# **UNITED STATES** SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# **FORM 10-Q**

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

For the quarterly period ended September 30, 2023

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 1-15399



(Exact Name of Registrant as Specified in its Charter)

#### **Delaware**

(State or Other Jurisdiction of Incorporation or Organization)

36-4277050

(I.R.S. Employer Identification No.)

#### 1 North Field Court, Lake Forest, Illinois

(Address of Principal Executive Offices)

60045

(Zip Code)

#### Registrant's telephone number, including area code (847) 482-3000

			ecurities Exchange Act of 1934 during ts for the past 90 days. Yes 🗵 No [	
		nitted electronically every Interactive Da riod that the registrant was required to su	mitted pursuant to Rule 405 of Regulati ☑ No □	ion S-T (§232.405 of this
		accelerated filer, an accelerated filer, a ler reporting company," and "emerging	aller reporting company, or an emerging e 12b-2 of the Exchange Act.	growth company. See the
Large accelerated filer	$\boxtimes$	Accelerated filer	Emerging growth company	
Non-accelerated filer		Smaller reporting company		

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

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

As of October 27, 2023, the Registrant had outstanding 89,624,297 shares of common stock, par value \$0.01 per share.

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

Non-accelerated filer

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value \$0.01 per share	PKG	New York Stock Exchange

#### **Table of Contents**

#### PART I

Item 1.	<u>Financial Statements</u>	1
Item 2.	Management's Discussion and Analysis of Financial Condition and Results of Operations	17
Item 3.	Quantitative and Qualitative Disclosures About Market Risk	28
Item 4.	Controls and Procedures	28
	PART II	
Item 1.	<u>Legal Proceedings</u>	29
Item 1A.	Risk Factors	29
Item 2.	Unregistered Sales of Equity Securities and Use of Proceeds	29
Item 3.	<u>Defaults Upon Senior Securities</u>	29
Item 4.	Mine Safety Disclosures	29
Item 5.	Other Information	29
Item 6.	<u>Exhibits</u>	30

All reports we file with the Securities and Exchange Commission (SEC) are available free of charge via the Electronic Data Gathering Analysis and Retrieval (EDGAR) System on the SEC website at www.sec.gov. We also provide copies of our SEC filings at no charge upon request and make electronic copies of our reports available through our website at www.packagingcorp.com as soon as reasonably practicable after filing such material with the SEC.

# PART I FINANCIAL INFORMATION

#### Item 1. FINANCIAL STATEMENTS

# **Packaging Corporation of America**

# **Consolidated Statements of Income and Comprehensive Income**

(unaudited, dollars in millions, except per-share data)

	Three Months Ended					Nine Months Ended			
	<u> </u>	Septem	ber 30	),		Septem	),		
		2023		2022		2023		2022	
Statements of Income:									
Net sales	\$	1,936.0	\$	2,125.9	\$	5,864.5	\$	6,499.6	
Cost of sales		(1,523.3)		(1,607.5)		(4,575.7)		(4,859.3)	
Gross profit		412.7		518.4		1,288.8		1,640.3	
Selling, general and administrative expenses		(144.2)		(145.2)		(438.1)		(462.9)	
Other expense, net		(9.9)		(12.9)		(37.1)		(44.7)	
Income from operations		258.6		360.3		813.6		1,132.7	
Non-operating pension (expense) income		(1.8)		3.6		(5.8)		10.9	
Interest expense, net		(12.3)		(16.5)		(42.2)		(55.3)	
Income before taxes		244.5		347.4		765.6		1,088.3	
Provision for income taxes		(61.3)		(84.9)		(189.6)		(270.1)	
Net income	\$	183.2	\$	262.5	\$	576.0	\$	818.2	
Net income per common share:									
Basic	\$	2.04	\$	2.81	\$	6.41	\$	8.74	
Diluted	\$	2.03	\$	2.80	\$	6.38	\$	8.70	
Dividends declared per common share	\$	1.25	\$	1.25	\$	3.75	\$	3.50	
Statements of Comprehensive Income:									
Net income	\$	183.2	\$	262.5	\$	576.0	\$	818.2	
Other comprehensive income, net of tax:									
Changes in unrealized gains (losses) on marketable debt securities, net of tax of (\$0.1) million, \$0.2 million, (\$0.3) million, and									
\$0.7 million, respectively		0.4		(0.6)		0.9		(2.1)	
Amortization of pension and postretirement plans actuarial loss and prior service cost, net of tax of (\$0.5) million, (\$0.4) million,									
(\$1.6) million, and (\$1.2) million, respectively		1.6		1.2		4.8		3.5	
Other comprehensive income		2.0		0.6		5.7	-	1.4	
Comprehensive income	\$	185.2	\$	263.1	\$	581.7	\$	819.6	

See accompanying condensed notes to unaudited quarterly consolidated financial statements.

# **Packaging Corporation of America**

# **Consolidated Balance Sheets**

(unaudited, dollars and shares in millions, except per-share data)

	Sept	September 30, 2023		ecember 31, 2022
ASSETS				
Current assets:				
Cash and cash equivalents	\$	573.2	\$	320.0
Short-term marketable debt securities		104.0		85.2
Accounts receivable, net of allowance for credit losses and customer deductions of \$13.4 million and \$19.6 million as of September 30, 2023 and December 31, 2022,				
respectively		1,045.2		1,031.8
Inventories		986.1		977.3
Prepaid expenses and other current assets		64.8		58.3
Federal and state income taxes receivable		<u> </u>		35.7
Total current assets		2,773.3		2,508.3
Property, plant, and equipment, net		3,863.4		3,900.0
Goodwill		922.4		922.4
Other intangible assets, net		239.2		267.9
Operating lease right-of-use assets		279.0		298.3
Long-term marketable debt securities		49.3		64.9
Other long-term assets		51.0		42.0
Total assets	\$	8,177.6	\$	8,003.8
LIABILITIES AND STOCKHOLDERS' EQUITY				
Current liabilities:				
Current maturities of long-term debt	\$	399.5	\$	_
Operating lease obligations		77.1		72.2
Finance lease obligations		2.0		1.9
Accounts payable		405.9		410.4
Dividends payable		115.4		115.5
Accrued liabilities		245.1		263.7
Accrued interest		25.5		11.8
Federal and state income taxes payable		8.4		_
Total current liabilities		1,278.9		875.5
Long-term liabilities:				
Long-term debt		2,075.7		2,473.6
Operating lease obligations		213.0		234.6
Finance lease obligations		9.3		10.8
Deferred income taxes		536.8		543.0
Compensation and benefits		116.4		141.8
Other long-term liabilities		60.3		57.4
Total long-term liabilities		3,011.5		3,461.2
Commitments and contingent liabilities (Note 19)				
Stockholders' equity:				
Common stock, par value \$0.01 per share, 300.0 million shares authorized, 89.6 million and 89.7 million shares issued as of September 30, 2023 and December 31, 2022,		0.0		0.9
respectively  Additional paid in capital		0.9 612.5		581.8
Retained earnings		3,370.5		3,186.8
				•
Accumulated other comprehensive loss		(96.7)		(102.4)
Total stockholders' equity		3,887.2	Φ.	3,667.1
Total liabilities and stockholders' equity	\$	8,177.6	\$	8,003.8

 $See \ accompanying \ condensed \ notes \ to \ unaudited \ quarterly \ consolidated \ financial \ statements.$ 

# **Packaging Corporation of America**

# **Consolidated Statements of Cash Flows**

(unaudited, dollars in millions)

Nine Months Ended September 30.

	<u></u>	September 30,							
	2	2023		2022					
Cash Flows from Operating Activities:									
Net income	\$	576.0	\$	818.2					
Adjustments to reconcile net income to net cash provided by operating activities:									
Depreciation, depletion, and amortization of intangibles		386.8		338.0					
Amortization of deferred financing costs		1.6		1.5					
Share-based compensation expense		32.5		28.7					
Deferred income tax (benefit) provision		(7.7)		47.3					
Net loss on asset disposals		5.2		11.1					
Pension and post-retirement benefits expense, net of contributions		(35.8)		(48.1)					
Other, net		11.0		4.0					
Changes in operating assets and liabilities:									
Increase in assets —									
Accounts receivable		(13.4)		(41.6)					
Inventories		(8.8)		(92.8)					
Prepaid expenses and other current assets		(6.8)		(20.1)					
Increase (decrease) in liabilities —									
Accounts payable		(1.1)		8.9					
Accrued liabilities		(3.8)		18.6					
Federal and state income taxes payable/receivable		44.1		1.2					
Net cash provided by operating activities		979.8		1,074.9					
Cash Flows from Investing Activities:									
Additions to property, plant, and equipment		(328.6)		(577.1)					
Additions to other long-term assets		(2.5)		(5.8)					
Proceeds from asset disposals		1.5		1.8					
Purchases of marketable debt securities		(76.1)		(98.0)					
Proceeds from sales of marketable debt securities		2.2		28.4					
Proceeds from maturities of marketable debt securities		72.4		66.9					
Other, net		_		1.9					
Net cash used for investing activities		(331.1)		(581.9)					
Cash Flows from Financing Activities:									
Repayments of debt and finance lease obligations		(1.4)		(1.3)					
Common stock dividends paid		(336.9)		(304.4)					
Repurchases of common stock		(41.5)		(142.0)					
Shares withheld to cover employee restricted stock taxes		(15.7)		(15.3)					
Net cash used for financing activities		(395.5)		(463.0)					
Net increase in cash and cash equivalents		253.2	-	30.0					
Cash and cash equivalents, beginning of period		320.0		618.7					
Cash and cash equivalents, end of period	\$	573.2	\$	648.7					

See accompanying condensed notes to unaudited quarterly consolidated financial statements.

# **Packaging Corporation of America**

# Consolidated Statements of Changes in Stockholders' Equity

(unaudited, dollars in millions and shares in thousands)

	Common Shares	n Stoc	k Amount	1	Additional Paid in Capital		Retained Earnings		Accumulated Other Omprehensive Loss	Ste	Total ockholders' Equity
Balance at July 1, 2023	89,916	\$	0.9	\$	607.4	\$	3,339.0	\$	(98.7)	\$	3,848.6
Common stock repurchases and retirements	(286)		_		(2.5)		(39.0)				(41.5)
Common stock withheld and retired to cover taxes on vested stock awards	(1)		_		_		(0.2)		_		(0.2)
Common stock dividends declared	_		_		_		(112.5)		_		(112.5)
Share-based compensation and other	(4)		_		7.6		_		_		7.6
Comprehensive income							183.2		2.0		185.2
Balance at September 30, 2023	89,625	\$	0.9	\$	612.5	\$	3,370.5	\$	(96.7)	\$	3,887.2
	Common	n Stoc	k Amount	1	Additional Paid in Capital		Retained Earnings		Accumulated Other Omprehensive Loss	St	Total ockholders' Equity
Balance at July 1, 2022	93,686	\$	0.9	\$	601.0	\$	3,437.0	\$	(74.4)	\$	3,964.5
Common stock repurchases and retirements	(1,032)	Ψ		Ψ	(8.5)	Ψ	(133.5)	Ψ	(/ 4.4 )	Ψ	(142.0)
Common stock reputchases and retired to cover taxes on vested stock awards	(43)		_		(0.4)		(5.5)		_		(5.9)
Common stock dividends declared	(.s) —		_		—		(116.7)		_		(116.7)
Share-based compensation and other	90		_		8.5		(0.3)		_		8.2
Comprehensive income	_		_		_		262.5		0.6		263.1
Balance at September 30, 2022	92,701	\$	0.9	\$	600.6	\$	3,443.5	\$	(73.8)	\$	3,971.2
	Commoi Shares	n Stoc	k Amount	1	Additional Paid in Capital		Retained Earnings		Accumulated Other Omprehensive Loss	St	Total ockholders' Equity
Balance at January 1, 2023		n Stoc		\$		\$	Retained Earnings 3,186.8		Other omprehensive	Ste	
Balance at January 1, 2023  Common stock repurchases and retirements	Shares		Amount		Paid in Capital	\$	Earnings	Co	Other omprehensive Loss		ockholders' Equity
-	Shares 89,695		Amount		Paid in Capital 581.8	\$	Earnings 3,186.8	Co	Other omprehensive Loss		ockholders' Equity 3,667.1
Common stock repurchases and retirements  Common stock withheld and retired to	Shares 89,695 (286)		Amount		Paid in Capital 581.8 (2.5)	\$	3,186.8 (39.0)	Co	Other omprehensive Loss		ockholders' Equity 3,667.1 (41.5)
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards	Shares 89,695 (286)		Amount		Paid in Capital 581.8 (2.5)	\$	Earnings 3,186.8 (39.0) (14.6)	Co	Other omprehensive Loss		3,667.1 (41.5)
Common stock repurchases and retirements  Common stock withheld and retired to cover taxes on vested stock awards  Common stock dividends declared	Shares 89,695 (286) (121)		Amount		Paid in Capital 581.8 (2.5) (1.1) —	\$	3,186.8 (39.0) (14.6) (338.7)	Co	Other omprehensive Loss (102.4)		3,667.1 (41.5) (15.7) (338.7)
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other	Shares 89,695 (286) (121)		Amount		Paid in Capital 581.8 (2.5) (1.1) —	\$	3,186.8 (39.0) (14.6) (338.7)	Co	Other pmprehensive Loss (102.4)		cockholders' Equity 3,667.1 (41.5) (15.7) (338.7) 34.3
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income	Shares 89,695 (286) (121) — 337	\$	Mmount  0.9	\$	Paid in Capital 581.8 (2.5) (1.1) — 34.3 —		3,186.8 (39.0) (14.6) (338.7) — 576.0	\$ A	Other pmprehensive Loss (102.4)  ———————————————————————————————————	\$	ckholders' Equity  3,667.1 (41.5) (15.7) (338.7) 34.3 581.7
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income	Shares 89,695 (286) (121) — 337 — 89,625	\$	O.9	\$	Paid in Capital 581.8 (2.5) (1.1) — 34.3 — 612.5		3,186.8 (39.0) (14.6) (338.7) — 576.0 3,370.5  Retained	\$ A	Other pmprehensive Loss (102.4) — — — — — 5.7 (96.7)  accumulated Other pmprehensive	\$	Cockholders' Equity  3,667.1  (41.5)  (15.7)  (338.7)  34.3  581.7  3,887.2  Total ockholders'
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income Balance at September 30, 2023  Balance at January 1, 2022 Common stock repurchases and retirements	Shares   89,695   (286)   (121)	\$ sn Stoc	0.9	\$	Paid in Capital  581.8 (2.5) (1.1) — 34.3 — 612.5  Additional Paid in Capital	\$	3,186.8 (39.0) (14.6) (338.7) — 576.0 3,370.5  Retained Earnings	\$ A	Otheromprehensive Loss (102.4) — — — — — 5.7 (96.7)  accumulated Other omprehensive Loss	\$ \$	Carbotholders' Equity  3,667.1  (41.5)  (15.7)  (338.7)  34.3  581.7  3,887.2  Total ockholders' Equity
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income Balance at September 30, 2023	Shares   89,695   (286)   (121)	\$ sn Stoc	0.9	\$	Paid in Capital (2.5) (1.1) — 34.3 — 612.5 Additional Paid in Capital 579.4	\$	Earnings  3,186.8  (39.0)  (14.6)  (338.7)  576.0  3,370.5   Retained Earnings  3,102.1  (133.5)  (14.4)	\$ A	Otheromprehensive Loss (102.4) — — — — 5.7 (96.7)  accumulated Other omprehensive Loss	\$ \$	Cockholders' Equity  3,667.1  (41.5)  (15.7)  (338.7)  34.3  581.7  3,887.2   Total ockholders' Equity  3,607.2  (142.0)  (15.3)
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income Balance at September 30, 2023  Balance at January 1, 2022 Common stock repurchases and retirements Common stock withheld and retired to	Shares   89,695   (286)   (121)	\$ sn Stoc	0.9	\$	Paid in Capital 581.8 (2.5) (1.1) — 34.3 — 612.5 Additional Paid in Capital 579.4 (8.5) — (0.9) —	\$	Earnings  3,186.8  (39.0)  (14.6)  (338.7)  576.0  3,370.5  Retained Earnings  3,102.1  (133.5)  (14.4)  (328.6)	\$ A	Otheromprehensive Loss (102.4) — — — — 5.7 (96.7)  accumulated Other omprehensive Loss	\$ \$	Cockholders' Equity  3,667.1  (41.5)  (15.7)  (338.7)  34.3  581.7  3,887.2   Total cockholders' Equity  3,607.2  (142.0)  (15.3)  (328.6)
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income Balance at September 30, 2023  Balance at January 1, 2022 Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards	Shares   89,695   (286)   (121)       337       89,625	\$ sn Stoc	0.9	\$	Paid in Capital (2.5) (1.1) (1.1) (1.5) (1	\$	Earnings  3,186.8  (39.0)  (14.6)  (338.7)  576.0  3,370.5  Retained Earnings  3,102.1  (133.5)  (14.4)  (328.6)  (0.3)	\$ A	Other pmprehensive Loss (102.4) — — — — — — — — 5.7 (96.7)  Accumulated Other pmprehensive Loss — — — — — — — — — — — — — — — — — —	\$ \$	Total ockholders' Equity  3,667.1 (41.5) (15.7) (338.7) 34.3 581.7 3,887.2  Total ockholders' Equity 3,607.2 (142.0) (15.3) (328.6) 30.3
Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared Share-based compensation and other Comprehensive income Balance at September 30, 2023  Balance at January 1, 2022 Common stock repurchases and retirements Common stock withheld and retired to cover taxes on vested stock awards Common stock dividends declared	Shares   89,695   (286)   (121)	\$ sn Stoc	0.9	\$	Paid in Capital 581.8 (2.5) (1.1) — 34.3 — 612.5 Additional Paid in Capital 579.4 (8.5) — (0.9) —	\$	Earnings  3,186.8  (39.0)  (14.6)  (338.7)  576.0  3,370.5  Retained Earnings  3,102.1  (133.5)  (14.4)  (328.6)	\$ A	Other pmprehensive Loss (102.4)  — — — — — 5.7 (96.7)  Accumulated Other pmprehensive Loss (75.2) — — — — — —	\$ \$	Cockholders' Equity  3,667.1  (41.5)  (15.7)  (338.7)  34.3  581.7  3,887.2   Total cockholders' Equity  3,607.2  (142.0)  (15.3)  (328.6)

 $See \ accompanying \ condensed \ notes \ to \ unaudited \ quarterly \ consolidated \ financial \ statements.$ 

#### **Condensed Notes to Unaudited Quarterly Consolidated Financial Statements**

#### 1. Nature of Operations and Basis of Presentation

Packaging Corporation of America ("we," "us," "our," PCA," or the "Company") was incorporated on January 25, 1999. In April 1999, PCA acquired the containerboard and corrugated packaging products business of Pactiv Corporation ("Pactiv"), formerly known as Tenneco Packaging, Inc. We are a large diverse manufacturer of both packaging and paper products. We are headquartered in Lake Forest, Illinois and we operate primarily in the United States.

We report our business in three reportable segments: Packaging, Paper, and Corporate and Other. Our Packaging segment produces a wide variety of containerboard and corrugated packaging products. The Paper segment manufactures and sells a range of communication-based papers. Corporate and Other includes support staff services and related assets and liabilities, transportation assets, and activity related to other ancillary support operations. For more information about our segments, see Note 18, Segment Information.

The consolidated financial statements of PCA as of September 30, 2023 and for the three and nine months ended September 30, 2023 and 2022 are unaudited but include all adjustments (consisting only of normal recurring adjustments) that management considers necessary for a fair presentation of such financial statements. The preparation of the consolidated financial statements involves the use of estimates and accruals. Actual results may vary from those estimates. These financial statements have been prepared in accordance with accounting principles generally accepted in the United States for interim financial information and with Article 10 of Regulation S-X of the Securities and Exchange Commission (SEC). Accordingly, they do not include all of the information and notes required by accounting principles generally accepted in the United States for complete audited financial statements. Operating results for the three and nine months ended September 30, 2023 are not necessarily indicative of the results that may be expected for the year ending December 31, 2023. These consolidated financial statements should be read in conjunction with our Annual Report on Form 10-K for the year ended December 31, 2022.

The consolidated financial statements include the accounts of PCA and its majority-owned subsidiaries after elimination of intercompany balances and transactions.

#### 2. New and Recently Adopted Accounting Standards

#### **Recently Adopted Accounting Standards**

Effective January 1, 2023, we adopted Accounting Standards Update ("ASU") 2021-08, Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities from Contracts with Customers. ASU 2021-08 requires contract assets and contract liabilities acquired in a business combination to be recognized and measured by the acquirer on the acquisition date in accordance with ASC 606, Revenue from Contracts with Customers. Under prior business combination guidance in ASC 805, Business Combinations, such assets and liabilities were recognized by the acquirer at fair value on the acquisition date, whereas the new guidance requires the acquirer to recognize such assets and liabilities as if it had originated the contracts. The Company will apply the amended guidance on a prospective basis to any future business combinations.

Effective April 1, 2023, we adopted ASU 2020-04, *Reference Rate Reform* (Topic 848): *Facilitation of the Effects of Reference Rate Reform on Financial Reporting*. ASU 2020-04 provides optional guidance for a limited period of time to ease the potential burden in accounting for, or recognizing the effects of, reference rate reform on financial reporting. The amendments in this Update are elective and apply to all entities, subject to meeting certain criteria, that have contracts, hedging relationships, and other transactions that reference LIBOR or another reference rate expected to be discontinued because of reference rate reform. In January 2021, the FASB issued ASU 2021-01, which extends some of the optional expedients under Topic 848 to include derivative contracts impacted by discounting transition. In December 2022, the FASB issued ASU 2022-06, *Reference Rate Reform* (Topic 848): *Deferral of the Sunset Date of Topic 848*, which further extends the relief offered in this series of ASUs through December 31, 2024. Companies can apply these ASUs immediately. The ASUs can be adopted on a full retrospective basis as of any date from the beginning of an interim period that includes or is subsequent to March 12, 2020, or on a prospective basis to any new modification from any date within an interim period that includes or is subsequent to the date of the issuance of a final Update, up to the date that financial statements are available to be issued. The Company's fixed-rate outstanding debt will not be impacted by the reference rate reform. In April 2023, we amended our Senior Unsecured Credit Agreement to formally replace the LIBOR benchmark rate with the Term SOFR rate. The amendment of this agreement and the reference rate reform did not have a significant impact on the Company's financial position or related disclosures.

There were no other accounting standards recently issued that had or are expected to have a material impact on our financial position or results of operations.

#### 3. Revenue

#### **Revenue Recognition**

Revenue is recognized when control of the promised goods or services is transferred to customers in an amount that reflects the consideration expected to be received in exchange for those goods or services. Sales, value added, and other taxes collected concurrently with revenue-producing activities are excluded from revenue.

The following table presents our revenues disaggregated by product line (dollars in millions):

	 Three Mor Septem	 	Nine Months Ended September 30,			
	2023	2022		2023		2022
Packaging	\$ 1,759.8	\$ 1,940.2	\$	5,358.7	\$	5,971.6
Paper	157.9	165.3		451.6		468.6
Corporate and Other	18.3	20.4		54.2		59.4
Total revenue	\$ 1,936.0	\$ 2,125.9	\$	5,864.5	\$	6,499.6

#### **Packaging Revenue**

Our containerboard mills produce linerboard and corrugating medium which are papers primarily used in the production of corrugated products. The majority of our containerboard production is used internally by our corrugated products manufacturing facilities. The remaining containerboard is sold to outside domestic and export customers. Our corrugated products manufacturing plants produce a wide variety of corrugated packaging products and retail merchandise displays. We sell corrugated products to national, regional and local accounts, which are broadly diversified across industries and geographic locations.

The Company recognizes revenue for its packaging products when performance obligations under the terms of a contract with a customer are satisfied. This occurs with the transfer of control of our products at a specific point in time. Based on our express terms and conditions of the sale of products to our customers, as well as terms included in contractual arrangements with our customers, we do not have an enforceable right of payment that includes a reasonable profit throughout the duration of the contract for products that do not have an alternative use. Revenue is recognized when the product is shipped from the mill or from our manufacturing facility to our customer. Certain customers may receive volume-based incentives, which are accounted for as variable consideration. We estimate these amounts based on the expected amount to be provided to customers and reduce revenue recognized.

Certain customers receive a portion of their packaging products as consigned inventory with billing triggered once the customer uses or consumes the designated product. Prior to invoicing, these amounts are handled as unbilled receivables. Total unbilled receivables, which are immaterial in amount, are included in the accounts receivable financial statement caption.

#### Paper Revenue

We manufacture and sell a range of communication-based papers. Communication papers consist of cut-size office papers, and printing and converting papers.

The Company recognizes revenue for its paper products when performance obligations under the terms of a contract with a customer are satisfied. This occurs with the transfer of control of our products at a specific point in time. Revenue is recognized when the product is shipped from the mill or from our manufacturing facility or distribution center to our customer. Certain customers may receive incentives, which are accounted for as variable consideration. We estimate these amounts based on the expected amount to be provided to customers and reduce revenue recognized.

# Corporate and Other Revenue

Revenue in this segment primarily relates to Louisiana Timber Procurement Company, L.L.C. ("LTP"), a variable-interest entity that is 50% owned by PCA and 50% owned by Boise Cascade Company ("Boise Cascade"). PCA is the primary beneficiary of LTP and has the power to direct the activities that most significantly affect the economic performance of LTP. Therefore, we consolidate 100% of LTP in our financial statements. See Note 17, Transactions With Related Parties, for more information related to LTP.

The Company recognizes revenue within this segment when performance obligations under the terms of a contract with a customer are satisfied. This occurs with the transfer of control of our products at a specific point in time.

#### **Practical Expedients and Exemption**

Shipping and handling fees billed to a customer are recorded on a gross basis in "Net sales" with the corresponding shipping and handling costs included in "Cost of sales" in the concurrent period as the revenue is recorded. We expense sales commissions when incurred because the amortization period is one year or less. Sales commissions are recorded in "Selling, general, and administrative expenses".

We do not disclose the value of unsatisfied performance obligations for contracts with an original expected duration of one year or less.

#### 4. Earnings Per Share

The following table sets forth the computation of basic and diluted income per common share for the periods presented (dollars and shares in millions, except per share data):

	Three Months Ended				Nine Months Ended				
		Septem	ber 30,			Septem	ber 30,		
Numerator:	2023		2022		2023			2022	
Net income	\$	183.2	\$	262.5	\$	576.0	\$	818.2	
Less: Distributed and undistributed earnings allocated to participating securities		(1.4)		(1.9)		(4.8)		(6.4)	
Net income attributable to common shareholders	\$	181.8	\$	260.6	\$	571.2	\$	811.8	
Denominator:									
Weighted average basic common shares outstanding		89.1		92.8		89.1		92.9	
Effect of dilutive securities		0.4		0.4		0.4		0.4	
Weighted average diluted common shares outstanding		89.5		93.2		89.5		93.3	
Basic income per common share	\$	2.04	\$	2.81	\$	6.41	\$	8.74	
Diluted income per common share	\$	2.03	\$	2.80	\$	6.38	\$	8.70	

#### 5. Other Income (Expense), Net

The components of other expense, net, were as follows (dollars in millions):

	Three Months Ended September 30,					Nine Mont Septeml		
	2023			2022		2023		2022
Asset disposals and write-offs	\$	(9.0)	\$	(7.5)	\$	(22.2)	\$	(33.9)
Facilities closure and other income (costs) (a)		0.1		0.2		(7.0)		0.4
Jackson mill conversion-related activities (b)		_		(2.7)		(1.5)		(4.8)
Other		(1.0)		(2.9)		(6.4)		(6.4)
Total	\$	(9.9)	\$	(12.9)	\$	(37.1)	\$	(44.7)

- (a) For the three and nine months ended September 30, 2023, includes income and charges consisting of closure costs related to the closure of corrugated products facilities and design centers. Included therein are closure costs as well as the gain on sale of a corrugated products facility. For the three months ended September 30, 2022, includes income consisting of a gain on sale of assets related to a corrugated products facility, partially offset by charges consisting of closure costs related to corrugated products facilities. For the nine months ended September 30, 2022, includes income primarily related to insurance proceeds received for a natural disaster at one of the corrugated products facilities and a gain on sale of assets related to a corrugated products facility, partially offset by closure costs related to corrugated products facilities and acquisition and integration costs related to the December 2021 Advance Packaging acquisition.
- (b) Includes charges related to the announced discontinuation of production of uncoated freesheet paper grades on the No. 3 machine at the Jackson, Alabama mill associated with the permanent conversion of the machine to produce linerboard and other paper-to-containerboard conversion related activities.

#### 6. Income Taxes

For the three months ended September 30, 2023 and 2022, we recorded \$61.3 million and \$84.9 million of income tax expense and had an effective tax rate of 25.1% and 24.4%, respectively. The increase in our effective tax rate for the three months ended September 30, 2023 compared to the same period in 2022 was primarily due to lower excess tax benefits associated with employee restricted stock and performance unit vests as well as lower favorable state tax law changes.

For the nine months ended September 30, 2023 and 2022, we recorded \$189.6 million and \$270.1 million of income tax expense and had an effective tax rate of 24.8% for both periods.

Our current effective tax rate is higher than the federal statutory income tax rate of 21.0% due primarily to the effect of state and local income taxes. During the nine months ended September 30, 2023 and 2022, cash paid for taxes, net of refunds received, was \$153.2 million and \$221.6 million, respectively. The decrease in cash tax payments between the periods is primarily due to lower 2023 forecasted taxable income.

During the three and nine months ended September 30, 2023, there were no significant changes to our uncertain tax positions. For more information, see Note 8, Income Taxes, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K.

#### 7. Inventories

We value our raw materials, work in process, and finished goods inventories using lower of cost, as determined by the average cost method, or net realizable value. Supplies and materials are valued at the first-in, first-out (FIFO) or average cost method.

The components of inventories were as follows (dollars in millions):

	s	eptember 30,	Dec	ember 31,
		2023		2022
Raw materials	\$	324.7	\$	341.2
Work in process		15.1		16.0
Finished goods		189.2		198.4
Supplies and materials		457.1		421.7
Inventories	\$	986.1	\$	977.3

#### 8. Property, Plant, and Equipment

The components of property, plant, and equipment were as follows (dollars in millions):

	Se	ptember 30, 2023	De	ecember 31, 2022
Land and land improvements	\$	196.9	\$	192.4
Buildings		1,069.2		1,023.6
Machinery and equipment		6,925.5		6,709.3
Construction in progress		362.5		440.2
Other		175.3		146.9
Property, plant and equipment, at cost		8,729.4		8,512.4
Less accumulated depreciation		(4,866.0)		(4,612.4)
Property, plant, and equipment, net	\$	3,863.4	\$	3,900.0

Depreciation expense for the three months ended September 30, 2023 and 2022 was \$118.6 million and \$103.2 million, respectively. During the nine months ended September 30, 2023 and 2022, depreciation expense was \$354.9 million and \$305.3 million, respectively. During the nine months ended September 30, 2023, we recognized \$11.9 million of incremental depreciation expense as a result of Jackson mill conversion-related activities and closure costs related to corrugated products facilities and design centers. We recognized \$3.1 million of incremental depreciation expense during the nine months ended September 30, 2022 as a result of Jackson mill conversion-related activities and closure costs related to corrugated products facilities.

At September 30, 2023 and December 31, 2022, purchases of property, plant, and equipment included in accounts payable were \$40.2 million and \$43.7 million, respectively.

#### 9. Goodwill and Intangible Assets

#### Goodwill

Goodwill represents the excess of the cost of an acquired business over the fair value of the identifiable tangible and intangible assets acquired and liabilities assumed in a business combination. At both September 30, 2023 and December 31, 2022, we had \$922.4 million of goodwill recorded in our Packaging segment, which represents the entire goodwill balance reported on our Consolidated Balance Sheets.

#### **Intangible Assets**

Intangible assets are primarily comprised of customer relationships and trademarks and trade names. The weighted average remaining useful life, gross carrying amount, and accumulated amortization of our intangible assets were as follows (dollars in millions):

		S	eptember 30, 202	23		December 31, 2022						
	Weighted Average Remaining Useful Life (in Years)	Average Remaining Gross Useful Life Carrying		Accumulated Amortization		Weighted Average Remaining Useful Life (in Years)	C	Gross Carrying Amount	Accumulated Amortization			
Customer relationships	7.6	\$	546.0	\$	317.9	8.2	\$	546.0	\$	290.9		
Trademarks and trade names	6.7		41.3		30.3	7.2		41.3		28.6		
Other	3.2		4.4		4.3	3.4		4.4		4.3		
Total intangible assets (excluding goodwill)	7.5	\$	591.7	\$	352.5	8.1	\$	591.7	\$	323.8		

During the nine months ended September 30, 2023 and 2022, amortization expense was \$28.7 million and \$29.7 million, respectively.

#### 10. Accrued Liabilities

The components of accrued liabilities were as follows (dollars in millions):

	Sej	otember 30, 2023	Dec	ember 31, 2022
Compensation and benefits	\$	139.0	\$	159.7
Customer rebates and other credits		31.9		43.8
Franchise, property, sales and use taxes		30.0		17.4
Medical insurance and workers' compensation		28.1		26.1
Environmental liabilities and asset retirement obligations		4.0		4.1
Severance, retention, and relocation		1.6		1.8
Other		10.5		10.8
Total	\$	245.1	\$	263.7

#### 11. Debt

At September 30, 2023 and December 31, 2022, our long-term debt and interest rates on that debt were as follows (dollars in millions):

	ember 30, 2023	Dec	ember 31, 2022
Revolving Credit Facility	\$ _	\$	_
3.65% Senior Notes, net of discount of \$0.1 million and \$0.2 million as of September 30, 2023 and December 31, 2022, respectively, due September 2024	399.9		399.8
3.40% Senior Notes, net of discount of \$0.8 million and \$0.9 million as of September 30, 2023 and December 31, 2022, respectively, due December 2027	499.2		499.1
3.00% Senior Notes, net of discount of \$0.4 million and \$0.5 million as of September 30, 2023 and December 31, 2022, respectively, due December 2029	499.6		499.5
4.05% Senior Notes, net of discount of \$3.3 million as of both September 30, 2023 and December 31, 2022, due December 2049	396.7		396.7
3.05% Senior Notes, net of discount of \$3.5 million and \$3.6 million as of September 30, 2023 and December 31, 2022, respectively, due October 2051	696.5		696.4
Total	 2,491.9		2,491.5
Less current portion (a)	399.5		_
Less unamortized debt issuance costs	16.7		17.9
Total long-term debt	\$ 2,075.7	\$	2,473.6

(a) The current portion of long-term debt excludes unamortized debt issuance costs of \$0.4 million at September 30, 2023.

For the nine months ended September 30, 2023 and 2022, cash payments for interest were \$49.9 million and \$50.6 million, respectively.

Included in interest expense, net is the amortization of financing costs, which includes the amortization of debt issuance costs and amortization of bond discount. For both the three months ended September 30, 2023 and 2022, amortization of debt issuance costs was \$0.4 million, and during the nine months ended September 30, 2023 and 2022, amortization of debt issuance costs was \$1.2 million for both periods. For the three and nine month periods ended September 30, 2023 and 2022, the amortization of bond discount was insignificant.

At September 30, 2023, we had \$2,491.9 million of fixed-rate senior notes outstanding. The fair value of our fixed-rate debt was estimated to be \$1,985.5 million. The difference between the book value and fair value is due to the difference between the period-end market interest rate and the stated rate of our fixed-rate debt. We estimated the fair value of our fixed-rate debt using quoted market prices (Level 2 inputs) within the fair value hierarchy, which is further defined in Note 2, Summary of Significant Accounting Policies, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K.

On April 27, 2023, we amended our Senior Unsecured Credit Agreement to formally replace the LIBOR benchmark rate with the Term SOFR rate.

For more information on our long-term debt and interest rates on that debt, see Note 11, Debt, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K.

#### 12. Cash, Cash Equivalents, and Marketable Debt Securities

The following table shows the Company's cash and available-for-sale ("AFS") debt securities by major asset category at September 30, 2023 and December 31, 2022 (in millions):

			S	Septe	ember 30, 20	23					
	djusted ost Basis	ealized Gain	 realized Loss		Fair Value		ash and Cash uivalents	Mai	rt-Term :ketable Debt curities	Mar I	ng-Term rketable Debt curities
Cash and cash equivalents	\$ 573.0	\$ _	\$ _	\$	573.0	\$	573.0	\$	_	\$	_
Level 1 <sup>(a)</sup> :											
U.S. Treasury securities	25.2	_	(0.3)		24.9		_		13.9		11.0
Money market funds	0.2	_	_		0.2		0.2		_		_
Subtotal	25.4		 (0.3)		25.1		0.2		13.9		11.0
Level 2 <sup>(b)</sup> :											
Corporate debt securities	111.2	_	(1.0)		110.2		_		74.6		35.6
U.S. government agency securities	11.6	_	(0.1)		11.5		_		8.8		2.7
Certificates of deposit	6.7	_	_		6.7		_		6.7		_
Subtotal	129.5	_	(1.1)		128.4		_		90.1		38.3
Total	\$ 727.9	\$ 	\$ (1.4)	\$	726.5	\$	573.2	\$	104.0	\$	49.3

						I	Dece	mber 31, 20	22					
		Adjusted Unrealized Unrealized Cost Basis Gain Loss			Fair C			Short-Te Cash and Marketa Cash Debt Equivalents Securiti			Mai I	g-Term ketable Debt urities		
Cash and cash equivalents	\$	318.3	\$	_	\$	_	\$	318.3	\$	318.3	\$	_	\$	_
Level 1 <sup>(a)</sup> :														
U.S. Treasury securities		24.3		_		(0.4)		23.9		_		16.7		7.2
Money market funds		0.1		_		_		0.1		0.1		_		_
Subtotal		24.4		_		(0.4)		24.0		0.1		16.7		7.2
Level 2 (b):						,				,				
Corporate debt securities		123.9		_		(2.1)		121.8		1.6		65.7		54.5
U.S. government agency securities		4.5		_		(0.1)		4.4		_		1.2		3.2
Certificates of deposit		1.6		_		_		1.6		_		1.6		_
Subtotal	_	130.0				(2.2)		127.8		1.6		68.5		57.7
Total	\$	472.7	\$	_	\$	(2.6)	\$	470.1	\$	320.0	\$	85.2	\$	64.9

- $\hbox{(a)} \qquad \hbox{Valuations based on quoted prices for identical assets or liabilities in active markets.}$
- (b) Valuations based on observable inputs other than quoted prices included in Level 1, such as quoted prices for similar assets and liabilities in active markets, quoted prices for identical or similar assets and liabilities in markets that are not active, or other inputs that are observable or can be corroborated by observable market data.

For both the three and nine months ended September 30, 2023 and 2022, net realized gains and losses on the sales and maturities of certain marketable debt securities were insignificant.

The Company invests in highly rated securities, with the primary objective of minimizing the potential risk of principal loss. The Company's investment policy requires securities to be investment grade and limits the amount of credit exposure to any one issuer. The maturities of the Company's long-term marketable debt securities generally range from one to two years.

Fair values were determined for each individual marketable debt security in the investment portfolio. When evaluating a marketable debt security for impairment, PCA reviews factors such as the duration and extent to which the fair value of the marketable debt security is less than its cost, the financial condition of the issuer and any changes thereto, the general market condition in which the issuer operates, and PCA's intent to sell, or whether it will be more likely than not be required to sell, the marketable debt security before recovery of its amortized cost basis.

As of September 30, 2023 and December 31, 2022, we do not consider any of the impairments related to our marketable debt securities to be the result of credit losses. Therefore, we have not recorded an allowance for credit losses related to our marketable debt securities. All unrealized gains and losses were recorded in other comprehensive income (OCI).

The following tables provide information about the Company's marketable debt securities that have been in a continuous loss position as of September 30, 2023 and December 31, 2022 (in millions, except number of marketable debt securities in a loss position):

					September	30, 2023	3					
	Ma Debt S a Los	Value of rketable ecurities in s Position ! Months	Number of Marketable Debt Securities in a Loss Position < 12 Months		ized Losses Months	Ma Debt S a Los	Value of rketable ecurities in s Position ! Months	Number of Marketable Debt Securities in a Loss Position ≥ 12 Months		ized Losses Months		
Corporate debt securities	\$	50.8	58	\$	(0.3)	\$	45.7	59	\$	(0.7)		
U.S. Treasury securities		11.8	12		(0.1)		13.1	17		(0.2)		
U.S. government agency securities		10.0	16		(0.1)		1.5	2		_		
	\$	72.6	86	\$	(0.5)	\$	60.3	78	\$	(0.9)		
		December 31, 2022										
	Mar Debt So a Loss	Value of ketable ecurities in Position Months	Number of Marketable Debt Securities in a Loss Position < 12 Months	nber of Fair Value of nber of Marketable rketable Debt Securities Securities in a Loss ss Position Unrealized Losses Position i		Number of Marketable Debt Securities in a Loss Position ≥ 12 Months	ī	realized Losses 2 Months				
Corporate debt securities	\$	77.0	113	\$	(1.0)	\$	37.9	50	\$	(1.1)		
Corporate debt securities U.S. Treasury securities	\$	77.0 14.5	113 14	\$	(1.0) (0.2)	\$	37.9 9.3	50 13	\$	(0.3)		
1	\$			\$	` ′	\$			\$			

#### 13. Employee Benefit Plans and Other Postretirement Benefits

The components of net periodic benefit cost for our pension plans were as follows (dollars in millions):

	Pension Plans											
	Thre	ee Months E 3	nded 0,	September	Nin	e Months End	led Se	ptember 30,				
	2023 2022					2023		2022				
Service cost	\$	3.3	\$	4.6	\$	10.5	\$	14.4				
Interest cost		13.8		8.6		41.9		26.0				
Expected return on plan assets		(14.2)		(13.9)		(42.8)		(41.8)				
Net amortization of unrecognized amounts												
Prior service cost		1.3		0.9		3.9		2.7				
Actuarial loss		1.0		0.9		3.1		2.6				
Net periodic benefit cost	\$	5.2	\$	1.1	\$	16.6	\$	3.9				

PCA makes pension plan contributions that are sufficient to fund its actuarially determined costs, generally equal to the minimum amounts required by the Employee Retirement Income Security Act (ERISA). From time to time, PCA may make additional discretionary contributions based on the funded status of the plans, tax deductibility, income from operations, and other factors. During both the three and nine months ended September 30, 2023 and 2022, payments to our nonqualified pension plans were insignificant. During both the three and nine months ended September 30, 2023 and 2022, we made contributions of \$50.0 million to our qualified pension plans. We do not have a required minimum contribution amount for 2023, but we expect to make discretionary contributions to our plans.

For both the three and nine months ended September 30, 2023 and 2022, the net periodic benefit cost for our postretirement plans was insignificant.

#### 14. Share-Based Compensation

The Company has a long-term equity incentive plan, which allows for grants of restricted stock, performance awards, stock appreciation rights, and stock options to directors, officers, and employees, as well as others who engage in services for PCA. On February 25, 2020, our board of directors approved, and, on May 5, 2020, our stockholders approved, the amendment and restatement of the plan. The amendment extended the plan's term to May 5, 2030 and increased the number of shares of common stock available for issuance under the plan by 1.4 million shares. The total number of shares authorized for past and future awards is 12.0 million shares.

As of September 30, 2023, assuming performance units are paid out at the target level of performance, 0.7 million shares were available for future grants under the current plan. Forfeitures are added back to the pool of shares of common stock available to be granted at a future date.

The following table presents restricted stock and performance unit award activity for the nine months ended September 30, 2023:

	Restric	ted Stock	•	Performan	ce Units		
	Shares	Aver	Veighted age Grant- Fair Value	Shares	Weighted Average Grant- Date Fair Value		
Outstanding at January 1, 2023	655,914	\$	117.14	358,449	\$	109.89	
Granted	196,821		134.68	146,331		140.09	
Vested (a)	(174,139)		97.86	(132,003)		117.03	
Forfeitures	(6,851)		129.73	_		_	
Outstanding at September 30, 2023	671,745	\$	127.15	372,777	\$	119.22	

(a) Upon payout of the performance unit awards that vested during the period, PCA issued 146,631 shares, which included 14,628 shares for dividends accrued during the performance period.

#### Compensation Expense

Our share-based compensation expense is primarily recorded in "Selling, general, and administrative expenses." Compensation expense for share-based awards recognized in the Consolidated Statements of Income, net of forfeitures, was as follows (dollars in millions):

	Th	ree Months E	nded S	eptember 30,	 Nine Months Ende	tember 30,		
	2	2023		2022	2023	2022		
Restricted stock	\$	4.1	\$	4.1	\$ 21.5	\$	18.7	
Performance units		3.6		3.1	11.0		10.0	
Total share-based compensation expense		7.7		7.2	32.5		28.7	
Income tax benefit		(1.9)		(1.8)	(8.1)		(7.2)	
Share-based compensation expense, net of tax benefit	\$	5.8	\$	5.4	\$ 24.4	\$	21.5	

The fair value of restricted stock is determined based on the closing price of the Company's stock on the grant date. Compensation expense, net of estimated forfeitures, is recorded over the requisite service period. As PCA's Board of Directors has the ability to accelerate the vesting of these awards upon an employee's retirement, the Company accelerates the recognition of compensation expense for certain employees approaching normal retirement age.

Performance unit awards granted to certain key employees are earned based on the achievement of defined performance rankings of Return on Invested Capital (ROIC) or Total Shareholder Return (TSR) compared to ROIC and TSR for peer companies. For performance unit awards made in 2023 and 2022, in terms of grant date value, 50% used TSR as the performance measure and 50% used ROIC as the performance measure. The ROIC component of performance unit awards is valued based on the closing price of the stock on the grant date. As the ROIC component contains a performance condition, compensation expense, net of estimated forfeitures, is recorded over the requisite service period based on the most probable number of awards expected to vest. The TSR component of performance unit awards is valued using a Monte Carlo simulation as the TSR component contains a market condition. The Monte Carlo simulation estimates the fair value of the TSR component based on the expected term of the award, a risk-free interest rate, expected dividends, and expected volatility of the Company's common stock and the common stock of the peer companies. Compensation expense is recorded ratably over the expected term of the award.

The unrecognized compensation expense for all share-based awards at September 30, 2023 was as follows (dollars in millions):

		Septemb	per 30, 2023
	Com	ecognized pensation xpense	Remaining Weighted Average Recognition Period (in years)
Restricted stock	\$	31.7	2.6
Performance units		26.1	2.4
Total unrecognized share-based compensation expense	\$	57.8	2.5

#### 15. Stockholders' Equity

#### Dividends

During the nine months ended September 30, 2023, we paid \$336.9 million of dividends to shareholders. On September 13, 2023, PCA's Board of Directors declared a regular quarterly cash dividend of \$1.25 per share of common stock, which was paid on October 13, 2023 to shareholders of record as of September 25, 2023. The dividend payment was \$112.0 million.

#### Repurchases of Common Stock

On January 26, 2022, PCA announced that its Board of Directors authorized the repurchase of an additional \$1 billion of the Company's outstanding common stock. Repurchases may be made from time to time in open market or privately negotiated transactions in accordance with applicable securities regulations. The timing and amount of repurchases will be determined by the Company in its discretion based on factors such as PCA's stock price and market and business conditions.

During the three and nine months ended September 30, 2023, we paid \$41.5 million to repurchase 0.3 million shares of common stock. All shares repurchased have been retired. At September 30, 2023, \$436.0 million of the authorized amount remained available for repurchase of the Company's common stock.

The Inflation Reduction Act of 2022, which was enacted into law on August 16, 2022, imposed a nondeductible 1% excise tax on the net value of certain stock repurchases made after December 31, 2022. For share repurchases during the three and nine months ended September 30, 2023, we reflected the applicable excise tax in treasury stock as part of the cost basis of the stock repurchased and recorded a corresponding liability for the excise taxes payable in accrued liabilities on our Consolidated Balance Sheets.

#### Accumulated Other Comprehensive Income (Loss)

Changes in accumulated other comprehensive income (loss) (AOCI) by component were as follows (dollars in millions). Amounts in parentheses indicate losses:

	Foreign Exchange			ealized Loss Marketable ot Securities	 Unfunded Employee Benefit Obligations	Total
Balance at January 1, 2023	\$	(0.2)	\$	(1.9)	\$ (100.3)	\$ (102.4)
Other comprehensive income before reclassifications, net of tax		_		0.9	_	0.9
Amounts reclassified from AOCI, net of tax		_		_	4.8	4.8
Balance at September 30, 2023	\$	(0.2)	\$	(1.0)	\$ (95.5)	\$ (96.7)

Reclassifications out of AOCI were as follows (dollars in millions). Amounts in parentheses indicate expenses in the Consolidated Statements of Income:

	Amounts Reclassified from AOCI											
	 Three Mont Septeml		ed	Nine	Months Ende	d September 30,						
Details about AOCI Components	 2023		2022		2023	2022						
Unfunded employee benefit obligations (a)												
Amortization of prior service costs	\$ (1.2)	\$	(8.0)	\$	(3.6)	\$ (2.4)	See (a) below					
Amortization of actuarial losses	 (0.9)		(0.8)		(2.8)	(2.3)	See (a) below					
	(2.1)		(1.6)		(6.4)	(4.7)	Total before tax					
	 0.5		0.4		1.6	1.2	Tax benefit					
	\$ (1.6)	\$	(1.2)	\$	(4.8)	\$ (3.5)	Net of tax					

(a) These AOCI components are included in the computation of net pension and postretirement benefit costs. See Note 13, Employee Benefit Plans and Other Postretirement Benefits, for additional information.

#### 16. Concentrations of Risk

ODP Corporation ("ODP"), formerly Office Depot Inc., along with its subsidiaries and affiliates, is our largest customer in the Paper segment. Our Paper segment has had a long-standing commercial and contractual relationship with ODP. This relationship exposes us to a significant concentration of business and financial risk. Our sales to ODP represented approximately 5% and 4% of our total Company sales for the nine month periods ended September 30, 2023 and 2022, respectively, and approximately 61% and 50% of our Paper segment sales for those periods, respectively. For the full year 2022, sales to ODP represented about 48% of our Paper segment sales

At September 30, 2023 and December 31, 2022, we had \$50.2 million and \$52.4 million of accounts receivable due from ODP, respectively, which represents approximately 5% of our total Company receivables for both periods.

#### 17. Transactions With Related Parties

Louisiana Timber Procurement Company, L.L.C. ("LTP") is a variable-interest entity that is 50% owned by PCA and 50% owned by Boise Cascade Company ("Boise Cascade"). LTP procures sawtimber, pulpwood, residual chips, and other residual wood fiber to meet the wood and fiber requirements of PCA and Boise Cascade in Louisiana. PCA is the primary beneficiary of LTP and has the power to direct the activities that most significantly affect the economic performance of LTP. Therefore, we consolidate 100% of LTP in our financial statements in our Corporate and Other segment. The carrying amounts of LTP's assets and liabilities (which relate primarily to non-inventory working capital items) on our Consolidated Balance Sheets were \$3.6 million at September 30, 2023 and \$2.2 million at December 31, 2022. During the three months ended September 30, 2023 and 2022, we recorded \$20.3 million and \$23.1 million, respectively, and during the nine months ended September 30, 2023 and 2022, we recorded \$61.5 million and \$67.4 million, respectively, of LTP sales to Boise Cascade in "Net Sales" in the Consolidated Statements of Income and approximately the same amount of expenses in "Cost of Sales".

During the three months ended September 30, 2023 and 2022, fiber purchases from related parties were \$2.9 million and \$3.4 million, respectively, and during the nine months ended September 30, 2023 and 2022, fiber purchases from related parties were \$8.9 million and \$10.7 million, respectively. Most of these purchases related to chip and log purchases by LTP from Boise Cascade's wood products business. These purchases are recorded in "Cost of Sales" in the Consolidated Statements of Income.

#### 18. Segment Information

We report our business in three reportable segments: Packaging, Paper, and Corporate and Other. These segments represent distinct businesses that are managed separately because of differing products and services. Each of these businesses requires distinct operating and marketing strategies.

Each segment's profits and losses are measured on operating profits before interest expense, net, non-operating pension (expense) income, and income taxes. For certain allocated expenses, the related assets and liabilities remain in the Corporate and Other segment.

Selected financial information by reportable segment was as follows (dollars in millions):

Three Months Ended September 30, 2023	 Trade		rsegment	Total	Operating Income (Loss)				
Packaging	\$ 1,755.2	\$	4.6	\$ 1,759.8	\$	256.8			
Paper	157.9		_	157.9		27.6			
Corporate and Other	22.9		40.6	63.5		(25.8)			
Intersegment eliminations	 <u> </u>		(45.2)	 (45.2)		<u> </u>			
	\$ 1,936.0	\$		\$ 1,936.0		258.6			
Non-operating pension expense						(1.8)			
Interest expense, net						(12.3)			
Income before taxes					\$	244.5			
		Sales, r	net						
Three Months Ended September 30, 2022	 Trade		rsegment	Total	Operating	Income (Loss)			
Packaging	\$ 1,935.1	\$	5.1	\$ 1,940.2	\$	359.2			
Paper	165.3		_	165.3		26.1			
Corporate and Other	25.5		37.8	63.3		(25.0)			
Intersegment eliminations	_		(42.9)	(42.9)		_			
	\$ 2,125.9	\$	_	\$ 2,125.9		360.3			
Non-operating pension income						3.6			
Interest expense, net						(16.5)			
Income before taxes					\$	347.4			
		Sales, r	net						
Nine Months Ended September 30, 2023	 Trade	Inte	rsegment	 Total	Operating	Income (Loss)			
Packaging	\$ 5,344.3	\$	14.4	\$ 5,358.7	\$	810.5			
Paper	451.6		_	451.6		90.8			
Corporate and Other	68.6		116.5	185.1		(87.7)			
Intersegment eliminations	 <u> </u>		(130.9)	(130.9)					
	\$ 5,864.5	\$		\$ 5,864.5		813.6			
Non-operating pension expense	 					(5.8)			
Interest expense, net						(42.2)			
Income before taxes					\$	765.6			

Nine Months Ended September 30, 2022	Trade	Inte	tersegment Total		Operatii	ng Income (Loss)	
Packaging	\$ 5,956.8	\$	14.8	\$	5,971.6	\$	1,141.3 (b)
Paper	468.6		_		468.6		71.2 (b)
Corporate and Other	74.2		110.6		184.8		(79.8)
Intersegment eliminations	_		(125.4)		(125.4)		_
	\$ 6,499.6	\$	_	\$	6,499.6		1,132.7
Non-operating pension income							10.9
Interest expense, net							(55.3)
Income before taxes						\$	1,088.3

- (a) The three and nine months ended September 30, 2023 include the following:
  - 1. \$2.6 million and \$8.2 million, respectively, of charges related to the announced discontinuation of production of UFS paper grades on the No. 3 machine at the Jackson, Alabama mill associated with the permanent conversion of the machine to produce linerboard and other paper-to-containerboard conversion related activities.
  - 2. \$0.1 million of income and \$13.5 million of charges, respectively, related to the closure of corrugated products facilities and design centers. Included therein are closure costs as well as the gain on sale of a corrugated products facility.
- (b) The three and nine months ended September 30, 2022 include the following:
  - 1. \$3.9 million and \$9.4 million, respectively, of charges related to the announced discontinuation of production of UFS paper grades on the No. 3 machine at the Jackson, Alabama mill associated with the permanent conversion of the machine to produce linerboard and other paper-to-containerboard conversion related activities.
  - 2. \$0.2 million of charges and \$0.2 million of income, respectively, consisting of closure costs related to corrugated products facilities and acquisition and integration costs related to the December 2021 Advance Packaging Corporation acquisition, partially offset by a gain on sale of assets related to a corrugated products facility. For the nine months ended September 30, 2022, these costs were offset by insurance proceeds received for a natural disaster at one of the corrugated products facilities and a favorable lease buyout for a closed corrugated products facility.

#### 19. Commitments, Guarantees, Indemnifications and Legal Proceedings

We have financial commitments and obligations that arise in the ordinary course of our business. These include lease obligations, long-term debt, capital additions, purchase commitments for goods and services, and legal proceedings, all of which are discussed in Note 3, Leases; Note 11, Debt; and Note 20, Commitments, Guarantees, Indemnifications, and Legal Proceedings, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K.

#### **Guarantees and Indemnifications**

We provide guarantees, indemnifications, and other assurances to third parties in the normal course of our business. These include tort indemnifications, product guarantees, environmental assurances, and representations and warranties in commercial agreements. At September 30, 2023, we are not aware of any material liabilities arising from any guarantee, indemnification, or financial assurance we have provided. If we determined such a liability was probable and subject to reasonable determination, we would accrue for it at that time.

#### DeRidder Mill Incident

On February 8, 2017, a tank located in the pulp mill at the Company's DeRidder, Louisiana facility exploded, resulting in three contractor fatalities and other injuries. The Company has been served with multiple lawsuits involving the decedents and other allegedly injured parties, alleging negligence on the part of the Company and claiming compensatory and punitive damages. The Company is vigorously defending these lawsuits. The Company believes that these suits are covered by its liability insurance policies, subject to an aggregate \$1.0 million deductible, which has been satisfied in full as a result of settlement of various lawsuits and fees and expenses incurred by the Company. Cases involving nine plaintiffs are pending in the U.S. District Court for the Middle District of Louisiana and one case remains pending in state court in Alabama. One case previously dismissed by the federal district court for the Western District of Louisiana was appealed by the plaintiff to the United States Court of Appeals for the Fifth Circuit, which affirmed such dismissal. The remaining lawsuits pending in federal district court and state court are in the discovery phase. Accordingly, the Company is unable to estimate a range of reasonable possible losses at this time.

The Company has cooperated with investigations from the U.S. Occupational Health and Safety Administration ("OSHA"), the U.S. Chemical Safety Board ("CSB") and the U.S. Environmental Protection Agency ("EPA"). The U.S. Chemical Safety Board completed its investigation and issued its report during the second quarter of 2018. The Company settled with OSHA during the second quarter of 2018 and paid approximately \$40,000 in penalties for citations.

In May 2017, the EPA conducted an on-site inspection of the facility to assess compliance with the Clean Air Act, Risk Management Program ("RMP"). The Company provided additional information to the EPA promptly after the inspection to address certain areas of concern ("AOCs") observed during the inspection. Since the inspection in 2017, PCA performed several voluntary activities to address the AOCs presented in the EPA's inspection report and has removed the RMP covered process from the facility. In January 2021, the EPA and U.S. Department of Justice ("DOJ") initiated civil judicial enforcement discussions with PCA. During the third quarter of 2022, we reached a settlement with the agencies, resulting in an agreed civil penalty of \$2.5 million. The Company did not admit liability for violation of the Clean Air Act in connection with the settlement. The

settlement was approved by the federal district court for the Western District of Louisiana in December 2022, and the agreed civil penalty was paid out in January 2023.

# **Legal Proceedings**

We are also a party to various legal actions arising in the ordinary course of our business. These legal actions include commercial liability claims, premises liability claims, and employment-related claims, among others. As of the date of this filing, we believe it is not reasonably possible that any of the legal actions against us will, either individually or in the aggregate, have a material adverse effect on our financial condition, results of operations, or cash flows.

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

This management's discussion and analysis includes statements regarding our expectations with respect to our future performance, expected business conditions, liquidity, and capital resources. Such statements, along with any other statements that are not historical in nature, are forward-looking. These forward-looking statements are subject to numerous risks and uncertainties, including, but not limited to, the risks and uncertainties described in our 2022 Annual Report on Form 10-K, as well as those factors listed in other documents we file with the Securities and Exchange Commission ("SEC"). We do not assume any obligation to update any forward-looking statement. Our actual results may differ materially from those contained in or implied by any of the forward-looking statements in this Form 10-Q. Please see "Forward Looking Statements" elsewhere in this Item 2.

#### Overview

PCA is the third largest producer of containerboard products and a leading producer of UFS paper in North America. We operate eight mills and 86 corrugated products manufacturing plants. Our containerboard mills produce linerboard and corrugating medium, which are papers primarily used in the production of corrugated products. Our corrugated products manufacturing plants produce a wide variety of corrugated packaging products, including conventional shipping containers used to protect and transport manufactured goods, multi-color boxes and displays with strong visual appeal that help to merchandise the packaged product in retail locations, and honeycomb protective packaging. In addition, we are a large producer of packaging for meat, fresh fruit and vegetables, processed food, beverages, and other industrial and consumer products. We also manufacture and sell UFS papers, including both commodity and specialty papers, which may have custom or specialized features such as colors, coatings, high brightness, and recycled content. We are headquartered in Lake Forest, Illinois and operate primarily in the United States.

This Item 2 is intended to supplement, and should be read in conjunction with, "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in our 2022 Annual Report on Form 10-K.

#### **Executive Summary**

Third quarter net sales were \$1.94 billion in 2023 and \$2.13 billion in 2022. We reported \$183 million of net income, or \$2.03 per diluted share, during the third quarter of 2023, compared to \$262 million, or \$2.80 per diluted share, during the same period in 2022. Net income included \$2 million of expense for special items in the third quarter of 2023, compared to \$3 million of expense for special items in 2022 (discussed below). Excluding special items, net income was \$185 million, or \$2.05 per diluted share, during the third quarter of 2023, compared to \$266 million, or \$2.83 per diluted share, in the third quarter of 2022. The decrease in net income was driven primarily by lower prices and mix and lower volumes in the Packaging segment, lower volume in the Paper segment, higher depreciation expense, a higher tax rate, and other expenses. These items were partially offset by lower operating costs, higher prices and mix in the Paper segment, lower converting costs and lower scheduled maintenance outage expenses in the Packaging segment, and lower freight and logistic expenses. For additional detail on special items included in reported GAAP results, as well as segment income (loss) excluding special items, earnings before non-operating pension income (expense), interest, income taxes, and depreciation, amortization, and depletion ("EBITDA"), and EBITDA excluding special items, see "Item 2. Reconciliations of Non-GAAP Financial Measures to Reported Amounts."

Packaging segment income from operations was \$257 million in the third quarter of 2023, compared to \$359 million in the third quarter of 2022. Packaging segment EBITDA excluding special items was \$374 million in the third quarter of 2023 compared to \$467 million in the third quarter of 2022. The decrease was due to lower prices and mix, lower sales and production volumes, and higher other costs, partially offset by lower operating and converting costs and lower scheduled maintenance outage expenses. During the first half of the year, lower sales and production volumes were driven by lower demand with customers adjusting their ordering patterns to reduce their inventories. Consumer buying preferences shifting more towards service-oriented spending, continued inflation, and higher interest rates have driven lower purchases of both durable and non-durable goods compared to peak 2022 levels. During the third quarter, demand improved with customer ordering patterns returning to more normal levels. Corrugated products shipments increased 1.9% per work day compared to the third quarter of 2022 and 3.9% per work day compared to the second quarter of 2023. We continued to balance our containerboard production with levels appropriate for our demand. Throughout the third quarter of 2023, we continued the temporary idling of our Wallula, WA containerboard mill to help achieve this balance and optimize our cost structure across our containerboard mill system. Based on our current outlook for improving demand together with current plans in the first half of 2024 for scheduled mill maintenance outages and completing the final phase of the containerboard conversion of the No. 3 machine at our Jackson, Alabama mill, we are planning to restart the No. 3 machine at our Wallula mill during the fourth quarter in order to bring our inventories to desired levels. Throughout our mills and corrugated products facilities, operational benefits were achieved through process improvement initiatives including machine and equipment efficienc

Paper segment income from operations was \$28 million in the third quarter of 2023, compared to \$26 million in the third quarter of 2022. Paper segment EBITDA excluding special items was \$35 million in the third quarter of 2023, compared to \$33 million in the third quarter of 2022. The increase was due to higher prices and mix and lower freight and logistic expenses, partially offset by lower sales and production volumes. We continued to adjust our paper production to levels appropriate for our demand and focused on cost effective operations.

Packaging segment income from operations was \$811 million in the first nine months of 2023, compared to \$1,141 million in the same period in 2022. Packaging segment EBITDA excluding special items was \$1,171 million in the first nine months of 2023 compared to \$1,456 million in the first nine months of 2022. The decrease in EBITDA excluding special items was due primarily to lower sales and production volumes, lower prices and mix, and higher freight and logistic expenses, partially offset by lower operating and converting costs, and lower scheduled outage expenses.

Paper segment income from operations was \$91 million in the first nine months of 2023, compared to \$71 million in the first nine months of 2022. Paper segment EBITDA excluding special items was \$115 million in the first nine months of 2023, compared to \$93 million in the same period in 2022. The increase in EBITDA excluding special items was due to higher prices and mix and lower freight and logistic expenses, partially offset by lower sales and production volumes, and higher operating costs.

Special Items and Earnings per Diluted Share, Excluding Special Items

A reconciliation of reported earnings per diluted share to earnings per diluted share, excluding special items, for the three and nine months ended September 30, 2023 and 2022 is as follows:

	 Three M Septe	onths E			led		
	2023		2022		2023		2022
Earnings per diluted share, as reported	\$ 2.03	\$	2.80	\$	6.38	\$	8.70
Special items:							
Jackson mill conversion-related activities (a)	0.02		0.03		0.07		0.08
Facilities closure and other costs (b)	_		_		0.11		_
Total special items	0.02		0.03		0.18		0.08
Earnings per diluted share, excluding special items	\$ 2.05	\$	2.83	\$	6.56	\$	8.78

- (a) For the three and nine months ended September 30, 2023, includes \$2.6 million and \$8.2 million, respectively, of charges related to the announced discontinuation of production of UFS paper grades on the No. 3 machine at the Jackson, Alabama mill associated with the permanent conversion of the machine to produce linerboard and other paper-to-containerboard conversion related activities. For the three and nine months ended September 30, 2022, these amounts were \$3.9 million and \$9.4 million, respectively.
- (b) For the three and nine months ended September 30, 2023, includes \$0.1 million of income and \$13.5 million of charges, respectively, related to the closure of corrugated products facilities and design centers. Included therein are closure costs as well as the gain on sale of a corrugated products facility. For the three and nine months ended September 30, 2022, includes \$0.2 million of charges and \$0.2 million of income, respectively, consisting of closure costs related to corrugated products facilities and acquisition and integration costs related to the December 2021 Advance Packaging Corporation acquisition, partially offset by a gain on sale of assets related to a corrugated products facility. For the nine months ended September 30, 2022, these costs were offset by insurance proceeds received for a natural disaster at one of the corrugated products facilities and a favorable lease buyout for a closed corrugated products facility.

Included in this Item 2 are various non-GAAP financial measures, including diluted EPS excluding special items, segment income excluding special items and EBITDA excluding special items. Management excludes special items as it believes these items are not necessarily reflective of the ongoing results of operations of our business. We present these measures because they provide a means to evaluate the performance of our segments and our Company on an ongoing basis using the same measures that are used by our management, because these measures assist in providing a meaningful comparison between periods presented and because these measures are frequently used by investors and other interested parties in the evaluation of companies and the performance of their segments. A reconciliation of diluted EPS to diluted EPS excluding special items is included above and the reconciliations of other non-GAAP measures used in this Management's Discussion and Analysis of Financial Condition and Results of Operations, to the most comparable measure reported in accordance with GAAP, are included in Item 2 under "Reconciliations of Non-GAAP Financial Measures to Reported Amounts." Any analysis of non-GAAP financial measures should be done in conjunction with results presented in accordance with GAAP. The non-GAAP measures are not intended to be substitutes for GAAP financial measures and should not be used as such.

#### **Industry and Business Conditions**

Trade publications reported North American industry-wide corrugated products shipments were down (4.0%) in total and (0.9%) per work day with two less shipping days during the third quarter of 2023 compared to the same quarter of 2022. Reported industry containerboard production decreased (0.6%) compared to the third quarter of 2022. Reported industry containerboard inventories at the end of the third quarter of 2023 were approximately 2.6 million tons, down (14.2%) compared to the same period in 2022. Reported containerboard export shipments were up 16.3% compared to the third quarter of 2022. In January 2023, index prices decreased \$10 per ton for linerboard and \$30 per ton for corrugating medium, followed by an additional decrease in February of \$20 per ton, each. In May 2023, index prices decreased \$20 per ton for linerboard and \$40 per ton for corrugating medium.

The market for communication papers competes heavily with electronic data transmission and document storage alternatives. Increasing shifts to these alternatives have reduced usage of traditional print media and communication papers. Trade publications reported North American UFS paper shipments were down (12.9%) in the third quarter of 2023 compared to the same quarter of 2022. Average prices reported by a trade publication for cut size office papers were lower by \$7 per ton, or (0.5%) in the third quarter of 2023, compared to the second quarter of 2023, and higher by \$13 per ton, or 0.9%, compared to the third quarter of 2022. In April 2023, index prices declined \$20 per ton for cut size office papers and \$30 per ton for offset printing papers. In June 2023, index prices declined \$10 per ton for cut size office papers and offset printing papers. In August and September 2023, offset printing paper prices declined \$20 and \$10 respectively.

#### Outlook

Looking ahead into the fourth quarter, in our Packaging segment, we expect less market-related downtime as we build our inventories back to appropriate levels along with higher shipments per day in our corrugated products facilities. We also expect lower average prices primarily due to the majority of the May decrease in the published benchmark index grades being realized throughout the third quarter as well as a seasonally less rich mix. In our Paper segment, volume will be lower compared to the seasonally stronger third quarter and prices and mix are assumed to trend lower with declines in the index prices. Operating and converting costs will increase driven by higher recycled fiber prices, seasonal energy costs, and re-start of the Wallula mill. Depreciation expense is estimated to be slightly higher and scheduled maintenance outage expenses will be lower. Considering these items, we expect fourth quarter earnings to be lower than the third quarter.

#### **Results of Operations**

#### Three Months Ended September 30, 2023, compared to Three Months Ended September 30, 2022

The historical results of operations of PCA for the three months ended September 30, 2023 and 2022 are set forth below (dollars in millions):

		Three Months Ended September 30,							
	2	2023		2022		Change			
Packaging	\$	1,759.8	\$	1,940.2	\$	(180.4)			
Paper		157.9		165.3		(7.4)			
Corporate and Other		63.5		63.3		0.2			
Intersegment eliminations		(45.2)		(42.9)		(2.3)			
Net sales	\$	1,936.0	\$	2,125.9	\$	(189.9)			
Packaging	\$	256.8	\$	359.2	\$	(102.4)			
Paper		27.6		26.1		1.5			
Corporate and Other		(25.8)		(25.0)		(0.8)			
Income from operations	\$	258.6	\$	360.3	\$	(101.7)			
Non-operating pension (expense) income		(1.8)		3.6		(5.4)			
Interest expense, net		(12.3)		(16.5)		4.2			
Income before taxes		244.5		347.4		(102.9)			
Income tax provision		(61.3)		(84.9)		23.6			
Net income	\$	183.2	\$	262.5	\$	(79.3)			
Non-GAAP Measures (a)									
Net income excluding special items	\$	185.1	\$	265.6	\$	(80.5)			
Consolidated EBITDA		387.9		474.3		(86.4)			
Consolidated EBITDA excluding special items		387.8		477.1		(89.3)			
Packaging EBITDA		374.3		464.5		(90.2)			
Packaging EBITDA excluding special items		374.2		467.1		(92.9)			
Paper EBITDA		35.4		32.4		3.0			
Paper EBITDA excluding special items		35.4		32.6		2.8			

(a) See "Reconciliations of Non-GAAP Financial Measures to Reported Amounts" included in this Item 2 for a reconciliation of non-GAAP measures to the most comparable GAAP measure.

#### **Net Sales**

Net sales decreased \$190 million, or (8.9%), to \$1,936 million during the three months ended September 30, 2023, compared to \$2,126 million during the same period in 2022.

Packaging. Net sales decreased \$180 million, or (9.3%), to \$1,760 million, compared to \$1,940 million in the third quarter of 2022 due to lower containerboard and corrugated products prices and mix (\$186 million), partially offset by higher volume (\$6 million). In the third quarter of 2023, export and domestic containerboard outside shipments increased 18.1% compared to the third quarter of 2022. Our total corrugated products shipments were down (1.3%) in total and up 1.9% per workday, with two less shipping days, compared to the same period in 2022. In the third quarter of 2023, our domestic containerboard prices were (14.6%) lower, while export prices were (36.2%) lower, than the same period in 2022.

*Paper.* Net sales decreased \$7 million, or (4.5%), to \$158 million, compared to \$165 million in the third quarter of 2022, due to lower volume (\$12 million), partially offset by higher prices and mix (\$5 million).

#### **Gross Profit**

Gross profit decreased \$106 million during the three months ended September 30, 2023, compared to the same period in 2022. The decrease was driven primarily by lower prices and mix and lower volumes in our Packaging segment, higher depreciation expense, lower volume in the Paper segment, and other expenses, partially offset by lower operating costs, higher prices and mix in the Paper segment, lower converting costs, lower scheduled maintenance outage expenses, and lower freight and logistic expenses. In the three months ended September 30, 2023, gross profit included \$3 million of special items related to Jackson mill conversion-related activities. In the three months ended September 30, 2022, gross profit

included \$2 million of special items for charges related to Jackson mill conversion-related activities and closure costs related to corrugated products facilities.

#### Selling, General, and Administrative Expenses

Selling, general, and administrative expenses ("SG&A") decreased \$1 million during the three months ended September 30, 2023, compared to the same period in 2022. The decrease was primarily due to outside services and insurance.

#### Other Income (Expense), Net

Other income (expense), net, for the three months ended September 30, 2023 and 2022 are set forth below (dollars in millions):

	Three Mon Septeml	
	2023	2022
Asset disposals and write-offs	\$ (9.0)	\$ (7.5)
Facilities closure and other income	0.1	0.2
Jackson mill conversion-related activities	_	(2.7)
Other	(1.0)	(2.9)
Total	\$ (9.9)	\$ (12.9)

We discuss these items in more detail in Note 5, Other Income (Expense), Net, of the Condensed Notes to Unaudited Quarterly Consolidated Financial Statements in "Part I, Item 1. Financial Statements" of this Form 10-Q.

#### **Income from Operations**

Income from operations decreased \$102 million, or (28.2%), during the three months ended September 30, 2023, compared to the same period in 2022. The third quarter of 2023 included \$2 million of special items expense primarily related to Jackson mill conversion-related activities and activity related to corrugated products facilities closures, compared to \$4 million of special items expense primarily related to costs from Jackson mill conversion-related activities in the third quarter of 2022.

Packaging. Packaging segment income from operations decreased \$102 million to \$257 million, compared to \$359 million during the three months ended September 30, 2022. The decrease related primarily to lower containerboard and corrugated products prices and mix (\$159 million), lower sales and production volumes (\$11 million), higher depreciation expense (\$12 million), and higher other costs (\$5 million), partially offset by lower operating and converting costs (\$76 million), and lower annual outage expenses (\$6 million). Special items during the third quarter of 2023 included an insignificant amount of special items in the Packaging segment, compared to \$3 million of expense primarily related to Jackson mill conversion-related activities in the third quarter of 2022.

*Paper.* Paper segment income from operations increased \$2 million to \$28 million, compared to \$26 million during the three months ended September 30, 2022. The increase primarily related to higher prices and mix (\$5 million) and lower freight expenses (\$3 million), partially offset by lower sales and production volumes (\$6 million). Special items during the third quarter of 2023 and 2022 included \$3 million and \$1 million, respectively, of expense for Jackson mill conversion-related activities.

#### Non-Operating Pension Expense, Interest Expense, Net and Income Taxes

Non-operating pension expense increased \$5 million during the three months ended September 30, 2023, compared to the same period in 2022. The increase in non-operating pension expense was related to unfavorable 2022 asset performance, partially offset by favorable assumption changes.

Interest expense, net for the three months ended September 30, 2023 decreased \$4 million when compared to the same period in 2022. The decrease in interest expense, net was primarily due to higher interest income due to higher rates on invested cash balances compared to the same period in 2022.

During the three months ended September 30, 2023, we recorded \$61 million of income tax expense, compared to \$85 million of expense during the three months ended September 30, 2022. The effective tax rate for the three months ended September 30, 2023 and 2022 was 25.1% and 24.4%, respectively. The increase in our effective tax rate for the three months ended September 30, 2023 compared to the same period in 2022 was primarily due to lower excess tax benefits associated with employee restricted stock and performance unit vests as well as lower favorable state tax law changes.

#### Nine Months Ended September 30, 2023, compared to Nine Months Ended September 30, 2022

The historical results of operations of PCA for the nine months ended September 30, 2023 and 2022 are set forth below (dollars in millions):

	September 30,								
Packaging Paper Corporate and Other Intersegment eliminations Net sales  Packaging Paper Corporate and Other Income from operations Non-operating pension (expense) income Interest expense, net Income before taxes Income tax provision Net income Non-GAAP Measures (a) Net income excluding special items Consolidated EBITDA Consolidated EBITDA excluding special items Packaging EBITDA Packaging EBITDA excluding special items	 2023		2022		Change				
Packaging	\$ 5,358.7	\$	5,971.6	\$	(612.9)				
Paper	451.6		468.6		(17.0)				
Corporate and Other	185.1		184.8		0.3				
Intersegment eliminations	(130.9)		(125.4)		(5.5)				
Net sales	\$ 5,864.5	\$	6,499.6	\$	(635.1)				
Packaging	\$ 810.5	\$	1,141.3	\$	(330.8)				
Paper	90.8		71.2		19.6				
Corporate and Other	(87.7)		(79.8)		(7.9)				
Income from operations	\$ 813.6	\$	1,132.7	\$	(319.1)				
Non-operating pension (expense) income	(5.8)		10.9		(16.7)				
Interest expense, net	(42.2)		(55.3)		13.1				
Income before taxes	765.6		1,088.3		(322.7)				
Income tax provision	(189.6)		(270.1)		80.5				
Net income	\$ 576.0	\$	818.2	\$	(242.2)				
Non-GAAP Measures (a)									
Net income excluding special items	\$ 592.3	\$	825.1	\$	(232.8)				
Consolidated EBITDA	1,200.4		1,470.7		(270.3)				
Consolidated EBITDA excluding special items	1,210.2		1,476.8		(266.6)				
Packaging EBITDA	1,163.2		1,453.5		(290.3)				
Packaging EBITDA excluding special items	1,171.0		1,456.3		(285.3)				
Paper EBITDA	113.3		89.7		23.6				
Paper EBITDA excluding special items	115.3		93.0		22.3				

Nine Months Ended

(a) See "Reconciliations of Non-GAAP Financial Measures to Reported Amounts" included in this Item 2 for a reconciliation of non-GAAP measures to the most comparable GAAP measure.

#### **Net Sales**

Net sales decreased \$635 million, or (9.8%), to \$5,865 million during the nine months ended September 30, 2023, compared to \$6,500 million during the same period in 2022.

Packaging. Net sales decreased \$613 million, or (10.3%), to \$5,359 million, compared to \$5,972 million in the nine months ended September 30, 2022, due to lower containerboard and corrugated products volume (\$430 million) and lower containerboard and corrugated products prices and mix (\$183 million). In the first nine months of 2023, our domestic containerboard prices were (9.3%) lower, while export prices were (27.9%) lower, than the same period in 2022. In the first nine months of 2023, export and domestic containerboard outside shipments decreased (13.7%) compared to the first nine months of 2022. Total corrugated products shipments were down (8.1%) in total and (7.1%) per workday, with two less shipping days, compared to the same period in 2022.

*Paper.* Net sales during the nine months ended September 30, 2023 decreased \$17 million, or (3.6%), to \$452 million, compared to \$469 million in the nine months ended September 30, 2022, due to lower volume (\$60 million), partially offset by higher prices and mix (\$43 million).

#### **Gross Profit**

Gross profit decreased \$352 million during the nine months ended September 30, 2023, compared to the same period in 2022. The decrease was driven primarily by lower volumes in the Packaging and Paper segments, lower prices and mix in the Packaging segment, higher depreciation expense, partially offset by lower operating costs, higher prices and mix in the Paper segment, and lower scheduled maintenance outage expenses. In the nine months ended September 30, 2023, gross profit included \$12 million of special items expense primarily related to closure costs related to corrugated products facilities and Jackson mill conversion-related activities. In the nine months ended September 30, 2022, gross profit included \$5 million of special items expense primarily related to Jackson mill conversion-related activities.

#### Selling, General, and Administrative Expenses

Selling, general, and administrative expenses ("SG&A") decreased \$25 million during the nine months ended September 30, 2023, compared to the same period in 2022. The decrease was primarily due to lower bad debt expense, employee-related expenses, and outside services.

#### Other Income (Expense), Net

Other income (expense), net, for the nine months ended September 30, 2023 and 2022 are set forth below (dollars in millions):

	Nine Months Ended							
	 September 30,							
	 2023		2022					
Asset disposals and write-offs	\$ (22.2)	\$	(33.9)					
Facilities closure and other income (costs)	(7.0)		0.4					
Jackson mill conversion-related activities	(1.5)		(4.8)					
Other	(6.4)		(6.4)					
Total	\$ (37.1)	\$	(44.7)					

We discuss these items in more detail in Note 5, Other Income (Expense), Net, of the Condensed Notes to Unaudited Quarterly Consolidated Financial Statements in "Part I, Item 1. Financial Statements" of this Form 10-Q.

#### **Income from Operations**

Income from operations decreased \$319 million, or (28.2%), during the nine months ended September 30, 2023, compared to the same period in 2022. The first nine months of 2023 included \$22 million of special items expense primarily related to corrugated facility closure costs and Jackson mill conversion-related costs, compared to \$9 million of special items expense primarily related to Jackson mill conversion-related costs, corrugated facility closure costs, and acquisition and integration costs related to Advance Packaging, partially offset by income related to storm damage proceeds and a favorable lease buyout for a closed corrugated facility in the same period in 2022.

Packaging. Packaging segment income from operations decreased \$331 million to \$811 million during the first nine months of 2023, compared to the same period last year. The decrease related primarily to lower sales and production volumes (\$239 million), lower containerboard and corrugated products prices and mix (\$142 million), higher depreciation expense (\$35 million), and higher freight expenses (\$13 million), partially offset by lower operating and converting costs (\$97 million), and lower annual outage expenses (\$11 million). Special items during the first nine months of 2023 included \$13 million of expense related to corrugated facility closure costs, compared to \$3 million of expense related to Jackson mill conversion-related costs, corrugated facility closure costs, and acquisition and integration costs related to Advance Packaging, partially offset by income related to storm damage proceeds and a favorable lease buyout for a closed corrugated facility in the same period in 2022.

Paper. Paper segment income from operations increased \$20 million to \$91 million, compared to the nine months ended September 30, 2022. The increase primarily related to higher prices and mix (\$43 million) and lower freight expenses (\$11 million), partially offset by lower sales and production volumes (\$19 million), higher operating costs (\$15 million), and higher depreciation (\$1 million). Special items during the first nine months of 2023 and 2022 included \$9 million and \$6 million, respectively, of expense related to Jackson mill conversion-related activities.

#### Non-Operating Pension Expense, Interest Expense, and Income Taxes

Non-operating pension expense increased \$17 million during the nine months ended September 30, 2023, compared to the same period in 2022. The increase in non-operating pension expense was related to unfavorable 2022 asset performance, partially offset by favorable assumption changes.

Interest expense, net decreased \$13 million during the nine months ended September 30, 2023, compared to the same period in 2022. The decrease in interest expense, net was primarily due to higher interest income in 2023 due to higher rates on invested cash balances during the first nine months of 2023, compared to the same period in 2022.

During the nine months ended September 30, 2023, we recorded \$190 million of income tax expense, compared to \$270 million of expense during the nine months ended September 30, 2022. The effective tax rate for the nine months ended September 30, 2023 and 2022 was 24.8% for both periods.

#### **Liquidity and Capital Resources**

# Sources and Uses of Cash

Our primary sources of liquidity are net cash provided by operating activities and available borrowing capacity under our revolving credit facility. At September 30, 2023, we had \$573 million of cash and cash equivalents, \$153 million of marketable debt securities, and \$323 million of unused borrowing capacity under the revolving credit facility, net of letters of credit. Currently, our primary uses of cash are for operations, capital expenditures, acquisitions, debt service, common stock dividends, and repurchases of common stock. We believe that net cash generated from operating activities, cash on hand, available borrowings under our revolving credit facility, and available capital through access to capital markets will be adequate to meet our liquidity and capital requirements, including payments of any declared common stock dividends, for the foreseeable future. As our debt or credit facilities become due, we will need to repay, extend, or replace such facilities. Our ability to do so will be subject to future economic conditions and financial, business, and other factors, many of which are beyond our control.

Below is a summary table of our cash flows, followed by a discussion of our sources and uses of cash through operating activities, investing

		Septem				
	2023 2022					Change
Net cash provided by (used for):						
Operating activities	\$	979.8	\$	1,074.9	\$	(95.1)
Investing activities		(331.1)		(581.9)		250.8
Financing activities		(395.5)		(463.0)		67.5
Net increase in cash and cash equivalents	\$	253.2	\$	30.0	\$	223.2

Nine Months Ended

#### **Operating Activities**

Our operating cash flow is primarily driven by our earnings and changes in operating assets and liabilities, such as accounts receivable, inventories, accounts payable and other accrued liabilities, as well as factors described below. Cash requirements for operating activities are subject to PCA's operating needs and the timing of collection of receivables and payments of payables and expenses.

During the nine months ended September 30, 2023, net cash provided by operating activities was \$980 million, compared to \$1,075 million in the same period in 2022, a decrease of \$95 million. Cash from operations excluding changes in cash used for operating assets and liabilities decreased \$231 million primarily due to lower income from operations in 2023 as discussed above. Cash from operations increased by \$136 million due to changes in operating assets and liabilities primarily due to the following:

- a) a net favorable change in inventories in the first nine months of 2023 compared to the same period in 2022, primarily due to an increase in inventory levels in the Packaging segment during the first nine months of 2022 partially offset by an increase in Paper inventory levels due to softening demand during the same period in 2023;
- b) a net favorable change in income taxes due to lower tax payments during the first nine months of 2023 compared to the same period in 2022; and
- c) a net favorable change in accounts receivable in the first nine months of 2023 compared to the same period in 2022 primarily due to a smaller increase in accounts receivable levels for the Packaging segment as a result of lower sales volumes and pricing during the first nine months of 2023 compared to the same period in 2022.

These favorable changes were partially offset by the following:

- a) a net unfavorable change in accrued liabilities in the first nine months of 2023 compared to the same period in 2022 primarily due to a decrease in customer rebates related to the timing of payments and lower sales volumes and lower accruals for employee compensation and benefit liabilities; and
- b) a net unfavorable change in accounts payable in the first nine months of 2023 compared to the same period in 2022 primarily due to lower production and sales volumes, which resulted in lower purchasing and manufacturing activities.

#### **Investing Activities**

We used \$331 million for investing activities during the nine months ended September 30, 2023 compared to \$582 million during the same period in 2022. We spent \$329 million for internal capital investments during the nine months ended September 30, 2023, compared to \$577 million during the same period in 2022.

We expect capital investments in 2023 to be approximately \$475 million. These expenditures could increase or decrease as a result of a number of factors, including our financial results, strategic opportunities, future economic conditions, and our regulatory compliance requirements. We currently estimate capital expenditures to comply with environmental regulations will be about \$20 million in 2023. Our estimated environmental expenditures could vary significantly depending upon the enactment of new environmental laws and regulations. For additional information, see "Environmental Matters" in "Part II, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations" of our 2022 Annual Report on Form 10-K.

#### **Financing Activities**

During the nine months ended September 30, 2023, net cash used for financing activities was \$396 million, compared to \$463 million of net cash used for financing activities during the same period in 2022. We paid \$337 million of dividends during the first nine months of 2023, compared to \$304 million of dividends paid during the comparable period in 2022. We repurchased and retired 0.3 million shares of the Company's common stock for \$42 million during the first nine months of 2023, compared to repurchases of 1.0 million shares of the Company's common stock for \$142 million during the same period in 2022.

In addition to the items discussed in Note 11, Debt, of the Condensed Notes to Unaudited Quarterly Consolidated Financial Statements in "Part I, Item 1. Financial Statements" of this Form 10-Q, see Note 11, Debt, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K for more information.

#### **Contractual Obligations**

There have been no material changes to the contractual obligations disclosed in Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations" of our 2022 Annual Report on Form 10-K.

#### **Reconciliations of Non-GAAP Financial Measures to Reported Amounts**

Income from operations excluding special items, net income excluding special items, EBITDA, and EBITDA excluding special items are non-GAAP financial measures. Management excludes special items, as it believes that these items are not necessarily reflective of the ongoing operations of our business. These measures are presented because they provide a means to evaluate the performance of our segments and our Company on an ongoing basis using the same measures that are used by our management, because these measures assist in providing a meaningful comparison between periods and because these measures are frequently used by investors and other interested parties in the evaluation of companies and the performance of their segments. Any analysis of non-GAAP financial measures should be done in conjunction with results presented in accordance with GAAP. The non-GAAP measures are not intended to be substitutes for GAAP financial measures and should not be used as such. Reconciliations of the non-GAAP measures to the most comparable measure reported in accordance with GAAP for the three and nine months ended September 30, 2023 and 2022 follow (dollars in millions):

Three Months Ended September 30,

			2023					2022		
		Income before Taxes	Income Taxes		Net Income		Income before Taxes	Income Taxes	I	Net ncome
As reported in accordance with GAAP	\$	244.5	\$ (61.3)	\$	183.2	\$	347.4	\$ (84.9)	\$	262.5
Special items:										
Jackson mill conversion-related activities (a)		2.6	(0.6)		2.0		3.9	(1.0)		2.9
Facilities closure and other costs (income) (b)		(0.1)	_		(0.1)		0.2	_		0.2
Total special items		2.5	(0.6)		1.9		4.1	(1.0)		3.1
Excluding special items	\$	247.0	\$ (61.9)	\$	185.1	\$	351.5	\$ (85.9)	\$	265.6
			N	ine I	Months Ended S	Septe	mber 30,			
	<u></u>		2023					2022		
		Income before Taxes	Income Taxes		Net Income		Income before Taxes	Income Taxes	I	Net ncome
As reported in accordance with GAAP	\$	765.6	\$ (189.6)	\$	576.0	\$	1,088.3	\$ (270.1)	\$	818.2
Special items:										
Facilities closure and other costs (income) (b)		13.5	(3.4)		10.1		(0.2)	_		(0.2)
Jackson mill conversion-related activities (a)		8.2	(2.0)		6.2		9.4	(2.3)		7.1
Jackson mill conversion-related activities (a)  Total special items		8.2 21.7	(5.4)		6.2 16.3		9.4	(2.3)		6.9

- (a) Includes charges related to the announced discontinuation of production of UFS paper grades on the No. 3 machine at the Jackson, Alabama mill associated with the permanent conversion of the machine to produce linerboard and other paper-to-containerboard conversion related activities.
- (b) For 2023, includes charges consisting of closure costs related to the closure of corrugated products facilities and design centers. Included therein are closure costs as well as the gain on sale of a corrugated products facility. For the three months ended September 30, 2022, includes closure costs related to corrugated products facilities and acquisition and integration costs related to the December 2021 Advance Packaging Corporation acquisition, partially offset by a gain on sale of assets related to a corrugated products facility. For the nine months ended September 30, 2022, these costs were offset by insurance proceeds received for a natural disaster at one of the corrugated products facilities and a favorable lease buyout for a closed corrugated products facility.

The following table reconciles net income to EBITDA and EBITDA excluding special items for the periods indicated (dollars in millions):

		Three Moi Septem		Nine Moi Septer		
	-	2023	2022	2023	2022	
Net income	\$	183.2	\$ 262.5	\$ 576.0	\$	818.2
Non-operating pension expense (income)		1.8	(3.6)	5.8		(10.9)
Interest expense, net		12.3	16.5	42.2		55.3
Income tax provision		61.3	84.9	189.6		270.1
Depreciation, amortization, and depletion		129.3	114.0	386.8		338.0
EBITDA	\$	387.9	\$ 474.3	\$ 1,200.4	\$	1,470.7
Special items:						
Facilities closure and other costs (income)		(0.1)	0.1	8.1		(0.3)
Jackson mill conversion-related activities		_	2.7	1.7		6.4
Total special items	-	(0.1)	 2.8	9.8		6.1
EBITDA excluding special items	\$	387.8	\$ 477.1	\$ 1,210.2	\$	1,476.8

The following table reconciles segment income (loss) to EBITDA and EBITDA excluding special items for the periods indicated (dollars in millions):

	 Three Months Ended September 30,						nded 0,
	 2023		2022	2023			2022
Packaging							
Segment income	\$ 256.8	\$	359.2	\$	810.5	\$	1,141.3
Depreciation, amortization, and depletion	 117.5		105.3		352.7		312.2
EBITDA	 374.3		464.5		1,163.2		1,453.5
Facilities closure and other costs (income)	(0.1)		0.1		8.1		(0.3)
Jackson mill conversion-related activities	 		2.5		(0.3)		3.1
EBITDA excluding special items	\$ 374.2	\$	467.1	\$	1,171.0	\$	1,456.3
Paper							
Segment income	\$ 27.6	\$	26.1	\$	90.8	\$	71.2
Depreciation, amortization, and depletion	7.8		6.3		22.5		18.5
EBITDA	35.4		32.4		113.3		89.7
Jackson mill conversion-related activities			0.2		2.0		3.3
EBITDA excluding special items	\$ 35.4	\$	32.6	\$	115.3	\$	93.0
Corporate and Other							
Segment loss	\$ (25.8)	\$	(25.0)	\$	(87.7)	\$	(79.8)
Depreciation, amortization, and depletion	 4.0		2.4		11.6		7.3
EBITDA	(21.8)		(22.6)		(76.1)		(72.5)
EBITDA excluding special items	\$ (21.8)	\$	(22.6)	\$	(76.1)	\$	(72.5)
EBITDA	\$ 387.9	\$	474.3	\$	1,200.4	\$	1,470.7
EBITDA excluding special items	\$ 387.8	\$	477.1	\$	1,210.2	\$	1,476.8

#### **Market Risk and Risk Management Policies**

PCA is exposed to the impact of commodity price changes, interest rate changes, and changes in the market value of its financial instruments. To manage these risks, we may from time to time enter into transactions, including certain physical commodity transactions, that are determined to be derivatives. As of September 30, 2023, we are party to certain physical commodity transactions related to natural gas supply contracts. These contracts qualify for the normal purchase normal sale ("NPNS") exception, and we have elected that exception. For a discussion of derivatives and hedging activities, see Note 2, Summary of Significant Account Policies, of the Notes to Consolidated Financial Statements in "Part II, Item 8. Financial Statements and Supplementary Data" of our 2022 Annual Report on Form 10-K.

At September 30, 2023, interest rates on 100% of PCA's outstanding debt are fixed.

#### **Off-Balance-Sheet Activities**

The Company does not have any off-balance sheet arrangements as of September 30, 2023.

#### **Environmental Matters**

There have been no material changes to the disclosure set forth in Item 7. "Management's Discussion and Analysis of Financial Condition and Results of Operations - Environmental Matters" filed with our 2022 Annual Report on Form 10-K.

#### **Critical Accounting Policies and Estimates**

Management's discussion and analysis of financial condition and results of operations are based upon the Company's consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America. The preparation of these financial statements requires us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosures of contingent assets and liabilities. On an ongoing basis, PCA evaluates its estimates, including those related to business combinations, pensions and other postretirement benefits, goodwill and intangible assets, long-lived asset impairment, environmental liabilities, and income taxes, among others. PCA bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions.

PCA has included in its 2022 Annual Report on Form 10-K a discussion of its critical accounting policies and estimates which require management's most difficult, subjective, or complex judgments used in the preparation of its consolidated financial statements. PCA has not had any changes to these critical accounting estimates during the first nine months of 2023.

#### **New and Recently Adopted Accounting Standards**

For a listing of our new and recently adopted accounting standards, see Note 2, New and Recently Adopted Accounting Standards, of the Condensed Notes to Unaudited Quarterly Consolidated Financial Statements in "Part I, Item 1. Financial Statements" of this Form 10-Q.

#### **Forward-Looking Statements**

Some of the statements in this Quarterly Report on Form 10-Q, and in particular, statements found in this Management's Discussion and Analysis of Financial Condition and Results of Operations, that are not historical in nature are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include statements about our expectations regarding our future liquidity, earnings, expenditures, and financial condition. These statements are often identified by the words "will," "should," "anticipate," "believe," "expect," "intend," "estimate," "hope," or similar expressions. These statements reflect management's current views with respect to future events and are subject to risks and uncertainties. There are important factors that could cause actual results to differ materially from those in forward-looking statements, many of which are beyond our control. These factors, risks and uncertainties include the following:

- the impact of general economic conditions;
- · the impact of acquired businesses and risks and uncertainties regarding operation, expected benefits and integration of such businesses;
- containerboard, corrugated products, and white paper general industry conditions, including competition, product demand, product pricing, and input costs;
- fluctuations in wood fiber and recycled fiber costs;
- fluctuations in purchased energy costs;
- the possibility of unplanned outages or interruptions at our principal facilities; and
- legislative or regulatory actions or requirements, particularly concerning environmental or tax matters.

Our actual results, performance or achievement could differ materially from those expressed in, or implied by, these forward-looking statements, and accordingly, we can give no assurances that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do occur, what impact they will have on our results of operations or financial condition. Given these uncertainties, investors are cautioned not to place undue reliance on these forward-looking statements. We expressly disclaim any obligation to publicly revise any forward-looking statements that have been made to reflect the occurrence of events after the date hereof. For a discussion of other factors, risks and



#### Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

For a discussion of market risks related to PCA, see Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations - Market Risk and Risk Management Policies" in this Quarterly Report on Form 10-Q.

#### Item 4. CONTROLS AND PROCEDURES

PCA maintains disclosure controls and procedures (as defined in Rule 13a-15(e) of the Securities Exchange Act of 1934) that are designed to provide reasonable assurance that information required to be disclosed in PCA's filings under the Securities Exchange Act is recorded, processed, summarized and reported within the periods specified in the rules and forms of the SEC and that such information is accumulated and communicated to PCA's management, including its Chief Executive Officer and Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure.

Prior to filing this report, PCA completed an evaluation under the supervision and with the participation of PCA's management, including PCA's Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of PCA's disclosure controls and procedures as of September 30, 2023. The evaluation of PCA's disclosure controls and procedures included a review of the controls' objectives and design, PCA's implementation of the controls, and the effect of the controls on the information generated for use in this report. Based on this evaluation, PCA's Chief Executive Officer and Chief Financial Officer concluded that PCA's disclosure controls and procedures were effective at the reasonable assurance level as of September 30, 2023.

#### **Changes in Internal Control over Financial Reporting**

There have been no changes in our internal control over financial reporting (as defined in Rule13a-15(f) under the Exchange Act) that occurred during the most recent fiscal quarter ended September 30, 2023 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

#### PART II OTHER INFORMATION

#### Item 1. LEGAL PROCEEDINGS

The disclosure set forth under the caption "Legal Proceedings" in Note 19, Commitments, Guarantees, Indemnifications and Legal Proceedings, of the Condensed Notes to Unaudited Quarterly Consolidated Financial Statements in "Part I, Item 1. Financial Statements" of this Form 10-Q is incorporated herein by reference.

#### Item 1A. RISK FACTORS

There have been no material changes to the risk factors disclosed in "Part I, Item IA. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2022.

#### Item 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

The following table presents information related to our repurchases of common stock made under repurchase plans authorized by PCA's Board of Directors, and shares withheld to cover taxes on vesting of equity awards, during the three months ended September 30, 2023:

Issuer Purchases of Equity Securities									
Period	Total Number Average of Shares Price Paid Per Purchased (a) Share (b)		Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs		Approximate Dollar Value of Shares That May Yet Be Purchased Under the Plans or Programs (in millions)				
July 1-31, 2023	323	\$	133.43	_	\$	477.5			
August 1-31, 2023	83,279		144.94	83,279		465.4			
September 1-30, 2023	203,879		144.77	203,000		436.0			
Total	287,481	\$	144.81	286,279	\$	436.0			

<sup>(</sup>a) 1,202 shares were withheld from employees to cover income and payroll taxes on equity awards that vested during the period.

#### Item 3. DEFAULTS UPON SENIOR SECURITIES

None.

#### Item 4. MINE SAFETY DISCLOSURES

Not applicable.

# Item 5. OTHER INFORMATION

During the three months ended September 30, 2023, none of the Company's directors or officers adopted or terminated any contract, instruction, or written plan for the purchase or sale of our securities intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) under the Exchange Act or any non-Rule 10b5-1 trading arrangements as defined in Item 408(a) of Regulation S-K.

<sup>(</sup>b) Excludes commissions.

Exhibit Number	Description
31.1	Certification of Chief Executive Officer, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. †
31.2	Certification of Chief Financial Officer, as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002. †
32	Certification of Chief Executive Officer and Chief Financial Officer Pursuant to 18 U.S.C. §1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002. †
101.INS	Inline XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document. †
101.SCH	Inline XBRL Taxonomy Extension Schema Document. †
101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document. †
101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document. †
101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document. †
101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document. †
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101). †
† Filed h	erewith.

Item 6.

**EXHIBITS** 

# SIGNATURES

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

Packaging Corporation of America

/s/ PAMELA A. BARNES

Pamela A. Barnes

Senior Vice President, Finance and Controller

#### CEO CERTIFICATION PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

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

/s/ Mark W. Kowlzan

Mark W. Kowlzan Chairman and Chief Executive Officer

#### CFO CERTIFICATION PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002

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

/s/ Robert P. Mundy

Robert P. Mundy
Executive Vice President and Chief Financial Officer

# CERTIFICATIONS OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. §1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

- I, Mark W. Kowlzan, Chief Executive Officer of Packaging Corporation of America (the "Company"), certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:
  - (1) The Quarterly Report of the Company on Form 10-Q for the period ended September 30, 2023 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
  - (2) The information contained in such Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Mark W. Kowlzan

Mark W. Kowlzan

Chairman and Chief Executive Officer

Date: November 3, 2023

- I, Robert P. Mundy, Chief Financial Officer of Packaging Corporation of America (the "Company"), certify, pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:
  - (1) The Quarterly Report of the Company on Form 10-Q for the period ended September 30, 2023 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
  - (2) The information contained in such Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Robert P. Mundy

Robert P. Mundy

Executive Vice President and Chief Financial Officer