outstanding	Total Available
Senior Secured Domestic Revolving Credit Facility ^(a)	\$	1,850	\$ 774	\$ 1,071
Senior Secured International Revolving Credit Facilities		200		200
Other International Facilities		53	24	29
Total	\$	2,103	\$ 798	\$ 1,300

^(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 \$5 million as of December 31, 2023. These letters of credit are primarily used as security against its self-insurance obligations and workers' compensation obligations. These letters of credit expire at various dates throughout 2024 unless extended.

Long-Term Debt maturities (excluding finance leases) are as follows:

In millions	
2024	\$ 739
2025	43
2026	1,938
2027	300
2028	1,125
After 2028	1,072
Total	\$ 5,217

Covenant Agreements

The Covenants in the Company's Fourth Amended and Restated Credit Agreement (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 December 31, 2023, the Company was in compliance with the covenants in the Current Credit Agreement and the Indentures.

NOTE 6. LEASES

The Company determines if a contract is or contains a lease at inception. The Company has operating and finance leases for warehouses, corporate and regional offices, and machinery and equipment. The Company enters into lease contracts ranging from one to 25 years with the majority of leases having terms of three to seven years, many of which include options to extend in various increments. Variable lease costs consist primarily of variable warehousing costs, common area maintenance, taxes, and insurance. The Company's leases do not have any significant residual value guarantees or restrictive covenants.

As the implicit rate is not readily determinable for most of the Company's leases agreements, the Company uses an estimated incremental borrowing rate to determine the initial present value of lease payments. These discount rates for leases are calculated using the Company's credit spread adjusted for current market factors, including fixed rate swaps, EURIBOR, and foreign currency rates.

The components of lease costs are as follows:

		Year Ended Dece			
In millions		2023	2022		
Finance lease costs:					
Amortization of right-of-use asset	\$	14 \$	11		
Interest on lease liabilities		9	8		
Operating lease costs		86	82		
Short-term lease costs		29	21		
Variable lease costs		14	16		
Total lease costs, net	\$	152 \$	138		

Supplemental cash flow information related to leases was as follows:

	Year Ended December 31,			
In millions	2	023	2022	
Cash paid for amounts included in the measurement of lease liabilities:				
Operating cash flows from operating leases	\$	84 \$	83	
Operating cash flows from finance leases		9	8	
Financing cash flows from finance leases		9	9	
Right-of-use assets obtained in exchange for lease obligations:				
Operating leases		70	52	
Finance leases		—	42	

Supplemental balance sheet information related to leases was as follows:

		 Decer	nber 3	51,
In millions, except lease term and discount rate	Balance Sheet Classification	2023		2022
Operating Leases:				
Operating lease right-of-use asset	Other Assets	\$ 228	\$	245
Current operating lease liabilities	Other Accrued Liabilities	\$ 62	\$	66
Noncurrent operating lease liabilities	Other Noncurrent Liabilities	189		184
Total operating lease liabilities		\$ 251	\$	250
Finance Leases:				
Property, Plant and Equipment		\$ 197	\$	197
Accumulated depreciation		(52)		(38)
Property, Plant and Equipment, net		\$ 145	\$	159
Current finance lease liabilities	Short-Term Debt and Current Portion of Long-Term Debt	\$ 7	\$	11
Noncurrent finance lease liabilities	Long-Term Debt	154		159
Total finance lease liabilities		\$ 161	\$	170
Weighted Average Remaining Lease Term	1 (Years):			
Operating leases		6)	7
Finance leases		16	ò	16
Weighted Average Discount Rate:				
Operating leases		4.10 %	ó	3.76 %
Finance leases		5.17 %	ó	5.31 %
Maturities of lease liabilities are as follows	:			

In millions			
Year ending December 31,	Operating Le	ases Finance Lea	ases
2024	\$	69 \$	16
2025		56	15
2026		43	14
2027		34	15
2028		21	16
Thereafter		59	165
Total lease payments	\$ 2	282 \$	241
Less imputed interest	((31)	(80)
Total	\$ 2	251 \$	161

NOTE 7. 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 December 31, 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 the 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 years ended December 31 is as follows:

	2023	2022	2021
RSUs — Employees and Non-Employee Directors	1,780,345	1,943,769	1,680,997
Weighted-average grant date fair value	\$ 23.74 \$	20.19 \$	16.14
Stock Awards — Board of Directors	25,588	34,160	55,055
Weighted-average grant date fair value	\$ 25.01 \$	20.49 \$	17.80

A summary of the changes in the number of unvested RSUs from December 31, 2020 to December 31, 2023 is presented below:

	RSUs	Weighted Average Grant Date Fair Value
Outstanding — December 31, 2020	5,141,706	\$ 14.02
Granted ^(a)	1,680,997	16.14
Released	(2,121,203)	14.88
Forfeited	(359,100)	14.39
Performance adjustment ^(b)	587,461	15.09
Outstanding — December 31, 2021	4,929,861	\$ 14.47
Granted ^(a)	1,943,769	20.19
Released	(2,180,435)	12.34
Forfeited	(193,145)	17.59
Performance adjustment ^(b)	324,814	12.52
Outstanding — December 31, 2022	4,824,864	\$ 17.48
Granted ^(a)	1,780,345	23.74
Released	(2,313,891)	15.62
Forfeited	(102,583)	20.21
Performance adjustment ^(b)	753,702	15.59
Outstanding — December 31, 2023	4,942,437	\$ 20.20

^(a) Grant activity for all performance-based RSUs is disclosed at target.

^(b) Reflects the number of RSUs paid out above target levels based on actual performance measured at the end of the performance period.

The initial value of the service-based RSUs is generally based on the closing market value of GPHC's common stock on the date of grant, discounted to reflect that the RSUs do not accrue dividends during the vesting period. The 2023 performance-based RSU grants were valued using a Monte Carlo simulation as the total shareholder return contains a market condition. RSUs are recorded in Shareholders' Equity. The unrecognized expense at December 31, 2023 is approximately \$49 million and is expected to be recognized over a weighted average period of 2 years.

The value of stock awards granted to the Company's directors as compensation are based on the market value of GPHC's common stock on the date of grant. These awards are unrestricted on the date of grant.

During 2023, 2022, and 2021, \$44 million, \$34 million and \$27 million, respectively, were charged to compensation expense for stock incentive plans and such amounts are included in Selling, General and Administrative expenses in the Consolidated Statements of Operations.

During 2023, 2022, and 2021, RSUs with an aggregate fair value of \$54 million, \$44 million and \$35 million, respectively, vested and were paid out. The RSUs vested and paid out in 2023 were granted primarily during 2020.

NOTE 8. PENSIONS AND OTHER POSTRETIREMENT BENEFITS

DEFINED BENEFIT PLANS

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. Currently, the North American plans are closed to newly-hired employees.

Pension and Postretirement Expense

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

	 Pens	ion Benefits		Postretirement Benefits				
		Y	ear Ended Dec	ember 31,				
In millions	2023	2022	2021	2023	2022	2021		
Components of Net Periodic Cost:								
Service Cost	\$ 9\$	14 \$	15 \$	— \$	— \$			
Interest Cost	22	12	10	2	1	1		
Expected Return on Plan Assets	(23)	(21)	(19)					
Amortization of Actuarial Loss (Gain)	5	3	5	(3)	(2)	(2)		
Net Periodic Cost (Benefit)	\$ 13 \$	8 \$	11 \$	(1) \$	(1) \$	(1)		

Certain assumptions used in determining the pension and postretirement expenses were as follows:

	Per	sion Benefits		Postretirement Benefits			
		Y	ear Ended De	cember 31,			
	2023	2022	2021	2023	2022	2021	
Weighted Average Assumptions:							
Discount Rate	4.86%	2.46%	2.11%	5.12%	2.92%	2.52%	
Rate of Increase in Future Compensation Levels	3.16%	1.80%	3.62%	_			
Expected Long-Term Rate of Return on Plan Assets	5.59%	3.86%	3.59%				
Initial Health Care Cost Trend Rate				7.25%	6.15%	6.40%	
Ultimate Health Care Cost Trend Rate				4.50%	4.50%	4.50%	
Ultimate Year	_	—	—	2032	2031	2028	

Funded Status

The following table sets forth the funded status of the Company's pension and postretirement plans as of December 31:

		Pension Benefits		Postretiren	Benefits			
In millions		2023		2022		2023		2022
Change in Benefit Obligation:								
Benefit Obligation at Beginning of Year	\$	471	\$	627	\$	26	\$	33
Service Cost		9		14		—		
Interest Cost		22		12		2		1
Net Actuarial Loss (Gain)		10		(152)				(7
Foreign Currency Exchange		10		(27)		_		
Benefits Paid		(28)		(24)		(2)		(1
Acquisition				12				
Other				9				
Benefit Obligation at End of Year	\$	494	\$	471	\$	26	\$	26
Change in Plan Assets:	¢	207	¢		¢		¢	
Fair Value of Plan Assets at Beginning of Year	\$	397	\$	557	\$		\$	
Actual Return on Plan Assets		34		(149)		_		
Employer Contributions		14		24		2		_
Foreign Currency Exchange		10		(27)				
Benefits Paid		(28)		(24)		(2)		(1
Acquisition				7		_		
Other E. I. all			<u></u>	9	<i>.</i>		<i>.</i>	
Fair Value of Plan Assets at End of Year	\$	427	\$	397	\$	_	\$	
Plan Assets Less than Projected Benefit Obligation	\$	(67)	\$	(74)	\$	(26)	\$	(26
Amounts Recognized on the Consolidated Balance Sheets Consist of:								
Pension Assets	\$	18	\$	19	\$		\$	
Accrued Pension and Postretirement Benefits Liability — Current	\$	(4)	\$	(5)	\$	(3)	\$	(3
Accrued Pension and Postretirement Benefits Liability — Noncurrent	\$	(81)	\$	(88)	\$	(23)	\$	(23
Accumulated Other Comprehensive Income:								
Net Actuarial Loss (Gain)	\$	83	\$	82	\$		\$	(1
Prior Service Cost (Credit)	\$	4	\$	3	\$	(19)	\$	(21
Weighted Average Calculations:								
Discount Rate		4.69%)	4.86%		4.96%)	5.12
Rates of Increase in Future Compensation Levels		2.90%)	3.16%				
Initial Health Care Cost Trend Rate						8.50%)	7.25
Ultimate Health Care Cost Trend Rate				_		4.45%)	4.50
Ultimate Year						2033		203

The Company determined pension expense using both the fair value of assets and a calculated value that averages gains and losses over a period of years. Investment gains or losses represent the difference between the expected and actual return on assets. As of December 31, 2023, the net actuarial loss in accumulated other comprehensive loss was \$83 million. These net losses may increase future pension expense if not offset by (i) actual investment returns that exceed the assumed investment returns, or (ii) other factors, including reduced pension liabilities arising from higher discount rates used to calculate pension obligations, or (iii) other actuarial gains, including whether such accumulated actuarial losses at each measurement date exceed the "corridor" determined under the *Compensation — Retirement Benefits* topic of the FASB Codification. For the largest plan, the actuarial loss is amortized over the average remaining service period of employees expected to receive benefits.

The discount rate used to determine the present value of future pension obligations at December 31, 2023 was based on a yield curve constructed from a portfolio of high-quality corporate debt securities with maturities ranging from 1 year to 30 years. Each year's expected future benefit payments were discounted to their present value at the spot yield curve rate thereby generating the overall discount rate for the Company's pension obligations. The weighted average discount rate used to determine the pension obligations was 4.69% and 4.86% in 2023 and 2022, respectively.

The pension net actuarial loss of \$10 million was primarily due to changes in the discount rate. The weighted average discount rate at December 31, 2023 was 4.69% compared to 4.86% at December 31, 2022.

Accumulated Benefit Obligation

The accumulated benefit obligation, ("ABO"), for all defined benefit pension plans was \$491 million and \$465 million at December 31, 2023 and 2022, respectively. The projected benefit obligation ("PBO") and fair value of plan assets where the PBO exceeded plan assets were \$323 million and \$311 million at December 31, 2023 and 2022, respectively. The ABO and fair value of plan assets where the ABO exceeded plan assets were \$319 million and \$304 million at December 31, 2023 and 2022, respectively.

Employer Contributions

The Company made \$15 million and \$24 million of contributions to its pension plans during 2023 and 2022, respectively. During 2022, the Company made a \$6 million contribution to the 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 in 2024.

The Company also made postretirement health care benefit payments of \$2 million and \$1 million during 2023 and 2022, respectively. For 2024, the Company expects to make approximately \$2 million of contributions to its postretirement health care plans.

Pension Assets

The Company's overall investment strategy is to achieve a mix of investments for long-term growth and near-term benefit payments through diversification of asset types, fund strategies and fund managers. Investment risk is measured on an ongoing basis through annual liability measurements, periodic asset/liability studies, and quarterly investment portfolio reviews. The plans invest in the following major asset categories: cash, equity securities, fixed income securities, real estate and diversified growth funds. At December 31, 2023 and 2022, pension investments did not include any direct investments in the Company's stock or the Company's debt.

The Company implemented a de-risking or liability driven investment strategy for its North America. and U.K. pension plans. This strategy moved assets from return seeking (equities) to investments that mirror the underlying benefit obligations (fixed income).

The weighted average allocation of plan assets and the target allocation by asset category is as follows:

	Target	2023	2022
Cash	4 %	2 %	4%
Equity Securities	17	25	26
Fixed Income Securities	78	65	45
Other Investments	1	8	25
Total	100 %	100 %	100%

The plans' investment in equity securities primarily includes investments in U.S. and international companies of varying sizes and industries. The strategy of these investments is to 1) exceed the return of an appropriate benchmark for such equity classes and 2) through diversification, reduce volatility while enhancing long term real growth.

The plans' investment in fixed income securities includes government bonds, investment grade bonds and non-investment grade bonds across a broad and diverse issuer base. The strategy of these investments is to provide income and stability and to diversify the fixed income exposure of the plan assets, thereby reducing volatility.

The Company's approach to developing the expected long-term rate of return on pension plan assets is based on fair values and combines an analysis of historical investment performance by asset class, the Company's investment guidelines and current and expected economic fundamentals.

The following tables set forth, by category and within the fair value hierarchy, the fair value of the Company's pension assets at December 31, 2023 and 2022:

		Fair Va	Fair Value Measurements at December 31, 2023					
In millions	Total	Quoted Pri Active Ma for Ident Assets (Le	rkets ical	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Net Asset Value at December 31, 2023(b)		
Asset Category:								
Cash	\$ 7	\$	2	\$ 2	\$	\$ 3		
Equity Securities:								
Domestic	101		3	1		97		
Foreign	6		6					
Fixed Income Securities	281		21	259	1			
Other Investments:								
Diversified growth fund ^(a)	23		_	15	8			
Insurance Contracts	9				9			
Total	\$ 427	\$	32	\$ 277	\$ 18	\$ 100		

			Fair Value Me	_				
In millions	Total	À	uoted Prices in Active Markets for Identical Assets (Level 1)	I	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Net Asset at Decem 2022	ber 31,
Asset Category:								
Cash	\$ 15	\$	10	\$	2	\$	\$	3
Equity Securities:								
Domestic	94		5		1			88
Foreign	7		7		—			
Fixed Income Securities	180		15		165			
Other Investments:								
Real estate	4				4			
Liability Driven Investment	56		35		21			
Diversified growth fund ^(a)	32				8	24		
Insurance Contracts	9		_			9		
Total	\$ 397	\$	72	\$	201	\$ 33	\$	91

^(a) The fund invests in a combination of traditional investments (equities, bonds, and foreign exchange), seeking to achieve returns through active asset allocation over a three to five-year horizon.

^(b) Investments that are measured at net asset value (or its equivalent) as a practical expedient have not been classified in the fair value hierarchy.

A reconciliation of fair value measurements of plan assets using significant unobservable inputs (Level 3) is as follows:

In millions	2	023	2022
Balance at January 1,	\$	33 \$	33
Purchases		—	11
Transfers Out, Net		(17)	(7)
Foreign Currency Exchange		2	(4)
Balance at December 31,	\$	18 \$	33

Estimated Future Benefit Payments

The following represents the Company's estimated future pension and postretirement health care benefit payments through the year 2033:

In millions	Pension		ent Health Care enefits
2024	\$	29 \$	2
2025		30	2
2026		32	2
2027		33	2
2028		34	2
2029—2033		183	9

Multi-Employer Plans

Certain of the Company's employees participate in multi-employer plans that provide both pension and other postretirement health care benefits to employees under union-employer organization agreements.

Estimated liabilities have been established related to the partial or complete withdrawal from certain multi-employment benefit plans for facilities that have been closed. At December 31, 2023 and December 31, 2022, the Company has withdrawal liabilities of \$17 million and \$18 million, respectively, related to these plans, which is recorded as Compensation and Employee Benefits and Other Noncurrent Liabilities on the Consolidated Balance Sheets, which represents the Company's best estimate of the expected withdrawal liability.

DEFINED CONTRIBUTION PLANS

The Company provides defined contribution plans for certain eligible employees. The Company's contributions to the plans are based upon employee contributions, a percentage of eligible compensation, and the Company's annual operating results. Contributions to these plans for the years ended December 31, 2023, 2022 and 2021 were \$87 million, \$73 million and \$69 million, respectively.

NOTE 9. INCOME TAXES

The U.S. and international components of Income before Income Taxes and Equity Income of Unconsolidated Entity consisted of the following:

	Year Ended December 31,					
In millions		2023	2022	2021		
U.S.	\$	852 \$	683 \$	237		
International		80	33	52		
Income before Income Taxes and Equity Income of Unconsolidated						
Entity	\$	932 \$	716 \$	289		

The provisions for Income Tax (Expense) Benefit on Income before Income Taxes and Equity Income of Unconsolidated Entity consisted of the following:

	Year Ended December 31,				
In millions		2023	2022	2021	
Current Expense:					
U.S.	\$	(150) \$	(25) \$	(2)	
International		(38)	(38)	(17)	
Total Current	\$	(188) \$	(63) \$	(19)	
Deferred (Expense) Benefit:					
U.S.		(49)	(137)	(57)	
International		27	6	2	
Total Deferred	\$	(22) \$	(131) \$	(55)	
Income Tax Expense	\$	(210) \$	(194) \$	(74)	

A reconciliation of Income Tax Expense (Benefit) on Income before Income Taxes and Equity Income of Unconsolidated Entity at the federal statutory rate of 21.0% compared with the Company's actual Income Tax (Expense) Benefit is as follows:

	Year Ended December 31,								
In millions		2023	Percent	2022	Percent	2021	Percent		
Income Tax Expense at U.S. Statutory Rate	\$	(196)	21.0 % \$	(150)	21.0 % \$	(61)	21.0 %		
U.S. State and Local Tax Expense		(34)	3.6	(29)	4.1	(12)	4.1		
Permanent Items		2	(0.3)	2	(0.3)	(9)	3.2		
Provision to Return Adjustments		(3)	0.3	4	(0.5)	4	(1.4)		
Change in Valuation Allowance		19	(2.1)	(21)	2.9	(1)	0.4		
Unrealized Foreign Exchange		(7)	0.8	22	(3.1)	5	(1.7)		
International Tax Rate Differences		(4)	0.5	(6)	0.8	(3)	1.0		
U.S. Federal & State Tax Credits		22	(2.3)	9	(1.3)	13	(4.5)		
Domestic Minority Interest		—	_			2	(0.7)		
Deferred Adjustment due to IP Exit		—				(4)	1.5		
Russia Impairment		(3)	0.3	(20)	2.8				
Tax Effects Released from OCI		—		(10)	1.4				
Other		(6)	0.7	5	(0.6)	(8)	2.8		
Income Tax Expense	\$	(210)	22.5 % \$	(194)	27.2 % \$	(74)	25.7 %		

The effective tax rate for 2023 is different from the statutory rate primarily due to a decrease in the Company's valuation allowances in Sweden, Norway and the Netherlands of \$22 million, the establishment of a valuation allowance against certain net deferred tax assets in Nigeria of \$3 million, as well as tax benefits of \$22 million related to U.S. federal, state and foreign income tax credits. The Company also recognized income tax expense of \$7 million related to unrealized foreign currency activity for intercompany loans where the entity's functional currency and the loan denomination are different than the tax reporting currency (primarily in Sweden).

During 2022, tax expense differs from the amount at the statutory rate by \$20 million due to impairment charges from the planned sale of the Company's Russian business that resulted in no corresponding tax benefit and due to the recording of \$10 million of tax expense to release the tax expense remaining in Other Comprehensive Income after the settlement of certain swaps. The Company also recognized tax benefits of approximately \$22 million related to deferred tax assets and liabilities recognized on unrealized foreign currency activity for intercompany loans where the entity's functional currency and the loan denomination currency are different than the tax reporting currency (primarily in Sweden). However, a valuation allowance of approximately \$25 million was recorded during the year against deferred tax assets in Sweden, including the deferred tax asset related to the unrealized foreign currency activity. Additionally, the Company recorded a tax benefit of approximately \$5 million related to the release of a valuation allowance recorded against the net deferred tax assets of its Brazilian subsidiary based on historic earnings.

As a result of the North America Consumer Packaging ("NACP") Combination, during 2021, federal and state income taxes are not recorded with respect to consolidated domestic earnings attributable to the Company's minority interest partner, resulting in a difference between the effective tax rate and the statutory tax rate.

In addition, during 2021, the Company recognized tax expense of approximately \$4 million related to the remeasurement of deferred tax assets for executive compensation as a result of IP's exchange of its remaining shares in GPIP during the period and approximately \$3 million related to the remeasurement of its net deferred tax liability for its UK subsidiaries due to the statutory tax rate increase enacted during the second quarter.

The tax effects of differences that give rise to significant portions of the deferred income tax assets and deferred income tax liabilities as of December 31 were as follows:

In millions	2023	2022
Deferred Income Tax Assets:		
Compensation Based Accruals	\$ 34 \$	37
Net Operating Loss Carryforwards	74	103
Postretirement Benefits	24	26
Tax Credits	8	26
Capitalized Research & Development Costs	64	44
Unrealized Foreign Exchange		28
Other	89	81
Valuation Allowance	(37)	(57)
Total Deferred Income Tax Assets	\$ 256 \$	288
Deferred Income Tax Liabilities:		
Property, Plant and Equipment	(672)	(661)
Goodwill & Other Intangibles	(263)	(280)
Other	(3)	
Net Noncurrent Deferred Income Tax Liabilities	\$ (938) \$	(941)
Net Deferred Income Tax Liability	\$ (682) \$	(653)

The Company has evaluated the need to maintain a valuation allowance for deferred tax assets based on its assessment of whether it is more likely than not that deferred tax assets will be realized through the generation of future taxable income. Appropriate consideration was given to all available evidence, both positive and negative, in assessing the need for a valuation allowance. The Company reviewed its deferred income tax assets as of December 31, 2023 and 2022, respectively, and determined that it is more likely than not that a portion will not be realized. A valuation allowance of \$37 million and \$57 million as of December 31, 2023 and 2022, respectively, is maintained on the deferred income tax assets for which the Company has determined that realization is not more likely than not. Of the total valuation allowance at December 31, 2023, \$10 million relates to net deferred tax assets in Sweden, \$24 million relates to net deferred tax assets in various other foreign jurisdictions and \$3 million relates to credit carryforwards in certain U.S. states as well as U.S. foreign tax credit carryforwards. The need for a valuation allowance is made on a jurisdiction-by-jurisdiction basis. As of December 31, 2023, the Company concluded that due to cumulative pretax losses and the lack of sufficient future taxable income of the appropriate character, realization is not more likely than not on the net deferred income tax assets related primarily to the Company's operations in Australia as well as certain operations in Germany and Nigeria.

The following table represents a summary of the valuation allowances against deferred tax assets as of and for the three years ended December 31, 2023, 2022, and 2021, respectively:

In millions		Additions Deduction					ions		
December 31,	t Beginning of Period		l to Costs xpenses		Charged to ther Accounts		edited to Costs and Expenses	Credited to Other Accounts	Balance at End of Period
2023	\$ 57	\$	6	\$	1	\$	(25) \$	6 (2)	\$ 37
2022	38		29		1		(8)	(3)	57
2021	34		4		4		(3)	(1)	38

During 2023, the Company utilized it's remaining U.S. federal net operating loss carryforwards. The Company's U.S. state net operating loss carryforwards total \$52 million and expire in various years through 2041. International net operating loss carryforward amounts total \$296 million, of which substantially all have no expiration date.

Tax Credit carryforwards total \$8 million which expire in various years through 2042.

Uncertain Tax Positions

A reconciliation of the beginning and ending amount of unrecognized tax benefits is as follows:

In millions	20	023	2022	2021
Balance at January 1,	\$	26 \$	24 \$	20
Additions for Tax Positions of Current Year		2	2	1
Additions for Tax Positions of Prior Years		8	1	3
Reductions for Tax Positions of Prior Years		(2)	(1)	
Balance at December 31,	\$	34 \$	26 \$	24

At December 31, 2023, \$30 million of the total gross unrecognized tax benefits, if recognized, would affect the annual effective income tax rate. As of December 31, 2023, none of the total gross unrecognized tax benefits recorded are related to indefinite lived deferred tax assets and did not have an impact on total tax expense.

The Company recognizes potential accrued interest and penalties related to unrecognized tax benefits within its global operations in Income Tax Expense. The Company had an immaterial accrual for the payment of interest and penalties at December 31, 2023.

The Company anticipates that an immaterial portion of the total unrecognized tax benefits at December 31, 2023 could change within the next twelve months.

The Company files income tax returns in the U.S. federal jurisdiction, and various states and foreign jurisdictions and our income tax filings are regularly examined by federal, state and non-U.S. tax authorities. The Company's 2018 U.S. federal corporate and partnership income tax filings are currently under examination by the Internal Revenue Service. With few exceptions, the Company is no longer subject to U.S. federal, state and local tax examinations for years before 2018.

As of December 31, 2023, the Company has provided for deferred income taxes attributable to future foreign withholding tax expense related to the Company's equity investment in the joint venture, Rengo Riverwood Packaging, Ltd. In addition, Company provides deferred income taxes for future Canadian withholding tax to the extent of excess cash available for distribution after consideration of working capital needs and other debt settlement of its Canadian subsidiary, Graphic Packaging International Canada, ULC. The Company continues to assert that it is permanently reinvested in the cumulative earnings of its Canadian subsidiary in excess of the amount of cash that is on hand and available for distribution after consideration of working capital needs and other debt settlement. The Company determined that no deferred tax liability should be recorded related to the outside basis difference of its Canadian subsidiary as of December 31, 2023.

The Company has not provided for deferred U.S. income taxes on approximately \$92 million of its undistributed earnings in other international subsidiaries because of the Company's intention to indefinitely reinvest these earnings outside the U.S. The determination of the amount of the unrecognized deferred U.S. income tax liability (primarily withholding tax in certain jurisdictions) on the unremitted earnings or any other associated outside basis difference is not practicable because of the complexities associated with the calculation.

The Company has elected to recognize global intangible low-taxed income ("GILTI") as period cost as incurred, therefore there are no deferred taxes recognized for basis differences that are expected to impact the amount of the GILTI inclusion upon reversal.

NOTE 10. FINANCIAL INSTRUMENTS, DERIVATIVES AND HEDGING ACTIVITIES

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.

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 December 31, 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 2023 and 2022, there were no amounts of ineffectiveness. Additionally, there were no amounts excluded from the measure of effectiveness.

As of December 31, 2021, the Company had interest rate swap positions with a notional value of \$200 million, which matured in January 2022. As discussed in "*Note 9 - Income Taxes*", a \$10 million expense was recorded to release the tax expense remaining in Other Comprehensive Income after the settlement of these swaps in the first quarter of 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 65% of its expected natural gas usage for 2024.

During 2023 and 2022, there were no amounts of ineffectiveness related to changes in the fair value of natural gas swap contracts. Additionally, there were no 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 December 31, 2023 and 2022, multiple foreign currency forward exchange contracts existed, with maturities ranging up to three months. Those foreign currency exchange contracts outstanding at December 31, 2023 and 2022, when aggregated and measured in U.S. dollars at contractual rates at December 31, 2023 and 2022, respectively, had net notional amounts totaling \$131 million and \$111 million. Unrealized gains and losses resulting from these contracts are recognized in Other Expense (Income), Net and approximately offset corresponding recognized but unrealized gains and losses on the remeasurement of these accounts receivable.

Deal Contingent Hedge

On May 14, 2021, in connection with the AR Packaging acquisition, the Company entered into deal contingent foreign exchange forward contracts, with no upfront cash cost, to hedge \in 700 million of the acquisition price. These forward contracts settled October 29, 2021, immediately prior to the acquisition of AR Packaging and are accounted for as derivatives under ASC 815, Derivatives and Hedging. Realized losses of \$48 million for the year ended December 31, 2021 resulting from these contracts are recognized in Business Combinations, Exit Activities and Other Special Charges, Net in the Consolidated Statements of Operations. For more information, see "*Note 1 - General Information*" of the Company's 2021 Annual Report on Form 10-K for the year ended December 31, 2021.

Foreign Currency Movement Effect

For the year ended December 31, 2023, 2022 and 2021 net currency exchange losses included in determining Income from Operations were \$6 million, \$3 million, and \$3 million, respectively.

NOTE 11. FAIR VALUE MEASUREMENT

The Company follows the fair value guidance integrated into the *Fair Value Measurements and Disclosures* topic of the FASB Codification in regards to financial and nonfinancial assets and liabilities. Nonfinancial assets and nonfinancial liabilities include those measured at fair value in goodwill impairment testing, asset retirement obligations initially measured at fair value, and those assets and liabilities initially measured at fair value in a business combination.

The FASB's guidance defines fair value, establishes a framework for measuring fair value and expands the fair value disclosure requirements. The accounting guidance applies to accounting pronouncements that require or permit fair value measurements. It indicates, among other things, that a fair value measurement assumes that the transaction to sell an asset or transfer a liability occurs in the principal market for the asset or liability or, in the absence of a principal market, the most advantageous market for the asset or liability. The guidance defines fair value based upon an exit price model, whereby fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The guidance clarifies that fair value should be based on assumptions that market participants would use, including a consideration of non-performance risk.

Valuation Hierarchy

The *Fair Value Measurements and Disclosures* topic establishes a valuation hierarchy for disclosure of the inputs used to measure fair value. This hierarchy prioritizes the inputs into three broad levels as follows:

Level 1 inputs — quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2 inputs — 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.

Level 3 inputs — unobservable inputs based on the Company's own assumptions used to measure assets and liabilities at fair value.

An asset or liability's classification within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement.

The Company has determined that its financial assets and financial liabilities include derivative instruments which are carried at fair value and are valued using Level 2 inputs in the fair value hierarchy. The Company uses valuation techniques based on discounted cash flow analyses, which reflects the terms of the derivatives and uses observable market-based inputs, including forward rates and uses market price quotations obtained from third party derivatives brokers, corroborated with information obtained from third party pricing service providers.

Fair Value of Financial Instruments

As of December 31, 2023 and 2022, 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 December 31, 2023 and December 31, 2022, the Company had commodity contract derivative liabilities, which were included in Other Accrued Liabilities on the Consolidated Balance Sheets, of \$7 million and \$12 million, respectively.

The fair values of the Company's other financial assets and liabilities at December 31, 2023 and 2022 approximately equal the carrying values reported on the 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 \$5,039 million and \$4,749 million, as compared to the carrying amounts of \$5,217 million and \$5,097 million as of December 31, 2023 and 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 in the Consolidated Statements of Operations for the year ended December 31, 2023 and 2022 is as follows:

	1	Amount of Los Accumulated Ot	ss (Gain) Recogr her Comprehen	nized in sive Loss		 Amount of Loss (Gain) Recognized in Statement of Operations						
		Year Ended December 31,			Location in Statement of	 Year Ended December 31,						
In millions	_	2023	2022	2021	Operations	2023	2022	2021				
Commodity Contracts	\$	32 \$	2 \$	(11)	Cost of Sales	\$ 35 \$	(12) \$	(11)				
Foreign Currency Contracts		_	_	(2)	Other Expense (Income), Net	_		2				
Interest Rate Swap Agreements		(4)	_	_	Interest Expense, Net	(3)	_	6				
Total	\$	28 \$	2 \$	(13)		\$ 32 \$	(12) \$	(3)				

At December 31, 2023, the Company expects to reclassify \$8 million of pre-tax loss 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 in the Consolidated Statements of Operations for the years ended December 31, 2023, 2022 and 2021 is as follows:

In millions		202	23	2022	2021
Foreign Currency Contracts	Other Expense (Income), Net	\$	(3) \$	(9) \$	(5)
Deal Contingent Foreign Exchange Hedge ^(a)	Business Combinations, Exit Activities and Other Special Charges, Net	\$	— \$	— \$	48

^(a) For more information, see "Note 10 - Financial Instruments, Derivatives and Hedging Activities".

NOTE 12. ACCUMULATED OTHER COMPREHENSIVE INCOME (LOSS)

The components of Other Comprehensive Income (Loss) attributable to Graphic Packaging Holding Company are as follows:

	Year Ended December 31,													
			2023						2022			2	2021	
In millions	etax 10unt]	Tax Effect	A	Net mount		Pretax mount		Tax Effect	Net Amount	Pretax Amount		Fax ffect	Net Amount
Derivative Instruments Gain (Loss)	\$ 4	\$	(1)	\$	3	\$	22	\$	(18) \$	5 4	\$ 7	\$	(2) \$	5
Pension and Postretirement Benefit Plans (Loss) Gain	(5)		1		(4)		(22)		13	(9)	53		(8)	45
Currency Translation Adjustment Gain (Loss)	61		4		65		(156)		8	(148)	(28)			(28)
Other Comprehensive Income (Loss)	\$ 60	\$	4	\$	64	\$	(156)	\$	3 \$	6 (153)	\$ 32	\$	(10) \$	22

The balances of Accumulated Other Comprehensive Loss Attributable to Graphic Packaging Holding Company, net of applicable taxes are as follows:

	 December 3	31,
In millions	2023	2022
Accumulated Derivative Instruments Loss	\$ (1) \$	(4)
Pension and Postretirement Benefit Plans	(107)	(103)
Currency Translation Adjustment	(205)	(270)
Accumulated Other Comprehensive Loss	\$ (313) \$	(377)

NOTE 13. COMMITMENTS

The Company has entered into other long-term contracts principally for the purchase of fiber and chip processing along with commitments associated with building a new recycled paperboard manufacturing facility in Waco, Texas. The minimum purchase commitments extend beyond 2028. At December 31, 2023, total commitments under these contracts were as follows:

In millions	
2024	\$ 713
2025	290
2026	19
2027	9
2028	8
Thereafter	24
Total	\$ 1,069

NOTE 14. 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 activities 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 15. BUSINESS SEGMENT AND GEOGRAPHIC AREA INFORMATION

The Company has three reportable segments as follows:

Paperboard Manufacturing, formerly referred to as the Paperboard Mills reportable segment, includes the seven North American paperboard facilities that produce recycled, unbleached and bleached paperboard, 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 Manufacturing segment's 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 Manufacturing segment to reflect the economics of the integration of these segments.

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

The Company allocates certain paperboard manufacturing 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 - Nature of Business and Summary of Significant Accounting Policies.*"

The Company did not have any one customer who accounted for 10% or more of the Company's net sales during 2023, 2022 or 2021.

Business segment information is as follows:

	Year Ended December 31,					
In millions		2023	2022	2021		
NET SALES:						
Paperboard Manufacturing	\$	1,022 \$	1,290 \$	1,007		
Americas Paperboard Packaging		6,200	6,015	4,996		
Europe Paperboard Packaging		2,024	1,973	992		
Corporate/Other/Eliminations ^(a)		182	162	161		
Total	\$	9,428 \$	9,440 \$	7,156		
INCOME (LOSS) FROM OPERATIONS:						
Paperboard Manufacturing ^{(b)(c)}	\$	(23) \$	45 \$	(10)		
Americas Paperboard Packaging ^{(c)(d)}		1,088	800	456		
Europe Paperboard Packaging ^{(c)(e)}		127	59	82		
Corporate and Other ^(c)		(18)	2	(121)		
Total	\$	1,174 \$	906 \$	407		
CAPITAL EXPENDITURES:						
Paperboard Manufacturing	\$	479 \$	336 \$	615		
Americas Paperboard Packaging		144	131	113		
Europe Paperboard Packaging		101	43	37		
Corporate and Other		80	39	37		
Total	\$	804 \$	549 \$	802		
DEPRECIATION AND AMORTIZATION:						
Paperboard Manufacturing ^(b)	\$	284 \$	242 \$	231		
Americas Paperboard Packaging ^(d)		186	173	176		
Europe Paperboard Packaging		113	109	53		
Corporate and Other		36	29	29		
Total	\$	619 \$	553 \$	489		

^(a) Includes revenue from customers for the Australia and Pacific Rim operating segments.
 ^(b) Includes accelerated depreciation related to exit activities in 2023, 2022, and 2021 (see "*Note 18 - Exit Activities*").
 ^(c) Includes expenses related to business combinations, other special charges, and exit activities (see "*Note 1 - General Information*").
 ^(d) Includes accelerated depreciation related to exit activities in 2023 (see "*Note 18 - Exit Activities*").
 ^(e) Includes impairment charges related to Russia. (see "*Note 19 - Impairment and Divestiture of Russian Business*").

	December 31,					
In millions		2023	2022	2021		
ASSETS AT DECEMBER 31:						
Paperboard Manufacturing	\$	3,905 \$	3,516 \$	3,482		
Americas Paperboard Packaging		4,220	3,822	3,682		
Europe Paperboard Packaging		2,484	2,474	2,669		
Corporate and Other		566	516	624		
Total	\$	11,175 \$	10,328 \$	10,457		

Business geographic area information is as follows:

	 Year	Ended December 3	1,
In millions	2023	2022	2021
NET SALES:			
United States	\$ 6,646 \$	6,741 \$	5,543
International ^(a)	2,782	2,699	1,613
Total	\$ 9,428 \$	9,440 \$	7,156
In millions	2023	2022	2021
LONG-LIVED ASSETS AT DECEMBER 31:			
United States	\$ 4,178 \$	3,813 \$	3,865
International ^(a)	814	766	812
Total	\$ 4,992 \$	4,579 \$	4,677

^(a) Net Sales and long-lived assets of individual countries outside of the United States are not material.

NOTE 16. EARNINGS PER SHARE

	Year Ended December 31,			
In millions, except per share data		2023	2022	2021
Net Income Attributable to Graphic Packaging Holding Company	\$	723 \$	522 \$	204
Weighted Average Shares:				
Basic		308.2	308.8	297.1
Dilutive effect of RSUs		0.9	0.7	0.8
Diluted		309.1	309.5	297.9
Earnings Per Share — Basic	\$	2.35 \$	1.69 \$	0.69
Earnings Per Share — Diluted	\$	2.34 \$	1.69 \$	0.68

NOTE 17. 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 year ended December 31, 2023:

In millions	 vatives Post	nsion and tretirement nefit Plans	Currency Translation Adjustments	Total
Balance at December 31, 2022	\$ (4) \$	(103)	\$ (270) \$	(377)
Other Comprehensive (Loss) Income before Reclassifications	(21)	(6)	65	38
Amounts Reclassified from Accumulated Other Comprehensive Loss ^(a)	24	2	_	26
Net Current-period Other Comprehensive Income (Loss)	3	(4)	65	64
Balance at December 31, 2023	\$ (1) \$	(107)	\$ (205) \$	(313)

^(a) See following table for details about these reclassifications.

The following represents reclassifications out of Accumulated Other Comprehensive Loss for the year ended December 31, 2023:

In millions

from Accum	ulated	Affected Line Item in the Statement Where Net Income is Presented
\$	35	Cost of Sales
	(3)	Interest Expense, Net
	32	Total before Tax
	(8)	Tax Expense
\$	24	Total, Net of Tax
\$	5 ^(a)	Total before Tax
	(1)	Tax Benefit
\$	4	Total, Net of Tax
\$	(3) ^(a)	Total before Tax
	1	Tax Expense
\$	(2)	Total, Net of Tax
\$	26	Total, Net of Tax
	from Accum Other Compr Loss	$ \begin{array}{c} $

^(a) These accumulated other comprehensive loss components are included in the computation of net periodic pension cost (see *"Note 8 - Pensions and Other Postretirement Benefits"*).

NOTE 18. EXIT ACTIVITIES

On February 7, 2023, the Company announced its plan to invest approximately \$1 billion in a new recycled paperboard manufacturing facility in Waco, Texas. In conjunction with this project, the Company announced the closure of three smaller recycled paperboard manufacturing facilities to manage capacity while lowering costs. The costs associated with these exit activities are included in the table below for the year ended December 31, 2023.

In the second quarter of 2023, the Company announced its decision to accelerate the closure of one of these three recycled paperboard manufacturing facilities 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 year ended December 31, 2023.

During 2023, the Company decided to close multiple packaging facilities by the end of 2023 and early 2024. Production from these facilities will be consolidated into our existing packaging network. The costs associated with these exit activities are included in the table below for the year ended December 31, 2023.

During the third quarter of 2023, the Company decided to discontinue the project in Texarkana to modify an existing paperboard machine to add swing capacity between bleached and unbleached paperboard in order to focus growth investments in the strategic expansion of recycled paperboard capacity. The Company incurred charges of \$16 million within the Paperboard Manufacturing reportable segment related to the write-off of assets, which were primarily engineering, consulting, and permitting costs for this project. The costs associated with this project are included in the table below for the year ended December 31, 2023.

In March 2022, the Company announced its decision to close the Norwalk, Ohio packaging facility and closed the facility in September 2022. The Company 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 year ended December 31, 2022.

During 2019, the Company announced its plans to invest in a new recycled paperboard machine in Kalamazoo, Michigan. At the time of the announcement, the Company expected to close two of its smaller recycled paperboard manufacturing facilities 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 recycled paperboard manufacturing facilities. In the second quarter of 2022, the Company closed the Battle Creek, Michigan recycled paperboard manufacturing facility. The Company 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 year ended December 31, 2022.

During the years ended December 31, 2023, 2022, and 2021, the Company recorded \$89 million, \$17 million and \$38 million of exit costs, respectively, associated with these restructurings. Other costs associated with the start-up of the new recycled paperboard machine recorded in the period in which they are incurred.

The following table summarizes the costs incurred during 2023, 2022 and 2021 related to these restructurings:

		Year Ended December 31,			
In millions	Location in Statement of Operations		2023	2022	2021
Severance Costs and Other ^(a)	Business Combinations, Exit Activities and Other Special Charges, Net	\$	25 \$	1 \$	21
Asset Write-offs and Start-Up $Costs^{(b)}$	Business Combinations, Exit Activities and Other Special Charges, Net		22	9	
Accelerated Depreciation	Cost of Sales		42	7	17
Total		\$	89 \$	17 \$	38

^(a) Costs incurred include activities for post-employment benefits, retention bonuses, incentives and professional services. (see "*Note 1 - Business Combinations, Exit Activities and Other Special Charges, 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, 2021	\$ 8
Costs Incurred	1
Payments	(6)
Adjustments ^(a)	(2)
Balance at December 31, 2022	\$ 1
Costs Incurred	25
Payments	(4)
Adjustments ^(a)	(1)
Balance at December 31, 2023	\$ 21

^(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 within the Paperboard Manufacturing reportable segment for post-employment benefits, retention bonuses and incentives of \$3 million, and accelerated depreciation and inventory and asset write-offs of \$27 million through December 31, 2023. No further charges or accelerated depreciation are expected related to Tama.

In addition, due to the expected closures of the additional two recycled paperboard manufacturing facilities, the Company incurred charges within the Paperboard Manufacturing reportable segment for post-employment benefits, retention bonuses and incentives of \$13 million, and accelerated depreciation and inventory and asset write-offs of \$5 million through December 31, 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 packaging facilities, the Company incurred charges within the Americas Paperboard Packaging and Europe Paperboard Packaging reportable segments for post-employment benefits, retention bonuses and incentives of \$9 million through December 31, 2023. The Company also incurred charges within the Americas Paperboard Packaging reportable segment for accelerated depreciation and inventory and asset write-offs of \$10 million through December 31, 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 \$10 million to \$15 million and for accelerated depreciation and inventory and asset write-offs in the range of \$15 million through 2024.

Additionally, the Company has incurred start-up charges within the Paperboard Manufacturing reportable segment for the new recycled paperboard manufacturing facility in Waco of \$2 million through December 31, 2023. The Company expects to incur total start-up charges of approximately \$25 million to \$30 million for the new recycled paperboard manufacturing facility through 2026.

NOTE 19. IMPAIRMENT AND DIVESTITURE OF RUSSIAN BUSINESS

In the second quarter of 2022, the Company began the process of divesting its interests in its two packaging facilities in Russia (the "Russian Operations"), which met the criteria to be considered a business, through a sale of 100% of the outstanding shares. The assets and liabilities to be disposed of in connection with this transaction met the held for sale criteria as of June 30, 2022 and each subsequent quarter end through the date of sale. During 2022 and 2023, the Company incurred \$106 million of impairment losses associated with the Russian Operations including \$96 million in 2022, which includes \$12 million of goodwill impairment initially recognized in Q2 2022 and \$10 million in 2023, all of which are included in the Business Combinations, Exit Activities, and Other Special Charges, Net line in the Consolidated Statement of Operations.

On November 30, 2023, the Company completed the sale to former members of management of its Russian Operations (the "Buyer") for total consideration of \$62 million, which was primarily a long-term loan to the Buyer with a maturity date in 2038 (the "Vendor Loan"). Given the current government sanctions and restrictions on movement of currency out of Russia to satisfy payments on the notes, the Company placed a valuation allowance of \$48 million against the Vendor Loan receivable. The Vendor Loan, along with the other transaction agreements, grants the Buyer full power to direct the activities that most significantly impact the Russian Operations and economic rights over the Russian Operations, with no power or participating rights granted to the Company. There are, however, security rights in place to protect and facilitate the repayment of the Vendor Loan. Other rights included in the sale are contingent in nature and the Company does not believe such rights have significant value nor do they confer power to Company in evaluating which party is the primary beneficiary of this VIE. We will continue to monitor such rights and their impacts to the Company, if any, in the future. The Company has concluded that it is not the primary beneficiary of the business upon closing of the sale, and the Russian Operations were deconsolidated as of that date. The Vendor Loan, net is included in Other Assets on the Consolidated Balance Sheet. On the date of the sale, the Company recorded a final additional loss on the sale of \$4 million, which is recorded in the Business Combinations, Exit Activities, and Other Special Charges, Net line in the Consolidated Statement of Operations. The operating results of the Russian Operations for the eleven months ended November 30, 2023 are included in the Company's Sales and Net Income in the Consolidated Statements of Operations. Total Net Sales and Net Income for the Russian Operations during this time were \$90 million and \$8 million, respectively.

In addition, the Company historically had an intercompany payable to the Russian Operations. As of the date of the sale, the intercompany payable was converted to an external third-party loan payable (the "Loan Payable"). The Loan Payable will mature in 2037. The Loan Payable totaling \$35 million is reflected in the Other Noncurrent Liabilities on the Consolidated Balance Sheet.

NOTE 20. RELATED PARTY TRANSACTIONS

In connection with the NACP Combination, the Company entered into agreements with International Paper Company, a New York corporation ("IP") for transition services, fiber procurement fees, and corrugated products and ink supply. Payments to IP for the twelve months ended December 31, 2021 were \$4 million for fiber procurement fees (related to pass through wood purchases of \$81 million) and \$13 million for corrugated products. IP has no ownership interest remaining in GPIP as of May 21, 2021.

NOTE 21. SUBSEQUENT EVENTS

On February 16, 2024, the Company announced that its Board of Directors declared a quarterly dividend of \$0.10 per share of common stock to stockholders of record at the close of business on March 15, 2024. The dividend is payable on April 5, 2024.

On February 20, 2024, the Company entered into a definitive agreement with Clearwater Paper Corporation to sell all of the assets associated with its Augusta, Georgia paperboard manufacturing facility for approximately \$700 million in cash. The transaction is expected to close in the second quarter of 2024, subject to regulatory approvals and other customary closing conditions.

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders of Graphic Packaging Holding Company

Opinions on the Financial Statements and Internal Control over Financial Reporting

We have audited the accompanying consolidated balance sheets of Graphic Packaging Holding Company and its subsidiaries (the "Company") as of December 31, 2023 and 2022, and the related consolidated statements of operations, of comprehensive income, of shareholders' equity and of cash flows for each of the three years in the period ended December 31, 2023, including the related notes (collectively referred to as the "consolidated financial statements"). We also have audited the Company's internal control over financial reporting as of December 31, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2023 and 2022, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2023 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2023, based on criteria established in *Internal Control - Integrated Framework* (2013) issued by the COSO.

Basis for Opinions

The Company's management is responsible for these consolidated financial statements, for maintaining effective internal control over financial reporting, and for its assessment of the effectiveness of internal control over financial reporting, included in Management's Report on Internal Control Over Financial Reporting appearing under Item 9A. Our responsibility is to express opinions on the Company's consolidated financial statements and on the Company's internal control over financial reporting based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud, and whether effective internal control over financial reporting was maintained in all material respects.

Our audits of the consolidated financial statements included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. Our audits of internal control over financial reporting included obtaining an understanding of internal control over financial reporting and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

As described in Management's Report on Internal Control Over Financial Reporting, management has excluded Bell Incorporated ("Bell") from its assessment of internal control over financial reporting as of December 31, 2023 because it was acquired by the Company in a purchase business combination during 2023. We have also excluded Bell from our audit of internal control over financial reporting. Bell is a wholly-owned subsidiary whose total assets and total revenues excluded from management's assessment and our audit of internal control over financial reporting represent 2.4% and 0.6%, respectively, of the related consolidated financial statement amounts as of and for the year ended December 31, 2023.

Definition and Limitations of Internal Control over Financial Reporting

A company's internal control over financial reporting is a process designed 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. A company's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Critical Audit Matters

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that (i) relates to accounts or disclosures that are material to the consolidated financial statements and (ii) involved our especially challenging, subjective, or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

Goodwill Impairment Assessment - Europe Reporting Unit

As described in Note 1 to the consolidated financial statements, the Company's consolidated goodwill balance was \$2,103 million as of December 31, 2023. As disclosed by management, the goodwill associated with the Europe reporting unit was \$499 million as of December 31, 2023. Management tests goodwill for impairment annually as of October 1, as well as whenever events or changes in circumstances suggest that the estimated fair value of a reporting unit may no longer exceed its carrying amount. Potential goodwill impairment is measured at the reporting unit level by comparing the reporting unit's carrying amount (including goodwill), to the fair value of the reporting unit. When performing the quantitative analysis, the estimated fair value of each reporting unit is determined by utilizing a discounted cash flow analysis based on the Company's forecasts, discounted using a weighted average cost of capital and market indicators of terminal year cash flows based upon a multiple of EBITDA. In determining fair value of the Europe reporting unit, management relies on and considers a number of factors, including but not limited to, future operating results, business plans, economic projections of revenues and operating margins, forecasts including future cash flows, and market data and analysis, including market capitalization.

The principal considerations for our determination that performing procedures relating to the goodwill impairment assessment for the Europe reporting unit are a critical audit matter are (i) the high degree of auditor judgment and subjectivity in performing procedures related to the fair value of the reporting unit due to the significant judgment by management when determining the estimated fair value of the Europe reporting unit; (ii) the significant audit effort in evaluating management's significant assumption related to economic projections of operating margins; and (iii) the audit effort involved the use of professionals with specialized skill and knowledge.

Addressing the matter involved performing procedures and evaluating audit evidence in connection with forming our overall opinion on the consolidated financial statements. These procedures included testing the effectiveness of controls relating to management's goodwill impairment assessment, including controls over the valuation of the Company's Europe reporting unit and the development of the significant assumption related to economic projections of operating margins. These procedures also included, among others, testing management's process for determining the fair value of the Europe reporting unit; evaluating the appropriateness of the discounted cash flow analysis; and evaluating the reasonableness of the significant assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of operating margins. Evaluating the assumption related to economic projections of unit; (ii) the consistency with external market and industry data; and (iii) whether this assumption was consistent with evidence obtained in other areas of the audit. Professionals with specialized skill and knowledge were used to assist in evaluating the appropriateness of the discounted cash flow analysis.

/s/ PricewaterhouseCoopers LLP Atlanta, Georgia February 21, 2024

We have served as the Company's auditor since 2020.

ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE

None.

ITEM 9A. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

The Company's management has established disclosure controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Securities Exchange Act of 1934, as amended (the "Exchange Act") is recorded, processed, summarized and reported within time periods specified in the Securities and Exchange Commission rules and forms. Such disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act is accumulated and communicated to the Company's management to allow timely decisions regarding required disclosure. Based on management's evaluation as of the end of the period covered by this Annual Report on Form 10-K, the Company's Chief Executive Officer and Chief Financial Officer have concluded that the Company's disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d15(e) promulgated under the Exchange Act) were effective as of December 31, 2023, the end of the period covered by this Annual Report on Form 10-K.

Management's Report on Internal Control Over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting for the Company, as such term is defined in Exchange Act Rule 13a-15(f). Internal control over financial reporting is a process designed 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. Internal control over financial edetail, accurately and fairly reflect the transactions and dispositions of the Company's assets; (ii) provide reasonable assurance with generally accepted accounting statements in accordance with generally accepted accounting principles, and that receipts and expenditures are being made only with proper authorizations; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. The Company's management did not include in its assessment the internal controls of Bell Incorporated ("Bell"), which was acquired by the company in business combinations in 2023 and is included in the Company's results for the year ended December 31, 2023. As of December 31, 2023, the Bell acquisition total assets represent 2.4% of the Company's consolidated total assets. Net Sales attributable to the Bell acquisition represented less than 0.6% of the Company's consolidated Net Sales for the twelve months ended December 31, 2023.

The effectiveness of the Company's internal control over financial reporting as of December 31, 2023 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report which appears herein.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting during the quarter ended December 31, 2023 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

ITEM 9B. OTHER INFORMATION

None.

ITEM 9C. DISCLOSURE REGARDING FOREIGN JURISDICTIONS THAT PREVENT INSPECTIONS

Not Applicable.

PART III

ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE

Pursuant to Instruction G(3) to Form 10-K, the information relating to Directors of the Registrant, compliance with Section 16(a) of the Exchange Act, compliance with the Company's Code of Ethics, and certain other information required by Item 10 is incorporated by reference to the Registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders, which is to be filed pursuant to Regulation 14A within 120 days after the end of the Registrant's fiscal year ended December 31, 2023.

ITEM 11. EXECUTIVE COMPENSATION

Pursuant to Instruction G(3) to Form 10-K, the information required by Item 11 is incorporated by reference to the Registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders, which is to be filed pursuant to Regulation 14A within 120 days after the end of the Registrant's fiscal year ended December 31, 2023.

ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

Pursuant to Instruction G(3) to Form 10-K, the information required by Item 12 is incorporated by reference to the Registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders, which is to be filed pursuant to Regulation 14A within 120 days after the end of the Registrant's fiscal year ended December 31, 2023.

ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Pursuant to Instruction G(3) to Form 10-K, the information required by Item 13 is incorporated by reference to the Registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders, which is to be filed pursuant to Regulation 14A within 120 days after the end of the Registrant's fiscal year ended December 31, 2023.

ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES

Pursuant to Instruction G(3) to Form 10-K, the information required by Item 14 is incorporated by reference to the Registrant's definitive Proxy Statement for the 2024 Annual Meeting of Stockholders, which is to be filed pursuant to Regulation 14A within 120 days after the end of the Registrant's fiscal year ended December 31, 2023.

PART IV

ITEM 15. EXHIBITS AND FINANCIAL STATEMENT SCHEDULES

- a. Financial statements, financial statement schedule and exhibits filed as part of this report:
 - 1. Consolidated Statements of Operations for each of the three years in the period ended December 31, 2023

Consolidated Statements of Comprehensive Income for each of the three years in the period ended December 31, 2023

Consolidated Balance Sheets as of December 31, 2023, and 2022

Consolidated Statements of Shareholders' Equity for each of the three years in the period ended December 31, 2023

Consolidated Statements of Cash Flows for each of the three years in the period ended December 31, 2023

Notes to Consolidated Financial Statements

Reports of Independent Registered Public Accounting Firm

- 2. All schedules are omitted as the information required is either included elsewhere in the consolidated financial statements herein or is not applicable.
- 3. Exhibits to Annual Report on Form 10-K for Year Ended December 31, 2023.

Exhibit Number	Description
3.1	Restated Certificate of Incorporation of New Giant Corporation. Filed as Exhibit 3.1 to Graphic Packaging Holding Company's Current Report on Form 8-K filed on March 10, 2008 and incorporated herein by reference.
3.2	Bylaws of Graphic Packaging Holding Company, as amended on May 20, 2015. Filed as Exhibit 3.1 to Graphic Packaging Holding Company's Current Report on Form 8-K filed on May 27, 2015 and incorporated herein by reference.
3.3	<u>Certificate of Formation of Graphic Packaging International, LLC. Filed as Exhibit 3.1 to the Registrant's</u> <u>Current Report on Form 8-K filed on January 1, 2018 and incorporated herein by reference.</u>
3.4	Amended and Restated Limited Liability Company Operating Agreement of Graphic Packaging International, LLC. Filed as Exhibit 3.2 to the Registrant's Current Report on Form 8-K filed on January 1, 2018 and incorporated herein by reference.
4.1	Indenture dated as of November 6, 2014, by and among Graphic Packaging International, Inc., the guarantors named therein and U.S. Bank National Association, as trustee. Filed as Exhibit 4.1 to the Registrant's Current Report on Form 8-K filed on November 6, 2014 and incorporated herein by reference.
4.2	First Supplemental Indenture dated as of November 6, 2014 by and among Graphic Packaging International, Inc. the guarantors named therein and U.S. Bank National Association, as trustee. Filed as Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed on November 6, 2014 and incorporated herein by reference.
4.3	Second Supplemental Indenture dated as of August 11, 2016 by and among Graphic Packaging International Inc., Graphic Packaging Holding Company, the other guarantors named therein and U.S. Bank National Association as trustee. Filed as Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed on August 11, 2016 and incorporated herein by reference.
4.4	Supplemental Indenture among Graphic Packaging International, Inc., Graphic Packaging Holding Company, the other guarantors party thereto and U.S. Bank National Association, as Trustee, with respect to the 4.875% Senior Notes due 2022. Filed as Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed on October 24, 2017 and incorporated herein by reference.
4.5	Supplemental Indenture among Graphic Packaging International, Inc., Graphic Packaging Holding Company, the other guarantors party thereto and U.S. Bank National Association, as Trustee, with respect to the 4.125% Senior Notes due 2024. Filed as Exhibit 10.3 to the Registrant's Current Report on Form 8-K filed on October 24, 2017 and incorporated herein by reference.

- 4.6 Third Supplemental Indenture dated as of June 25, 2019, by and among Graphic Packaging International, LLC, the guarantors listed therein and U.S. Bank, National Association. Filed as Exhibit 4.2 to Graphic Packaging Holding Company and Graphic Packaging International, LLC's current report on Form 8-K filed on June 25, 2019 and incorporated herein by reference.
- 4.7 Fourth Supplemental Indenture dated March 6, 2020, by and among Graphic Packaging International, LLC, the guarantors listed therein and U.S. Bank National Association, as Trustee, with respect to the 3.5% Senior Notes due 2028. Filed as Exhibit 4.2 to the Registrant's Form 8-K filed on March 6, 2020 and incorporated herein by reference.
- 4.8 Fifth Supplemental Indenture dated August 20, 2020, by and among Graphic Packaging International, LLC, the guarantors listed therein and U.S. Bank National Association, as Trustee, with respect to the 3.5% Senior Notes due 2029. Filed as Exhibit 4.2 to the Registrant's Form 8-K filed on August 31, 2020 and incorporated herein by reference.
- 4.9 Sixth Supplemental Indenture dated as of March 8, 2021, by and among Graphic Packaging International, LLC, Graphic Packaging International Partners, LLC, the guarantors listed therein and U.S. Bank, N.A. (including the form of Note attached as an exhibit thereto). Filed as Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed on March 8, 2021 and incorporated herein by reference.
- 4.10 Seventh Supplemental Indenture, dated as of November 19, 2021, by and among Graphic Packaging International, LLC, Graphic Packaging International Partners, LLC, the guarantors listed therein and U.S. Bank, National Association (including the form of Note attached as an exhibit thereto). Filed as Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed on November 19, 2021 and incorporated herein by reference.
- 4.11 Eighth Supplemental Indenture, dated as of November 19, 2021, by and among Graphic Packaging International, LLC, Graphic Packaging International Partners, LLC, the guarantors listed therein, U.S. Bank, National Association, Elavon Financial Services DAC, UK Branch, and Elavon Financial Services DAC (including the form of Note attached as an exhibit thereto). Filed as Exhibit 4.3 to the Registrant's Current Report on Form 8-K filed on November 19, 2021 and incorporated herein by reference.
- 10.1* <u>GPI U.S. Consolidated Pension Plan Master Document as amended and restated, effective January 1, 2017. Filed</u> as exhibit 10.1 to the Registrant's Annual Report on Form 10-K filed on February 8, 2017 and incorporated herein by reference.
- 10.2* Amended and Restated Employment Agreement dated as of November 19, 2015 by and among Graphic Packaging International, Inc., the Registrant and Michael P. Doss. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on November 19, 2015 and incorporated herein by reference.
- 10.3* Graphic Packaging Excess Benefit Plan, as amended and restated, effective as of January 1, 2009. Filed as Exhibit 10.22 to Registrant's Annual Report on Form 10-K filed on February 23, 2010 and incorporated herein by reference.
- 10.4* Graphic Packaging Supplemental Retirement Plan, as amended and restated, effective as of January 1, 2009. Filed as Exhibit 10.23 to Registrant's Annual Report on Form 10-K filed on February 23, 2010 and incorporated herein by reference.
- 10.5* Graphic Packaging Holding Company 2014 Omnibus Stock and Incentive Compensation Plan effective as of May 21, 2014. Filed as Appendix A to the Registrant's Definitive Proxy Statement on Schedule 14A filed on April 10, 2014 and incorporated herein by reference.
- 10.6* Graphic Packaging International, LLC Management Incentive Plan, effective as of January 1, 2024.
- 10.7* Graphic Packaging International, Inc. Supplemental Plan for Participants in the Riverwood International Employees Retirement Plan, as amended and restated, effective as of January 1, 2009. Filed as Exhibit 10.36 to the Registrant's Annual Report on Form 10-K filed on February 23, 2010 and incorporated herein by reference.
- 10.8 <u>Amended and Restated Form of Indemnification Agreement for Directors. Filed as Exhibit 10.1 to the</u> <u>Registrant's Quarterly Report on Form 10-Q filed on November 4, 2010 and incorporated herein by reference.</u>
- 10.9* First Amendment to the Graphic Packaging International, Inc. Supplemental Plan for Participants in the Riverwood International Employees Retirement Plan. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on May 24, 2012 and incorporated herein by reference.
- 10.10* Employment Agreement dated as of April 1, 2012 by and among Graphic Packaging International, Inc., Graphic Packaging Holding Company and Stephen Scherger. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on April 5, 2012 and incorporated herein by reference.
- 10.11* Amended and Restated Employment Agreement among the Registrant, Graphic Packaging International, Inc. and Joseph P. Yost effective September 1, 2015. Filed as Exhibit 10.38 to the Registrant's Annual Report on Form 10-K filed on February 12, 2016 and incorporated herein by reference.
- 10.12* Graphic Packaging International, Inc. Executive Severance Plan dated as of February 25, 2014. Filed as Exhibit 10.39 to the Registrant's Annual Report on Form 10-K filed on February 12, 2016 and incorporated herein by reference.

- 10.13* First Amendment to the Graphic Packaging Holding Company 2014 Omnibus Stock and Incentive Compensation Plan effective January 1, 2017. Filed as exhibit 10.33 to the Registrant's Annual Report on Form 10-K filed on February 8, 2017 and incorporated herein by reference.
- 10.14* First Amendment to the GPI US Consolidated Pension Plan, dated as of May 19, 2017 and effective as of January 1, 2017. Filed as Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q filed on July 26, 2017 and incorporated herein by reference.
- 10.15* Graphic Packaging International, Inc. Non-Qualified Deferred Compensation Plan, as amended and restated effective November 1, 2017. Filed as Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q filed on October 25, 2017 and incorporated herein by reference.
- 10.16* First Amendment to the Amended and Restated Graphic Packaging International, Inc. Non-Qualified Deferred Compensation Plan effective January 1, 2018. Filed as Exhibit 10.51 to the Registrant's Annual Report on Form 10-K filed on February 7, 2018 and incorporated herein by reference.
- 10.17* Second Amendment to the GPI US Consolidated Pension Plan dated as of November 8, 2017. Filed as Exhibit 10.52 to the Registrant's Annual Report on Form 10-K filed on February 7, 2018 and incorporated herein by reference.
- 10.18* Third Amendment to the GPI US Consolidated Pension Plan effective as of January 1, 2018. Filed as Exhibit 10.53 to the Registrant's Annual Report on Form 10-K filed on February 7, 2018 and incorporated herein by reference.
- 10.19* Fourth Amendment to the GPI US Consolidated Pension Plan dated as of December 20, 2018. Filed as Exhibit 10.50 to the Registrant's Annual Report on Form 10-K filed on February 13, 2019 and incorporated herein by reference.
- 10.20* Fifth Amendment to the GPI US Consolidated Pension Plan effective as of January 1, 2017. Filed as Exhibit 10.44 to the Registrant's Annual report on Form 10-K filed on February 11, 2020 and incorporated herein by reference.
- 10.21 Non-Participating Single Premium Group Annuity Contract Proposal dated January 16, 2020 by and among Graphic Packaging International, LLC, American General Life Insurance Company and The United States Life Insurance Company in the City of New York. Filed as Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q filed on April 21, 2020 and incorporated herein by reference.
- 10.22* Directors' Non-Qualified Deferred Compensation Plan effective January 1, 2021. Filed as Exhibit 10.1 to the Registrant's Quarterly Report on Form 10-Q for the quarter ended March 31, 2021 filed on April 27, 2021 and incorporated herein by reference.
- 10.23 Consent and Waiver Agreement dated as of February 16, 2021 by and among Graphic Packaging International Partners, LLC, Graphic Packaging Holding Company, GPI Holding III, LLC and International Paper Company. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on February 16, 2021 and incorporated herein by reference.
- 10.24 Fourth Amended and Restated Credit Agreement dated as of April 1, 2021 by and among Graphic Packaging International, LLC and certain subsidiaries thereof as Borrowers, the lenders and agents named therein, and Bank of America, N.A., as Administrative Agent. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K on April 1, 2021 and incorporated herein by reference.
- 10.25 Share Purchase Agreement dated May 12, 2021 among Sarcina Holdings S.a.r.l., the other sellers named therein and Graphic Packaging International Europe Holdings B.V. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on May 14, 2021 and incorporated herein by reference.
- 10.26 Consent and Waiver Agreement dated as of May 19, 2021 by and among Graphic Packaging International Partners, LLC, Graphic Packaging Holding Company, GPI Holding I, Inc. and International Paper Company. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on May 20, 2021 and incorporated herein by reference.
- 10.27 Incremental Facility Amendment by and among Graphic Packaging International, LLC, as Borrower, Graphic Packaging International Partners, LLC and Field Container Queretaro (USA), L.L.C., as Guarantors, Bank of America, N.A. as Administrative Agent and CoBank, ACB, as Incremental Term A-3 Lead Arranger and Incremental Term A-3 Lender. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on July 21, 2021 and incorporated herein by reference.
- 10.28 Amendment No. 1 to the Fourth Amended and Restated Credit Agreement and Fourth Amended and Restated Guarantee and Collateral Agreement and Incremental Facility Amendment (Incremental Euro Tranche Increase and Incremental Euro Term Facility), by and among Graphic Packaging International, LLC and certain subsidiaries thereof as Borrowers, the lenders and agents named therein and Bank of America, N.A., as Administrative Agent. Filed as Exhibit 10.2 to the Registrant's Current Report on Form 8-K filed on July 21, 2021 and incorporated herein by reference.

- 10.29 Incremental Facility Amendment by and among Graphic Packaging International, LLC, as Borrower, Graphic Packaging International Partners, LLC and Field Container Queretaro (USA), L.L.C. as Guarantors, Bank of America, N.A., as Administrative Agent and the Incremental Term A-4 Lenders party thereto, and acknowledged and agreed to by Graphic Packaging Holding Company. Filed as Exhibit 10.1 to the Registrant's Current Report on Form 8-K filed on October 6, 2021 and incorporated herein by reference.
- 10.30* Amended and Restated GPI Savings Plan dated December 16, 2022 and effective January 1, 2023. Filed as Exhibit 10.55 to the Registrant's Annual Report on Form 10-K filed on February 9, 2023 and incorporated herein by reference.
- 10.31 Amendment No. 2 to Fourth Amended and Restated Credit Agreement dated November 4, 2022 among Graphic Packaging International, LLC, certain subsidiaries of Graphic Packaging International, LLC, Graphic Packaging International Partners, LLC, Graphic Packaging Holding Company, the several banks and other financial institutions parties to the amendment, and Bank of America, N.A., as administrative agent. Filed as Exhibit 10.56 to the Registrant's Annual Report on Form 10-K filed on February 9, 2023 and incorporated herein by reference.
- 10.32 Amendment No. 3 to the Fourth Amended and Restated Credit Agreement dated as of February 7, 2023 by and among Graphic Packaging International, LLC and certain subsidiaries thereof as borrowers and guarantors, Graphic Packaging International Partners, LLC, the lenders and agents named therein, Bank of America, N.A. as Administrative Agent, and acknowledged and agreed to by Graphic Packaging Holding Company. Filed as Exhibit 10.57 to the Registrant's Annual Report on Form 10-K filed on February 9, 2023 and incorporated herein by reference.
- 10.33 Amended and Restated Master Services Agreement between Graphic Packaging International, LLC and NTT Data Americas, Inc. dated December 15, 2023.
- 10.34* Second Amendment dated December 12, 2023 to the GPI Savings Plan (As Amended and Restated effective January 1, 2023).
- 14.1 Code of Business Conduct and Ethics dated as of December 23, 2020. Filed as Exhibit 14.1 to the Registrant's From 10-K filed on February, 22, 2022 and incorporated herein by reference.
- 19.1 Policy on Trading in Securities of Graphic Packaging Holding Company (As Amended and Restated as of July 27, 2023).
- 21.1 List of Subsidiaries.
- 22.1 <u>Guarantors and Issuers of Guaranteed Securities.</u>
- 23.1 <u>Consent of Independent Registered Public Accounting Firm.</u>
- 24.1 Power of Attorney. Incorporated by reference to the signature page of this Annual Report on Form 10-K.
- 31.1 <u>Certification required by Rule 13a-14(a).</u>
- 31.2 <u>Certification required by Rule 13a-14(a).</u>
- 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.
- 97.1 Graphic Packaging Holding Company Compensation Recoupment Policy effective November 15, 2023.
- 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).

^{*} Executive compensation plan or agreement

ITEM 16. FORM 10-K SUMMARY

None.

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)

/s/ Stephen R. Scherger

Stephen R. Scherger

Executive Vice President and Chief Financial Officer (Principal Financial Officer) February 21, 2024

Pursuant to the requirements of the Securities Exchange Act of 1934, this report on Form 10-K has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

/s/ Michael P. Doss Michael P. Doss	President and Chief Executive Officer (Principal Executive Officer)	February 21, 2024
/s/ Stephen R. Scherger Stephen R. Scherger	Executive Vice President and Chief Financial Officer (Principal Financial Officer)	February 21, 2024
/s/ Charles D. Lischer Charles D. Lischer	Senior Vice President and Chief Accounting Officer (Principal Accounting Officer)	February 21, 2024

POWER OF ATTORNEY

Each of the directors of the Registrant whose signature appears below hereby appoints Stephen R. Scherger and Lauren S. Tashma, and each of them severally, as his or her attorney-in-fact to sign in his or her name and behalf, in any and all capacities stated below, and to file with the Securities and Exchange Commission any and all amendments to this report on Form 10-K, making such changes in this report on Form 10-K as appropriate, and generally to do all such things on their behalf in their capacities as directors and/or officers to enable the Registrant to comply with the provisions of the Securities Exchange Act of 1934, and all requirements of the Securities and Exchange Commission.

<u>Signatures</u>	<u>Title</u>	Date
/s/ Aziz Aghili	Director	February 21, 2024
Aziz Aghili		
/s/ Laurie Brlas Laurie Brlas	Director	February 21, 2024
/s/ Michael P. Doss Michael P. Doss	Director, President and Chief Executive Officer	February 21, 2024
/s/ Robert A. Hagemann Robert A. Hagemann	Director	February 21, 2024
/s/ Philip R. Martens Philip R. Martens	Chairman of the Board	February 21, 2024
/s/ Mary K. Rhinehart Mary K. Rhinehart	Director	February 21, 2024
/s/ Dean A. Scarborough Dean A. Scarborough	Director	February 21, 2024
/s/ Larry M. Venturelli Larry M. Venturelli	Director	February 21, 2024
/s/ Lynn A. Wentworth Lynn A. Wentworth	Director	February 21, 2024



Corporate Information

BOARD OF DIRECTORS



Aziz Aghili ^{1,2} EVP and President of Dana Incorporated Heavy Vehicle Group



Laurie Brlas ^{2,3} Former EVP and CFO Newmont Mining Corporation, a mining industry leader



Michael P. Doss President and CEO Graphic Packaging Holding Company



Robert A. Hagemann ^{1,3} Former SVP and CFO Quest Diagnostics Incorporated, a diagnostic testing information services leader



Philip R. Martens ³ Former President and CEO Novelis Inc., a rolled aluminum manufacturing company



Mary Rhinehart ^{1,2} Chair of the Board, Johns Manville, a leading building and specialty products manufacturer

¹Audit Committee



Dean A. Scarborough ^{1,2} Former CEO Avery Dennison Corporation, a packaging and labeling solutions leader



Larry M. Venturelli ^{1,3} Former EVP and CFO Whirlpool Corporation, the world's leading manufacturer of home appliances



Lynn A. Wentworth ^{2,3} Former SVP, CFO and Treasurer BlueLinx Holdings Inc., a building products company

STOCKHOLDER INFORMATION

² Compensation & Management Development Committee ³ Nominating & Corporate Governance Committee

Transfer Agent and Registrar

Broadridge Corporate Issuer Solutions, Inc. P.O. Box 1342 Brentwood, NY 11717 Toll Free: 877-830-4931 shareholder.broadridge.com email: SHAREHOLDER@BROADRIDGE.COM

Stock Listing

Graphic Packaging Holding Company's common stock is listed on the New York Stock Exchange (NYSE) under the ticker symbol "GPK."

Investor Information

investors.graphicpkg.com

Financial Reports

Graphic Packaging Holding Company's 2023 Annual Report on Form 10-K is filed with the SEC and is available online at: investors.graphicpkg.com.

Annual Meeting

The 2024 Annual Meeting of Stockholders will be held at 10 a.m. ET on Thursday, May 23, 2024, at the Graphic Packaging Holding Company Headquarters, 1500 Riveredge Parkway NW Suite 100, Atlanta, GA 30328.



Corporate Offices 1500 Riveredge Parkway, NW Suite 100 Atlanta, GA 30328 (770) 240-7200

www.graphicpkg.com

