TREDEGAR CORP Form 10-Q November 09, 2018 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF $^{\rm x}$ 1934

For the quarterly period ended September 30, 2018

OR

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

For the transition period from to

Commission file number 1-10258

Tredegar Corporation

(Exact Name of Registrant as Specified in Its Charter)

Virginia 54-1497771
(State or Other Jurisdiction of Incorporation or Organization)
1100 Boulders Parkway
Richmond, Virginia

(Address of Principal Executive Offices) (Zip Code)

Registrant's Telephone Number, Including Area Code: (804) 330-1000

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes x No "Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes x No "

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

Large accelerated filer "Accelerated filerx Smaller reporting company"

Non-accelerated filer " Emerging growth company "

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

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

The number of shares of Common Stock, no par value, outstanding as of October 25, 2018: 33,176,024

PART I - FINANCIAL INFORMATION

Item 1.Financial Statements.
Tredegar Corporation
Consolidated Balance Sheets

(In Thousands, Except Share Data)

(Unaudited)

	September 30, 2018	December 31, 2017
Assets		
Current assets:		
Cash and cash equivalents	\$36,776	\$36,491
Accounts and other receivables, net of allowance for doubtful accounts and sales returns of	125,368	120,135
\$5,764 in 2018 and \$3,304 in 2017		
Income taxes recoverable	5,886	32,080
Inventories	92,800	86,907
Prepaid expenses and other	7,754	8,224
Total current assets	268,584	283,837
Property, plant and equipment, at cost	777,834	770,892
Less accumulated depreciation		(547,801)
Net property, plant and equipment	218,283	223,091
Investment in kaléo (cost basis of \$7,500)	65,900	54,000
Identifiable intangible assets, net	37,142	40,552
Goodwill Deferred income taxes	81,404	128,208
	11,357	16,636
Other assets Tatal assets	8,266	9,419
Total assets Liabilities and Shareholders' Favity	\$690,936	\$755,743
Liabilities and Shareholders' Equity Current liabilities:		
	\$128,034	\$108,391
Accounts payable Accrued expenses	45,138	42,433
Total current liabilities	173,172	150,824
Long-term debt	91,000	150,824
Pension and other postretirement benefit obligations, net	89,227	98,837
Deferred income taxes		2,123
Other noncurrent liabilities	8,766	8,179
Total liabilities	362,165	411,963
Commitments and contingencies (Notes 1 and 13)	302,103	411,703
Shareholders' equity:		
Common stock, no par value (issued and outstanding - 33,176,024 shares at September 30,		
2018 and 33,017,422 shares at December 31, 2017)	38,531	34,747
Common stock held in trust for savings restoration plan (72,510 shares at September 30, 2018	(1,552)	(1,528)
and 71,309 shares at December 31, 2017)		
Accumulated other comprehensive income (loss):	(07.740	(96 179)
Foreign currency translation adjustment	,	(86,178)
Gain (loss) on derivative financial instruments		459
Pension and other post-retirement benefit adjustments		(90,950)
Retained earnings	474,997	487,230

Total shareholders' equity Total liabilities and shareholders' equity See accompanying notes to financial statements. 328,771 343,780 \$690,936 \$755,743

Tredegar Corporation Consolidated Statements of Income (In Thousands, Except Per Share Data) (Unaudited)

	•		Nine Mont September 2018		
Revenues and other items:	2010	2017	2010	2017	
Sales	\$267,294	\$247 121	\$789,765	\$715,494	
Other income (expense), net	•	34	11,532	38,055	
(F),	264,737	247,155	801,297	753,549	
Costs and expenses:		,		, , , , ,	
Cost of goods sold	217,378	194,508	631,235	569,555	
Freight	9,438	8,621	26,667	24,840	
Selling, general and administrative	20,676	20,718	63,452	61,852	
Research and development	5,150	4,455	14,107	14,028	
Amortization of identifiable intangibles	1,022	1,658	3,076	4,550	
Pension and postretirement benefits	2,653	2,381	7,809	7,645	
Interest expense	1,318	1,757	4,539	4,579	
Asset impairments and costs associated with exit and disposal activities,	1,209	361	1,799	653	
net of adjustments	1,209	301	1,799	033	
Goodwill impairment charge	46,792		46,792	_	
Total	305,636	234,459	799,476	687,702	
Income (loss) before income taxes		12,696	1,821	65,847	
Income taxes (benefit)		4,422	3,135	9,667	
Net income (loss)	\$(34,200)	\$8,274	\$(1,314)	\$56,180	
Earnings (loss) per share:					
Basic	\$(1.03)	\$0.25	\$(0.04)	\$1.71	
Diluted	,	\$0.25	. ,	\$1.70	
Shares used to compute earnings per share:	,		,		
Basic	33,110	32,954	33,056	32,945	
Diluted	33,110	32,954	33,056	32,952	
Dividends per share	\$0.11	\$0.11	\$0.33	\$0.33	
See accompanying notes to financial statements.					

Tredegar Corporation Consolidated Statements of Comprehensive Income (Loss) (In Thousands) (Unaudited)

	Three Months Ended September 30, 2018 2017
Net income (loss)	\$(34,200) \$8,274
Other comprehensive income (loss): Foreign currency translation adjustment (net of tax of \$0 in 2018 and tax of \$251 in 2017)	(2,666) 7,143
Derivative financial instruments adjustment (net of tax of \$336 in 2018 and tax of \$186 in	
2017)	(1,701) 326
Amortization of prior service costs and net gains or losses (net of tax of \$789 in 2018 and tax of \$1,057 in 2017)	2,703 1,854
Other comprehensive income (loss)	(1,664) 9,323
Comprehensive income (loss)	\$(35,864) \$17,597
	Nine Months Ended September 30, 2018 2017
Net income (loss)	\$(1,314) \$56,180
Other comprehensive income (loss):	
Unrealized foreign currency translation adjustment (net of tax of \$0 in 2018 and tax of \$481 in 2017)	(11,571) 9,817
Derivative financial instruments adjustment (net of tax benefit of \$316 in 2018 and tax of \$162 in 2017)	(2,891) 288
Amortization of prior service costs and net gains or losses (net of tax of \$2,312 in 2018 and tax of \$3,279 in 2017)	7,926 5,754
Other comprehensive income (loss)	(6,536) 15,859
Comprehensive income (loss)	\$(7,850) \$72,039
See accompanying notes to financial statements.	

Tredegar Corporation Consolidated Statements of Cash Flows (In Thousands) (Unaudited)

	Nine Mo 2018	onths Ended S	eptember 30,	2017		
Cash flows from operating	2010			2017		
activities:						
Net income (loss)	\$	(1,314)	\$	56,180	
Adjustments for noncash						
items:						
Depreciation	22,272			25,072		
Amortization of identifiable	3,076			4,550		
mangibles						
Goodwill impairment charge	46,792			_		
Deferred income taxes	1,152			(104)
Accrued pension and						,
post-retirement benefits	7,809			7,645		
(Gain)/loss on investment i	n					
kaléo accounted for under	(11,900)	(24,800)
the fair value method						
(Gain)/loss on asset						
impairments and	185			50		
divestitures						
Net (gain)/loss on disposal	(86)	412		
of assets Changes in assets and						
liabilities, net of effects of						
acquisitions and						
divestitures:						
Accounts and other	(12.020		,	(16.025		`
receivables	(13,020)	(16,925)
Inventories	(9,204)	(4,220)
Income taxes	25,912			(603)
recoverable/payable						,
Prepaid expenses and other	(1,655)	129		
Accounts payable and	29,452			8,674		
accrued expenses Pension and postretirement						
benefit plan contributions	(7,182)	(4,642)
Other, net	705			2,093		
Net cash provided by						
operating activities	92,994			53,511		
Cash flows from investing						
activities:						
Capital expenditures	(25,078)	(37,245)
Acquisition				(87,110)

Return of escrowed funds relating to acquisition earn-out	4,250			_		
Proceeds from the sale of assets and other	1,108			121		
Net cash used in investing activities	(19,720)	(124,23	34)
Cash flows from financing activities:						
Borrowings	34,750			173,250	C	
Debt principal payments	(95,750)	(91,250))
Dividends paid	(10,943)	(10,901	-)
Proceeds from exercise of stock options and other	1,004			695		
Net cash provided by (used in) financing activities	(70,939)	71,794		
Effect of exchange rate changes on cash	(2,050)	1,268		
Increase (decrease) in cash and cash equivalents	285			2,339		
Cash and cash equivalents at beginning of period	36,491			29,511		
Cash and cash equivalents at end of period	\$	36,776		\$	31,850	
See accompanying notes to	financial	statements.				

Tredegar Corporation Consolidated Statement of Shareholders' Equity (In Thousands, Except Share and Per Share Data) (Unaudited)

					ated Other ensive Incon			
	Common Stock	nRetained Earnings	Trust for Savings Restoration Plan	Foreign Currency Translation	onFinancial	D44:	Total nSharehold Equity	lers'
Balance at January 1, 2018	\$34,747	\$487,230	\$ (1,528	\$(86,178)		\$ (90,950)	\$ 343,780)
Net income		(1,314)	_	_	<u> </u>	_	(1,314)
Other comprehensive income (loss):		, ,					•	ĺ
Foreign currency translation				(11,571) —		(11,571)
adjustment (net of tax of \$0)				(11,571	,		(11,571	,
Derivative financial instruments					(2.004		(2.004	
adjustment (net of tax benefit of					(2,891)		(2,891)
\$316)								
Amortization of prior service cost						7.026	7.026	
and net gains or losses (net of tax of \$2,312)	_	_	_	_	_	7,926	7,926	
Cash dividends declared (\$0.33		(10.042)					(10.042	`
per share)		(10,943)				_	(10,943)
Stock-based compensation	2,780		_				2,780	
expense	2,700						2,700	
Issued upon exercise of stock	1,004		_				1,004	
options & other	•						1,00.	
Tredegar common stock purchase	d	2.4						
by trust for savings restoration plan		24	(24) —		_		
Balance at September 30, 2018	\$38 531	\$474,997	\$ (1.552	\$(97.749) \$ (2,432)	\$ (83,024	\$ 328,771	
See accompanying notes to finance	-		Ψ (1,332	, ψ(),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<i>)</i> Ψ (Δ,π <i>3</i> Δ)	ψ (05,02+)	Ψ 520,771	
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TREDEGAR CORPORATION NOTES TO THE CONSOLIDATED INTERIM FINANCIAL STATEMENTS (Unaudited)

In the opinion of management, the accompanying consolidated financial statements of Tredegar Corporation and its subsidiaries ("Tredegar," "the Company," "we," "us" or "our") contain all adjustments necessary to state fairly, in all materia respects, Tredegar's consolidated financial position as of September 30, 2018, the consolidated results of operations 1. for the three and nine months ended September 30, 2018 and 2017, the consolidated cash flows for the nine months ended September 30, 2018 and 2017, and the consolidated changes in shareholders' equity for the nine months ended September 30, 2018. All such adjustments, unless otherwise detailed in the notes to the consolidated interim financial statements, are deemed to be of a normal, recurring nature.

The Company operates on a calendar fiscal year except for the Aluminum Extrusions segment, which operates on a 52/53-week fiscal year basis. As such, the fiscal third quarter for 2018 and 2017 for this segment references 13-week periods ended September 23, 2018 and September 24, 2017, respectively. The Company does not believe the impact of reporting the results of this segment as stated above is material to the consolidated financial results. The financial position data as of December 31, 2017 that is included herein was derived from the audited consolidated financial statements provided in the Company's Annual Report on Form 10-K for the year ended December 31, 2017 ("2017 Form 10-K") but does not include all disclosures required by United States generally accepted accounting principles ("GAAP"). These financial statements should be read in conjunction with the consolidated financial statements and related notes included in the 2017 Form 10-K. The results of operations for the three and nine months ended September 30, 2018, are not necessarily indicative of the results to be expected for the full year. Certain prior year balances have been reclassified to conform with current year presentation (see Note 14 for additional detail). Revenue Recognition. Revenue from the sale of products, which is shown net of estimated sales returns and allowances, is recognized at a point in time when control has passed to the customer. Control passes to the customer generally when the customer takes physical possession or when title passes if defined separately in the sales agreement. Amounts billed to customers related to freight are classified as sales in the accompanying consolidated statements of income. The cost of freight is classified as a separate line in the accompanying consolidated statements of income. Taxes assessed by a governmental authority that are both imposed on and concurrent with a specific revenue-producing transaction between Tredegar and its customers (such as value-added taxes) are accounted for on a net basis and therefore excluded from revenues. See Note 11 for disaggregation of revenue by segment and type. As of September 30, 2018 and December 31, 2017, accounts receivable and other receivables, net, were \$125.4 million and \$120.1 million, respectively, made up of the following:

```
September December
 30,
             31,
(In 2018 thousands)
             2017
             $113,556
Other
accounts
anfd147
             9,883
notes
receivable
   Total
accounts
ank 1,132
             123,439
other
receivables
 (5,764)
          ) (3,304
                       )
```

Less:

Allowance

for

bad

debts

and

sales

returns

Total

accounts

and \$125,368 \$120,135

receivables,

net

For the three and nine months ended September 30, 2018, the Company had no material bad-debt expense and there were no material contract assets, contract liabilities or deferred contract costs recorded on the Consolidated Balance Sheet as of September 30, 2018. Payment terms start from the date of satisfaction of the performance obligation and vary from COD (cash on delivery) to 120 days. The Company's contracts generally include one performance obligation, which is satisfied at a point in time.

For the three months and nine months ended September 30, 2018, revenue recognized from performance obligations related to prior periods (for example, changes in transaction price), was not material.

Revenue expected to be recognized in any future period related to remaining performance obligations, excluding i) revenue pertaining to contracts that have an original expected duration of one year or less, ii) contracts where revenue

is recognized as invoiced and iii) variable consideration related to unsatisfied performance obligations, is not expected to materially impact the Company's financial results.

On February 15, 2017, Bonnell Aluminum acquired 100% of the stock of Futura Industries Corporation ("Futura") on a net debt-free basis for approximately \$92 million. The amount actually funded in cash at the transaction date was approximately \$87 million, which was net of preliminary closing adjustments for working capital and seller transaction-related obligations assumed and subsequently paid by Bonnell Aluminum. In addition, the Company was refunded \$5 million in the first quarter of 2018 since Futura did not meet certain performance requirements for the 2017 fiscal year ("Earnout Provision"). The acquisition, which was funded using Tredegar's existing revolving credit facility, was treated as an asset purchase for

The net purchase price for financial reporting purposes was set at approximately \$82.9 million, which includes adjustments for the fair value of the Earnout Provision of \$4.3 million and the net settlement of certain post-closing adjustments of \$0.1 million. Adjustments to the purchase price were made retrospectively as if the accounting had been completed on the acquisition date. Based upon management's valuation of the fair value of tangible and intangible assets acquired (net of cash acquired) and liabilities assumed, the allocation of the purchase price was as follows:

(In Thousands)

2.

Accounts receivable	\$6,680
Inventories	10,342
Prepaid expenses and other current assets	240
Property, plant & equipment	32,662
Identifiable intangible assets:	
Customer relationships	24,000
Trade names	6,700
Trade payables & accrued expenses	(8,135)
Total identifiable net assets	72,489
Adjusted Net Purchase Price	82,860
Goodwill	\$10,371

U.S. federal income tax purposes.

The goodwill and other intangible asset balances associated with this acquisition are deductible for U.S. federal income tax purposes on a straight-line basis over a period of approximately 15 years. For financial reporting purposes, customer relationships are being amortized over 12 years and trade names are being amortized over 13 years. Goodwill is not subject to amortization for financial reporting purposes.

Plant shutdowns, asset impairments, restructurings and other items are shown in the net sales and operating profit by 3. segment table in Note 11 and are also included in "Asset impairments and costs associated with exit and disposal activities, net of adjustments" in the consolidated statements of income, unless otherwise noted below.

Plant shutdowns, asset impairments, restructurings and other items in the third quarter of 2018 include: Pretax charges of \$1.7 million associated with the shutdown of PE Films' manufacturing facility in Shanghai, China, which consists of severance and other employee-related costs of \$1.3 million (\$0.2 million included in "Cost of goods sold" in the consolidated statements of income), and accelerated depreciation of \$0.4 million (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$0.4 million for professional fees associated with the Terphane Limitada worthless stock deduction and a market study for PE Films (included in "Selling, general and administrative expenses" in the consolidated statements of income);

Pretax charges of \$0.2 million for severance and other employee-related costs associated with restructurings in PE Films:

Pretax charges of \$0.2 million related to estimated excess costs associated with the ramp-up of new product offerings and additional expenses related to strategic capacity expansion projects by PE Films (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$0.2 million related to expected future environmental costs at the aluminum extrusions manufacturing facility in Carthage, Tennessee (included in "Cost of goods sold" in the consolidated statements of income); and

Pretax charges of \$0.1 million related to wind damage that occurred in the third quarter of 2018 at the aluminum extrusions manufacturing facility in Elkhart, Indiana (included in "Selling, general and administrative expenses" in the consolidated statements of income).

Plant shutdowns, asset impairments, restructurings and other items in the first nine months of 2018 include: Pretax charges of \$2.4 million associated with the shutdown of PE Films' manufacturing facility in Shanghai, China, which consists of severance and other employee-related costs of \$1.7 million, accelerated depreciation of \$0.5 million (included in "Cost of goods sold" in the consolidated statements of income) and other facility consolidation-related expenses of \$0.2 million;

Pretax charges of \$1.7 million related to estimated excess costs associated with the ramp-up of new product offerings and additional expenses related to strategic capacity expansion projects by PE Films (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$0.7 million for professional fees associated with the Terphane Limitada worthless stock deduction, the impairment of assets of Flexible Packaging Films, determining the effect of the new U.S. federal income tax law, and a market study for PE Films (included in "Selling, general and administrative expenses" in the consolidated statements of income);

Pretax charges of \$0.3 million for severance and other employee-related costs associated with restructurings in PE Films;

Pretax charges of \$0.2 million related to expected future environmental costs at the aluminum extrusions manufacturing facility in Carthage, Tennessee (included in "Cost of goods sold" in the consolidated statements of income); and

Pretax charges of \$0.1 million related to wind damage that occurred in the third quarter of 2018 at the aluminum extrusions manufacturing facility in Elkhart, Indiana (included in "Selling, general and administrative expenses" in the consolidated statements of income).

Plant shutdowns, asset impairments, restructurings and other items in the third quarter of 2017 include:

Pretax charges of \$0.7 million related to estimated excess costs associated with the ramp-up of new product offerings and additional expenses related to strategic capacity expansion projects by PE Films of \$0.6 million and by Bonnell of \$0.1 million (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$0.2 million associated with a business development project (included in "Selling, general and administrative expense" in the consolidated statements of income);

Pretax charges of \$0.2 million associated with the consolidation of domestic PE Films' manufacturing facilities (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$0.2 million associated with the settlement of customer claims and other costs related to the previously shutdown aluminum extrusions manufacturing facility in Kentland, Indiana; and

Pretax charges of \$0.1 million for severance and other employee-related costs associated with restructurings in PE Films.

Plant shutdowns, asset impairments, restructurings and other items in the first nine months of 2017 include:

Pretax income of \$11.9 million related to the settlement of an escrow arrangement established upon the acquisition of Terphane in 2011 (included in "Other income (expense), net" in the consolidated statements of income). In settling the escrow arrangement, the Company assumed the risk of the claims (and associated legal fees) against which the escrow previously secured the Company. While the ultimate amount of such claims is unknown, the Company believes that it is reasonably possible that it could be liable for some portion of these claims, and currently estimates the amount of

such future claims at approximately \$1.0 million;

Pretax charges of \$3.3 million related to the acquisition of Futura, i) associated with accounting adjustments of \$1.7 million made to the value of inventory sold by Aluminum Extrusions after its acquisition of Futura (included in "Cost of goods sold" in the consolidated statements of income), ii) acquisition costs of \$1.5 million and, iii) integration costs of \$0.1 million (included in "Selling, general and administrative expenses"

in the consolidated statements of income), offset by pretax income of \$0.7 million related to the fair valuation of an earnout provision (included in "Other income (expense), net" in the consolidated statements of income); Pretax charges of \$3.5 million related to estimated excess costs associated with the ramp-up of new product offerings and additional expenses related to strategic capacity expansion projects by PE Films of \$3.0 million and by Aluminum Extrusions of \$0.5 million (included in "Cost of goods sold" in the consolidated statements of income); Pretax income of \$0.5 million related to the explosion that occurred in the second quarter of 2016 at the aluminum extrusions manufacturing facility in Newnan, Georgia, which includes the expected recovery of excess production costs of \$0.6 million incurred in 2016 for which recovery from insurance carriers was not previously considered to be reasonably assured (included in "Cost of goods sold" in the consolidated statements of income), partially offset by legal and consulting fees of \$0.1 million (included in "Selling, general and administrative expenses" in the consolidated statements of income);

Pretax charges of \$0.8 million associated with the consolidation of domestic PE Films' manufacturing facilities, which consists of asset impairments of \$0.1 million, accelerated depreciation of \$0.2 million (included in "Cost of goods sold" in the consolidated statements of income) and other facility consolidation-related expenses of \$0.5 million (included in "Cost of goods sold" in the consolidated statements of income), offset by pretax income of \$0.1 million related to a reduction of severance and other employee-related accrued costs;

Pretax charges of \$0.4 million related to expected future environmental costs at the aluminum extrusions manufacturing facility in Carthage, Tennessee (included in "Cost of goods sold" in the consolidated statements of income);

Pretax charges of \$1.1 million associated with a business development project (included in "Selling, general and administrative expense" in the consolidated statements of income);

Pretax charges of \$0.4 million for severance and other employee-related costs associated with restructurings in PE Films (\$0.1 million) and Corporate (\$0.3 million) (included in "Corporate expenses, net" in the net sales and operating profit by segment table); and

Pretax charges of \$0.2 million associated with the settlement of customer claims and other costs related to the previously shutdown aluminum extrusions manufacturing facility in Kentland, Indiana.

Results on the Company's investment in kaleo, Inc. ("kaléo"), which is accounted for under the fair value method, in the third quarter of 2018 include an unrealized loss of \$2.1 million (\$1.6 million after taxes) and in the first nine months an unrealized gain of \$11.9 million (\$9.3 million after taxes), compared to an unrealized gain of \$24.8 million (\$18.2 million after taxes) in the first nine months of 2017 (included in "Other income (expense), net" in the consolidated statements of income). There was no change in the estimated fair value from June 30, 2017 to September 30, 2017, as appreciation in value from the discount rate for one quarter was offset by a change in the present value of projected cash flows versus prior projections. An unrealized loss on the Company's investment in the Harbinger Capital Partners Special Situations Fund, L.P. ("Harbinger Fund") of \$0.2 million and \$0.3 million was recognized in the third quarter and first nine months of 2018, respectively (included in "Other income (expense), net" in the consolidated statements of income) (none in 2017). See Note 7 for additional information on investments.

During the third quarter of 2018, the Company performed a goodwill impairment analysis related to the Personal Care component of PE Films. This review was undertaken as a result of the expected loss of business from a key customer and revised projections for PE Films. Based on an evaluation of projections under various business planning scenarios, the Company concluded that the value of the Personal Care component of PE Films was less than the carrying value of the underlying working capital and long-lived net assets. The assessment resulted in a full write-off of the goodwill of \$46.8 million associated with the acquisition of certain components of PE Films. See Note 15 for additional details.

The Company recorded an unrealized loss on its investment property in Alleghany and Bath Counties, Virginia (included in "Other income (expense), net" in the consolidated statements of income) of \$0.2 million in the third quarter of 2018.

In June 2018, the Company announced plans to close its facility in Shanghai, China, which primarily produces plastic films used as components for personal care products ("Shanghai transition"). Production is expected to cease at this plant during the fourth quarter of 2018. The Company expects to recognize costs associated with exit and disposal activities of \$7.1 million comprised of: (i) retention, severance and related costs (\$3.6 million), (ii) customer-related costs (\$1.1 million), and (iii) legal, asset disposal and other cash costs (\$2.4 million). In addition, the Company expects non-cash asset write-offs and accelerated depreciation of \$0.9 million. Net annual cash savings from consolidating operations of \$1.7 million is expected. Proceeds from expected property disposals are uncertain. The Company anticipates that these activities, including property disposals, will require 12-18 months to execute, and the costs are expected to be incurred during this period.

Total expenses associated with the Shanghai transition were \$1.7 million and \$2.4 million in the three months and nine months ended September 30, 2018, respectively, (\$1.0 million and \$1.5 million, respectively, included in "Asset impairments and costs associated with exit and disposal activities, net of adjustments" and \$0.7 million and \$0.9 million, respectively, included in "Cost of goods sold" in the consolidated statements of income). Cash expenditures were \$0.1 million and \$0.4 million in the three months and nine months ended September 30, 2018, respectively. A reconciliation of the beginning and ending balances of accrued expenses associated with exit and disposal activities and charges associated with asset impairments and reported as "Asset impairments and costs associated with exit and disposal activities, net of adjustments" in the consolidated statements of income for the nine months ended September 30, 2018 is as follows:

(In thousands)	Severance (a)		rments	Other (b)	Total
Balance at January 1, 2018	\$ 627	\$		\$ 476	\$1,103
Changes in 2018:					
Charges	1,871			20	1,891
Cash spent	(933)			(310)	(1,243)
Charges against assets		92		_	92
Reversed to income		(92)		(92)
Balance at September 30, 2018	\$ 1,565	\$		\$ 186	\$1,751

- (a) Severance cash spent includes severance payments associated with the consolidation of North American PE Films manufacturing facilities.
- (b) Other primarily includes other restructuring costs associated with Aluminum Extrusions.
- 4. The components of inventories are as follows:

September December

September	Decembe
30,	31,
(In 2018 thousands)	2017
Finished \$24,632 goods	\$ 20,281
Wk2;1046-pro	cek,958
Raw 36,607 materials	35,909
Stores,	
supplies 19,515 and	18,759
other	
T&t&2,800	\$ 86,907

Basic earnings (loss) per share is computed by dividing net income (loss) by the weighted average number of shares of common stock outstanding. Diluted earnings (loss) per share is computed by dividing net income (loss) by the weighted average common and potentially dilutive common equivalent shares outstanding, determined as follows:

	Three 1	Months	Nine M	Ionths
	Ended		Ended	
	Septen	nber 30,	Septem	iber 30,
(In thousands)	2018	2017	2018	2017
Weighted average shares outstanding used to compute basic (loss) earnings per share	33,110	32,954	33,056	32,945
Incremental dilutive shares attributable to stock options and restricted stock		_		7
Shares used to compute diluted earnings (loss) per share	33,110	32,954	33,056	32,952

Incremental shares attributable to stock options and restricted stock are computed under the treasury stock method using the average market price during the related period. The Company had a net loss for the three and nine months ended September 30, 2018, so there is no dilutive impact for such shares. If the Company had reported net income for the three and nine months ended September 30, 2018, average out-of-the-money options to purchase shares that were excluded from the calculation of incremental shares attributable to stock options and restricted stock were 178,676 and 236,138, respectively. For the three and nine months ended September 30, 2017, average out-of-the-money options to purchase shares that were excluded from the calculation of incremental shares attributable to stock options and restricted stock were 479,651 and 386,729, respectively.

The following table summarizes the after-tax changes in accumulated other comprehensive income (loss) for the nine months ended September 30, 2018:

(In thousands)	Foreign currency translation adjustment	Gain (loss) or derivative financial instruments	Pension and other post-retirement benefit adjustments	t Total
Beginning balance, January 1, 2018	\$(86,178)	\$ 459	\$ (90,950)	\$(176,669)
Other comprehensive income (loss) before reclassifications	(11,571)	(3,045)	_	(14,616)
Amounts reclassified from accumulated other comprehensive income (loss)	_	154	7,926	8,080
Net other comprehensive income (loss) - current period Ending balance, September 30, 2018	(11,571) \$(97,749)	` '	7,926 \$ (83,024)	(6,536) \$(183,205)

The following table summarizes the after-tax changes in accumulated other comprehensive income (loss) for the nine months ended September 30, 2017:

(In Thousands)	Foreign currency translation adjustment	Gain (loss) of derivative financial instruments	other post-retirement benefit	nt Total
Beginning balance, January 1, 2017	\$(93,970)		adjustments	\$(183,234)
Other comprehensive income (loss) before reclassifications	9,817		\$ (90,127)	10,634
Amounts reclassified from accumulated other comprehensive income (loss)		(529	5,754	5,225
Net other comprehensive income (loss) - current period	9,817	288	5,754	15,859
Ending balance, September 30, 2017	\$(84,153)	\$ 1,151	\$ (84,373)	\$(167,375)

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Pension and

Reclassifications of balances out of accumulated other comprehensive income (loss) into net income (loss) for the three months ended September 30, 2018 are summarized as follows:

(In Thousands)	Amount reclassified from other comprehensive income (loss)	Location of gain (loss) reclassified from accumulated other comprehensive income (loss) to net income (loss)
Gain (loss) on derivative financial instruments:		
Aluminum future contracts, before taxes	\$ 300	Cost of sales
Foreign currency forward contracts, before taxes	(807)	Selling, general & administrative
Foreign currency forward contracts, before taxes	15	Cost of sales
Total, before taxes	(492)	
Income tax expense (benefit)	23	Income taxes
Total, net of tax	\$ (515)	
Amortization of pension and other post-retirement benefits:		
Actuarial gain (loss) and prior service costs, before taxes	\$ (3,492)	(a)
Income tax expense (benefit)	(789)	Income taxes
Total, net of tax	\$ (2,703)	

This component of accumulated other comprehensive income (loss) is included in the computation of net periodic pension cost (see Note 9 for additional detail).

Reclassifications of balances out of accumulated other comprehensive income (loss) into net income for the nine months ended September 30, 2018 are summarized as follows:

1 /		
(In thousands)	Amount reclassified from other comprehensive income (loss)	Location of gain (loss) reclassified from accumulated other comprehensive income (loss) to net income (loss)
Gain (loss) on derivative financial instruments:		
Aluminum future contracts, before taxes	\$ 1,244	Cost of sales
Foreign currency forward contracts, before taxes	(1,226)	Selling, general & administrative
Foreign currency forward contracts, before taxes	46	Cost of sales
Total, before taxes	64	
Income tax expense (benefit)	218	Income taxes
Total, net of tax	\$ (154)	
Amortization of pension and other post-retirement benefits:		
Actuarial gain (loss) and prior service costs, before taxes	\$ (10,238)	(a)
Income tax expense (benefit)	(2,312)	Income taxes
Total, net of tax	\$ (7,926)	
This commonant of accumulated other common anciva inc	ama (lass) is inal	udad in the commutation of not name

This component of accumulated other comprehensive income (loss) is included in the computation of net periodic pension cost (see Note 9 for additional detail).

Reclassifications of balances out of accumulated other comprehensive income (loss) into net income for the three months ended September 30, 2017 are summarized as follows:

, , , , , , , , , , , , , , , , , , ,		т .: с :
	A 4	Location of gain
	Amount	(loss) reclassified
	reclassified from	from accumulated
(In Thousands)	other	other
	comprehensive	comprehensive
	income (loss)	income (loss) to net
	, ,	income (loss)
Gain (loss) on derivative financial instruments:		
Aluminum future contracts, before taxes	\$ 231	Cost of sales
Foreign currency forward contracts, before taxes	15	Cost of sales
Total, before taxes	246	
Income tax expense (benefit)	90	Income taxes
Total, net of tax	\$ 156	
Amortization of pension and other post-retirement benefits:		
Actuarial gain (loss) and prior service costs, before taxes	\$ (2,911)	(a)
Income tax expense (benefit)	(1,057)	Income taxes
Total, net of tax	\$ (1,854)	
TELL . C. 1 . 1 . 1	(1) ' ' 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

⁽a) This component of accumulated other comprehensive income (loss) is included in the computation of net periodic pension cost (see Note 9 for additional detail).

Reclassifications of balances out of accumulated other comprehensive income (loss) into net income for the nine months ended September 30, 2017 are summarized as follows:

		Location of gain
	Amount	(loss) reclassified
	reclassified from	from accumulated
(In thousands)	other	other
	comprehensive	comprehensive
	income (loss)	income (loss) to net
		income (loss)
Gain (loss) on derivative financial instruments:		
Aluminum future contracts, before taxes	\$ 785	Cost of sales
Foreign currency forward contracts, before taxes	46	Cost of sales
Total, before taxes	831	
Income tax expense (benefit)	302	Income taxes
Total, net of tax	\$ 529	
Amortization of pension and other post-retirement benefits:		
Actuarial gain (loss) and prior service costs, before taxes	\$ (9,033)	(a)
Income tax expense (benefit)	(3,279)	Income taxes
Total, net of tax	\$ (5,754)	
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⁽a) This component of accumulated other comprehensive income (loss) is included in the computation of net periodic pension cost (see Note 9 for additional detail).

^{7.} In August 2007 and December 2008, the Company made an aggregate investment of \$7.5 million in kaléo, a privately held specialty pharmaceutical company dedicated to building innovative solutions for serious and life-threatening medical conditions. Tredegar owns Series A-3 Preferred Stock and Series B Preferred Stock in kaléo that, taken together, represents on a fully-diluted basis an approximate 20% interest in kaléo. Tredegar accounts for its investment in kaléo under the fair value method. At the time of the initial investment, the Company elected the fair value option of accounting since its investment objectives were similar to those of venture

capitalists, which typically do not have controlling financial interests.

At September 30, 2018, the estimated fair value of the Company's investment was \$65.9 million, down from \$68.0 million as of June 30, 2018 but up from \$54.0 million as of December 31, 2017.

The change in the estimated fair value of the Company's holding in kaléo since the end of 2017 primarily relates to the difference from discounting between the present value of projected cash flows at September 30, 2018

versus December 31, 2017 (i.e., the time value of money), changes in cash flow projections for various scenarios and the assessment of the risk-adjusted discount rate appropriate for the various scenarios. Kaléo's stock is not publicly traded. The valuation estimate in this situation is based on projection assumptions or Level 3 inputs that have a wide range of possible outcomes.

There are numerous assumptions and Level 3 inputs that, if changed, impact the projection of kaléo's future cash flows, and the probability of actually achieving those cash flows. For example, there are various regulatory and legal enforcement efforts, including an ongoing Department of Justice investigation related to kaléo's Evzio business, which could have a material adverse effect on kaléo's business. Moreover, many of the assumptions and inputs are interrelated, including key assumptions for kaléo's projected market share, pricing and net margins after chargebacks, discounts, rebates, copays and returns. Accordingly, determining the sensitivity of changes in estimated fair value to the change in one assumption is not practical.

Ultimately, the true value of the Company's ownership interest in kaléo will be determined if and when a liquidity event occurs, and the ultimate value could be materially different from the \$65.9 million estimated fair value reflected in the Company's financial statements at September 30, 2018.

Unrealized gains (losses) associated with this investment are included in "Other income (expense), net" in the consolidated statements of income and separately stated in the segment operating profit table in Note 11. Subsequent to its most recent investment (December 15, 2008), and until the next round of financing, the Company believes fair value estimates are based upon Level 3 inputs since there is no secondary market for its ownership interest. Accordingly, until the next round of financing or any other significant financial transaction, value estimates will primarily be based on assumptions related to meeting cash flow projections and discounting of these factors for their high degree of risk. If kaléo does not meet its projected cash flows or related risks are unfavorable versus the most recent valuation, or a new round of financing or other significant financial transaction indicates a lower enterprise value, then the Company's estimate of the fair value of its ownership interest in kaléo is likely to decline. Adjustments to the estimated fair value of this investment will be made in the period upon which such changes can be quantified. The Company's investment in the Harbinger Fund had a carrying value (included in "Other assets and deferred charges") of \$1.4 million and \$1.7 million at September 30, 2018 and December 31, 2017, respectively. The carrying value at September 30, 2018 reflected Tredegar's cost basis in its investment in the Harbinger Fund, net of total withdrawal proceeds received and unrealized losses. Based on an observable price change, the Company recorded an unrealized loss of \$0.2 million and \$0.3 million in the third quarter and first nine months of 2018, respectively (none in 2017). No withdrawal proceeds were received in the first nine months of 2017 or 2018. The timing and amount of future installments of withdrawal proceeds, which commenced in August 2010, were not known as of September 30, 2018. The Company has determined that there is no readily determinable fair value for the Harbinger Fund and has elected to record its investment in the Harbinger Fund at cost, less impairment, adjusted for observable price changes. Gains on the Company's investment in the Harbinger Fund will be recognized when there are positive observable price changes, including when the amounts expected to be collected from any withdrawal from the investment are known, which will likely be when cash in excess of the remaining carrying value is received. Losses will be recognized when management believes through observable methods that it is probable that future withdrawal proceeds will not exceed the remaining carrying value.

Tredegar uses derivative financial instruments for the purpose of hedging margin exposure from fixed-price forward sales contracts in Aluminum Extrusions and exposure from currency volatility that exist as part of ongoing business operations (primarily in Flexible Packaging Films). These derivative financial instruments are designated as and 8 qualify as cash flow hedges and are recognized in the consolidated balance sheet at fair value. The fair value of derivative instruments recorded on the consolidated balance sheets are based upon Level 2 inputs. If individual derivative instruments with the same counterparty can be settled on a net basis, the Company records the corresponding derivative fair values as a net asset or net liability.

In the normal course of business, Aluminum Extrusions enters into fixed-price forward sales contracts with certain customers for the future sale of fixed quantities of aluminum extrusions at scheduled intervals. In order to hedge margin exposure created from the fixing of future sales prices relative to volatile raw material (aluminum) costs,

Aluminum Extrusions enters into a combination of forward purchase commitments and futures contracts to acquire or hedge aluminum, based on the scheduled purchases for the firm sales commitments. The fixed-price firm sales commitments and related hedging instruments generally have durations of not more than 12 months, and the notional amount of aluminum futures contracts that hedged future purchases of aluminum to meet fixed-price forward sales

contract obligations was \$18.2 million (16.4 million pounds of aluminum) at September 30, 2018 and \$8.2 million (8.0 million pounds of aluminum) at December 31, 2017.

The table below summarizes the location and gross amounts of aluminum futures contract fair values (Level 2) in the consolidated balance sheets as of September 30, 2018 and December 31, 2017:

(In thousands)	September 30, 201 Balance Sheet Account	8 Fair Value	December 31, 2017 Balance Sheet Account	Fair Value
Derivatives Designated as Hedging Instruments				
Asset derivatives: Aluminum futures contracts	Accrued Expenses	\$201	Prepaid expenses and other	\$578
Liability derivatives: Aluminum futures contracts	Accrued Expenses	(994)	Prepaid expenses and other	\$(16)
Net asset (liability)		\$(793)		\$562

In the event that a counterparty to an aluminum fixed-price forward sales contract chooses not to take delivery of its aluminum extrusions, the customer is contractually obligated to compensate Aluminum Extrusions for any losses on the related aluminum futures and/or forward contracts through the date of cancellation.

The table below summarizes the location and gross amounts of foreign currency forward contract fair values (Level 2) in the consolidated balance sheets as of September 30, 2018 and December 31, 2017:

_	September 30, 2013	3	December 31, 2017	7
(In Thousands)	Balance Sheet	Fair	Balance Sheet	Fair
(III Thousands) Account	Account	Value	Account	Value
Derivatives Designated as Hedging Instruments				
Asset derivatives:	Accrued Expenses	•	Accrued Expenses	\$
Foreign currency forward contracts	Accided Expenses	ψ—	Accided Expenses	ψ—
Liability derivatives:	Accrued Expanses	(2.687.)	Accrued Expenses	(558)
Foreign currency forward contracts	Accided Expenses	(2,007)	Accided Expenses	(336)
Net asset (liability)		\$(2,687)		\$(558)

The Company's earnings are exposed to foreign currency exchange risk primarily through the translation of the financial statements of subsidiaries that have a functional currency other than the U.S. Dollar. The Company estimates that the net mismatch translation exposure between Flexible Packaging Films business unit in Brazil, Terphane Ltda.'s ("Terphane Ltda.") U.S. Dollar quoted or priced sales and underlying Brazilian Real ("R\$") quoted or priced operating costs (excluding depreciation and amortization) is annual net costs of R\$125 million. Terphane Ltda. has the following outstanding foreign exchange average forward rate contracts to purchase Brazilian Real and sell U.S. Dollars:

USD Notional Estimated % of Terphane Ltda. R\$ Average Forward Rate R\$ Equivalent **Applicable** Contracted on USD/BRL Operating Cost Exposure Hedged Amount (000s) Amount (000s) Month 78% \$2,250 3.4801 R\$7,830 Oct-18 \$2,250 3.4887 R\$7,850 Nov-18 81% \$2,250 3.4969 R\$7,868 Dec-18 83% \$2,025 R\$7,380 Jan-19 3.6442 73% \$2,025 3.6527 R\$7,397 Feb-19 75% Mar-19 \$2,025 3.6593 R\$7,410 70% \$2,025 3.6690 R\$7,430 Apr-19 72%

\$2,025 R\$7,451 May-19 3.6795 73% \$2,025 3.6904 R\$7,473 Jun-19 72% \$1,800 3.8826 R\$6,989 Jul-19 65% 3.8950 R\$7,011 Aug-19 68% \$1,800 R\$7,033 Sep-19 \$1,800 3.9070 66% Oct-19 \$1,800 3.9203 R\$7,056 67% \$1,800 R\$7,080 Nov-19 67% 3.9331 \$1,800 3.9455 R\$7,102 Dec-19 73% \$29,700 3.7158 R\$110,358 72%

These foreign currency exchange contracts have been designated and qualify as cash flow hedges of Terphane Limitada's forecasted sales to customers quoted or priced in U.S. Dollars over that period. By changing the currency risk associated with these U.S. Dollar sales, the derivatives have the effect of offsetting operating costs quoted or priced in Brazilian Real and decreasing the net exposure to Brazilian Real in the consolidated statements of income. The net fair value of the open forward contracts was a negative \$2.3 million as of September 30, 2018. These derivative contracts involve elements of market risk that are not reflected on the consolidated balance sheet, including the risk of dealing with counterparties and their ability to meet the terms of the contracts. The counterparties

including the risk of dealing with counterparties and their ability to meet the terms of the contracts. The counterparties to any forward purchase commitments are major aluminum brokers and suppliers, and the counterparties to any aluminum futures contracts are major financial institutions. Fixed-price forward sales contracts are only made available to the best and most credit-worthy customers. The counterparties to the Company's foreign currency cash flow hedge contracts are major financial institutions.

The pretax effect on net income (loss) and other comprehensive income (loss) of derivative instruments classified as cash flow hedges and described in the previous paragraphs for the three and nine month periods ended September 30, 2018 and 2017 is summarized in the table below:

(In thousands)	Cash Flow Derivative Hedges Three Months Ended September 3			r 30,	
	Aluminum Futures Contracts		Foreign Curro Forwards	ency	
	2018	2017	20122018	2017	
Amount of pretax gain (loss) recognized in other comprehensive income (loss	s)\$(1,176)	\$757	\$—\$(1,353) Selling,	\$ —	
Location of gain (loss) reclassified from accumulated other comprehensive income (loss) into net income (effective portion)	Cost of sales	Cost of sales	Costgeneral sales& admin	Cost of sales	
Amount of pretax gain (loss) reclassified from accumulated other comprehensive income (loss) to net income effective portion)	\$300	\$231	\$15\$(807)	\$ 15	
	Nina Ma	nthe End	ded September 30,		
	INTITE IVIO	nuis Enu	ieu September	<i>3</i> 0,	
	Aluminum Futures Contracts	m	Foreign Curro Forwards		
	Aluminus Futures	m	Foreign Curre		
Amount of pre-tax gain (loss) recognized in other comprehensive income (loss)	Aluminus Futures Contracts 2018	m 2017	Foreign Curre Forwards	ency 2017	
Amount of pre-tax gain (loss) recognized in other comprehensive income (loss) Location of gain (loss) reclassified from accumulated other comprehensive income (loss) into net income (effective portion) Amount of pre-tax gain (loss) reclassified from accumulated other	Aluminus Futures Contracts 2018	m 2017 \$1,281	Foreign Curre Forwards 201&018	ency 2017	

As of September 30, 2018, the Company expects \$0.7 million of unrealized after-tax losses on derivative instruments reported in accumulated other comprehensive income (loss) to be reclassified to earnings within the next 12 months. For the three and nine month periods ended September 30, 2018 and 2017, net gains or losses realized, from previously unrealized net gains or losses on hedges that had been discontinued, were not material.

The Company sponsors a noncontributory defined benefit (pension) plan covering certain current and former U.S. employees. The plan for salaried and hourly employees is based on a formula using the participant's years of service and compensation or using the participant's years of service and a dollar amount. The plan was closed to new participants and pay for active plan participants for benefit calculations was frozen as of December 31, 2007. As of January 31, 2018, the plan no longer accrued benefits associated with crediting employees for service, thereby freezing all future benefits under the plan.

The components of net periodic benefit cost for the pension and other post-retirement benefit programs reflected in the consolidated statements of income are shown below:

	Pension Benefits		Other Post-Retireme Benefits		nent	
	Three Months Ended September 30,		Three Months En September 30,			led
(In thousands)	2018	2017	2018		2017	
Service cost	\$7	\$29	\$ 7		\$ 7	
Interest cost	2,818	3,103	65		73	
Expected return on plan assets	(3,736)	(3,743)				
Amortization of prior service costs, (gains) losses and net transition asset	3,565	2,996	(75)	(84)
Net periodic benefit cost	\$2,654	\$2,385	\$ (3)	\$ (4)
	Pension	Benefits	Other I Benefi		-Retiren	nent
	Pension Nine Mo Ended		Benefi Nine N	ts Aont	hs Ende	
	Nine Mo	onths	Benefi	ts Aont	hs Ende	
	Nine Mo Ended	onths	Benefi Nine M	ts Aont	hs Ende	
Service cost	Nine Mo Ended Septemb	onths oer 30,	Benefi Nine N Septen	ts Aont	hs Ende 30,	
Service cost Interest cost	Nine Mo Ended Septemb 2018	onths oer 30, 2017	Nine N Septen 2018	ts Aont	hs Ende 30, 2017	
	Nine Mo Ended Septemb 2018 \$17 8,582	onths oer 30, 2017 \$145	Nine M Septem 2018 \$ 27 203	ts Aont	hs Ende 30, 2017 \$ 25	
Interest cost	Nine Mo Ended Septemb 2018 \$17 8,582	onths oer 30, 2017 \$145 9,431	Nine M Septem 2018 \$ 27 203	ts Aont	hs Ende 30, 2017 \$ 25	

Pension and other post-retirement liabilities were \$89.8 million and \$99.5 million at September 30, 2018 and December 31, 2017, respectively (\$0.6 million included in "Accrued expenses" at September 30, 2018 and December 31, 2017, with the remainder included in "Pension and other postretirement benefit obligations, net" in the consolidated balance sheets). The Company's required contributions are expected to be \$8.4 million in 2018. Contributions to the pension plan during the first nine months of 2018 were \$7.0 million. Tredegar funds its other post-retirement benefits (life insurance and health benefits) on a claims-made basis; for 2018, the Company anticipates the amount will be consistent with amounts paid for the year ended December 31, 2017, or \$0.3 million.

10. Other income (expense), net consists of the following:

	Three Months	Nine Months
	Ended	Ended September
	September 30,	30,
(In thousands)	2018 2017	2018 2017
Gain (loss) on investment in kaléo accounted for under fair value method	\$(2,100) \$—	\$11,900 \$24,800
Gain associated with the settlement of an escrow agreement		— 11,856
Other	(457) 34	(368) 1,399
Total	\$(2,557) \$ 34	\$11,532 \$38,055
Can Note 7 for more details on the pain (loss) on the investment in helfs		

See Note 7 for more details on the gain (loss) on the investment in kaléo.

The Company's business segments are PE Films, Flexible Packaging Films and Aluminum Extrusions. Information by business segment is reported below. There are no accounting transactions between segments and no allocations to segments. Net sales (sales less freight) and operating profit from ongoing operations are the measures of sales and operating profit used by the chief operating decision maker for purposes of assessing performance.

The following table presents net sales and operating profit by segment for the three and nine months ended September 30, 2018 and 2017:

•	Three Mor September	nths Ended	Nine Months Ended September 30,		
(In thousands)	2018	2017	2018	2017	
Net Sales					
PE Films	\$76,470	\$89,723	\$252,177	\$265,773	
Flexible Packaging Films	33,725	26,628	90,466	79,925	
Aluminum Extrusions	147,661	122,149	420,455	344,956	
Total net sales	257,856	238,500	763,098	690,654	
Add back freight	9,438	8,621	26,667	24,840	
Sales as shown in the Consolidated Statements of Income	\$267,294	\$247,121	\$789,765	\$715,494	
Operating Profit (Loss)					
PE Films:					
Ongoing operations	\$4,145	\$11,251	\$26,857	\$30,965	
Plant shutdowns, asset impairments, restructurings and other	(2,355)	(919)	(4,542)	(3,890)	
Goodwill impairment charge	(46,792)) —	(46,792)		
Flexible Packaging Films:					
Ongoing operations	3,609	(1,074)	6,617	(3,392)	
Plant shutdowns, asset impairments, restructurings and other		_	_	11,856	
Aluminum Extrusions:					
Ongoing operations	11,730	12,601	35,086	34,201	
Plant shutdowns, asset impairments, restructurings and other	(297)	(377)	(396)	(3,147)	
Total	(29,960)	21,482	16,830	66,593	
Interest income	6	42	290	171	
Interest expense	1,318	1,757	4,539	4,579	
Gain (loss) on investment in kaléo accounted for under fair value	(2,100) —	11,900	24,800	
method	(2,100	, —	11,900	24,000	
Unrealized loss on investment property	(186) —	(186)		
Stock option-based compensation costs	415	111	806	153	
Corporate expenses, net	6,926	6,960	21,668	20,985	
Income (loss) before income taxes	(40,899)	12,696	1,821	65,847	
Income taxes (benefit)	(6,699	4,422	3,135	9,667	
Net income (loss)	\$(34,200)		\$(1,314)	•	
Tel C 11 : 4 11 4 : 1 4			21 2017	•	

The following table presents identifiable assets by segment at September 30, 2018 and December 31, 2017:

(In thousands)	September	December
(III tilousalius)	30, 2018	31, 2017
PE Films	\$231,106	\$289,514
Flexible Packaging Films	53,661	49,915
Aluminum Extrusions	277,810	268,127
Subtotal	562,577	607,556
General corporate	91,583	111,696
Cash and cash equivalents	36,776	36,491
Total	\$690,936	\$755,743

The following tables disaggregate the Company's revenue by geographic area and product group for the three and nine months ended September 30, 2018 and 2017:

Net Sales by Geographic Area (b) Three Months Nine Months Ended **Ended September** September 30, 30, $\underset{thousands)}{\overset{(In}{2018}}$ 2017 2018 2017^(c) United \$176,022 \$150,154 \$506,769 \$434,766 States **Exports** from the United States to: Asia,893 21,507 57,370 61,394 Cana451 11,253 40,988 35,855 Eur608 2,193 5,127 6,826 Latin 3,104 America 3,841 9,810 11,562 **Operations** outside the United States: B26zi191 22,030 73,402 64,682 The 11,428 Netherlands 15,691 34,750 41,378 25,324 17,660 Hungary 6,331 China6 3,061 6,342 9,176 In31966 3,216 2,439 7,355 Total \$257,856 \$238,500 \$763,098 \$690,654 Net Sales by Product Group Nine Months Three Months Ended Ended September 30, September 30, (In 2018 thousands) 2017 2018 2017^(c) PE Films: Personal ca**f**₹,356 63,574 174,985 187,661 materials Surface prb7eb93 24,368 71,926 72,805 films

1,921

1,781

5,266

5,307

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LED
lighting
products
&
other
films
Sv716tc4t240
          89,723 252,177 265,773
Flexible
Packa2fing 26,628 90,466 79,925
Films
Aluminum
Extrusions:
Nonresidential
building
&/5,870 63,187 213,500 177,534
construction
Consumer 14,991 14,105 47,300 durables
                            39,871
D9str48sution, 182
                   32,109
                            23,024
AllBo2005tiv9,682
                   33,992 29,947
Residential
building
&11,163
          10,327 32,976 29,855
construction
Machinery
&11,191 8,430
                   30,335 23,975
equipment
Electore 9,236
                   30,243 20,750
Subtrated 122,149 420,455 344,956
Total 257,856 238,500 763,098 690,654 (a)
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See a reconciliation of net sales to sales as shown in the Condensed Consolidated Statements of Income on the previous page.

The difference between total consolidated sales as reported in the consolidated statements of income and segment, geographic and product group net sales reported in this note is freight of \$9.4 million and \$26.7 million in the three months and nine months ended September 30, 2018 and \$8.6 million and \$24.8 million in the three months and nine months ended September 30, 2017, respectively.

Export sales relate primarily to PE Films. Operations outside the U.S. in The Netherlands, Hungary, China and India also relate to PE Films. Operations in Brazil are primarily related to Flexible Packaging Films, but also

- (b) include PE Films operations. Sales from locations in The Netherlands and Hungary are primarily to customers located in Europe. Sales from locations in China (Guangzhou and Shanghai) are primarily to customers located in China, but also include other customers in Asia.
- (c) As disclosed in Note 1, prior period amounts have not been adjusted under the modified retrospective method.

The Tax Cuts and Jobs Act (the "TCJA") makes broad and complex changes to the U.S. tax code, including but not limited to: (i) reducing the U.S. federal corporate tax rate from 35 percent to 21 percent; (ii) requiring companies to 12. pay a one-time transition tax on certain unrepatriated earnings of foreign subsidiaries; (iii) generally eliminating U.S. federal income taxes on dividends from foreign subsidiaries; (iv) creating new taxes on certain foreign earnings; (v) eliminating certain deductions; and (vi) providing the option to full expensing of qualified property. The SEC staff issued Staff Accounting Bulletin No. 118 ("SAB 118"), which provides guidance on accounting for the tax effects of the TCJA. SAB 118 provides a measurement period that should not extend beyond one year from the TCJA enactment date for companies to complete the accounting under Accounting Standards Codification No. 740 ("ASC 740"). In accordance with SAB 118, a company must reflect the income tax effects of a company's accounting for those tax effects of the TCJA for which the accounting under ASC 740 is complete. To the extent that a company's accounting for certain tax effects of the TCJA is incomplete but it is able to determine a reasonable estimate, it must record a provisional estimate in the financial statements. If a company cannot determine a reasonable estimate to be included in the financial statements, it should continue to apply ASC 740 on the basis of the provisions of the tax law that were in effect immediately before the enactment of the TCJA.

The TCJA is complex and its impact may materially differ from the Company's estimates due to, among other things, changes in the Company's assumptions, implementation guidance that may be issued from the IRS and related interpretations and clarifications of the tax law relevant for the completion of the Company's 2017 tax return filings. The Company expects to complete its assessment of these items during 2018, and any adjustments to the provisional amounts initially recorded will be included as an adjustment to income tax expense or benefit in the period the amounts are determined in accordance with SAB 118.

While item (ii) above has not been completed, the Company has not accrued any deemed repatriation taxes on unrepatriated earnings of its foreign subsidiaries, since its preliminary assessments indicates that such foreign subsidiaries have no net cumulative unremitted earnings due to historical repatriation. There has been no change to this estimate in the first nine months of 2018. The remaining TCJA summary items (i and iii through vi above) have been reflected in the Company's 2018 effective tax rate based on the Company's best estimates as indicated in the rate reconciliation table.

The application of the new Global Intangible Low Taxed Income ("GILTI") tax rules to the Company, which is part of item (iv) above is not complete. The rules are complex, and under GAAP, the Company is allowed to make a policy choice of either (a) treating taxes due on future U.S. inclusions in taxable income related to GILTI as current period expense when incurred (the "period cost method") or (b) factoring such amounts into a company's measurement of its deferred income taxes ("deferred method"). The selection of an accounting policy with respect to the new GILTI tax rules will depend, in part, on the Company's analysis of its global income to determine whether it expects to have future U.S. inclusions in taxable income related to GILTI and, if so, what the impact is expected to be. Accordingly, the Company has not made a policy decision regarding whether to record deferred income taxes on GILTI.

Tredegar recorded tax expense of \$3.1 million on pretax net income of \$1.8 million in the first nine months of 2018. Therefore, the effective tax rate in the first nine months of 2018 was 172.1%, compared to 14.7% in the first nine months of 2017. The quarterly effective tax rate is an estimate based on a proration of the components of the Company's estimated annual effective tax rate. The significant differences between the U.S. federal statutory rate and the effective income tax rate for the nine months ended September 30, 2018 and 2017 are as follows:

(In thousands, except percentages)	2018		2017	
Nine Months Ended September 30,	Amount	%	Amount	%
Income tax expense at federal statutory rate	\$383	21.0	\$23,047	35.0
Goodwill impairment charge	1,788	98.2	_	
Foreign rate differences	1,159	63.6	1,022	1.5
U.S. Tax on Foreign Branch Income	953	52.3	_	
Tax contingency accruals and tax settlements	480	26.4	(284	(0.4)
Valuation allowance for capital loss carry-forwards	245	13.4	(25) —
Non-deductible expenses	230	12.6	368	0.5
Valuation allowance due to foreign losses and impairments	185	10.1	272	0.4
Stock-based compensation	173	9.5	192	0.3
State taxes, net of federal income tax benefit	87	4.8	866	1.3
Unremitted earnings from foreign operations		_	117	0.2
Domestic production activities deduction		_	(610	(0.9)
Remitted earnings from foreign operations		_	(413	(0.6)
Increase in value of kaléo investment held abroad	_		(2,326	(3.5)
Settlement of Terphane acquisition escrow		_	(4,200	(6.4)
Worthless stock deduction	_		(8,057	(12.2)
Research and development tax credit	(318)	(17.4)	(458	(0.7)
Changes in estimates related to prior year tax provision	(414)	(22.7)	156	0.2
Foreign Derived Intangible Income (FDII)	(472)	(25.9)		_
Foreign tax incentives	(1,344)	(73.8)	_	
Effective income tax rate	\$3,135	172.1	\$9,667	14.7

Tredegar accrues U.S. federal income taxes on unremitted earnings of all foreign subsidiaries where required. However, due to changes in the taxation of dividends under TCJA, Tredegar will only record U.S. federal income taxes on unremitted earnings of its foreign subsidiaries where Tredegar cannot take steps to eliminate any potential tax on future distributions from its foreign subsidiaries.

The Brazilian federal statutory income tax rate is a composite of 34.0% (25.0% of income tax and 9.0% of social contribution on income). Terphane Ltda.'s manufacturing facility in Brazil is the beneficiary of certain income tax incentives that allow for a reduction in the statutory Brazilian federal income tax rate to 15.25% levied on the operating profit on certain of its products. The incentives have been granted for a 10-year period, which has a commencement date of January 1, 2015. The benefit from the tax incentives was \$1.3 million in the first nine months of 2018 (none in 2017).

Tredegar and its subsidiaries file income tax returns in the U.S., various states and jurisdictions outside the U.S. With exceptions for some U.S. states and non-U.S. jurisdictions, Tredegar and its subsidiaries are no longer subject to U.S. federal, state or non-U.S. income tax examinations by tax authorities for years before 2014.

The Company includes tax-related interest and penalties in income tax expense. During the first nine months of 2018, \$0.1 million of interest and penalties were accrued. As of September 30, 2018, \$0.2 million of interest and penalties are accrued as a tax liability.

In 2011, Tredegar was notified by U.S. Customs and Border Protection ("U.S. Customs") that certain film products exported by Terphane Ltda. to the U.S. since November 6, 2008 could be subject to duties associated with an anti-dumping duty order on imported PET films from Brazil. The Company contested the applicability of these anti-dumping duties to the films exported by Terphane Ltda., and it filed a request with the U.S. Department of Commerce ("Commerce") for clarification about whether the film products at issue are within the scope of the anti-dumping duty order. In December 2014, the U.S. International Trade Commission separately voted to revoke the anti-dumping duty order on imported PET films from Brazil. On February 20, 2015, certain U.S. producers of

- 13. PET films filed a summons with the U.S. Court of International Trade to appeal the determination by the U.S. International Trade Commission. After lengthy litigation, on June 19, 2018, the U.S. Court of International Trade ruled in favor of Terphane Ltda. by upholding the determination by Commerce that Terphane Ltda.'s films are outside the scope of the anti-dumping duty order. The plaintiffs chose not to appeal the U.S. Court of International Trade's opinion affirming Commerce's scope ruling. On September 4, 2018, the plaintiffs filed to dismiss their appeal of the December 2014 decision that revoked the anti-dumping duty order on PET films from Brazil. The U.S. Court of International Trade issued an Order of Dismissal on September 5, 2018. The litigation has now ended.
 - In May 2014, the Financial Accounting Standards Board ("FASB") and International Accounting Standards Board ("IASB") issued their converged standard on revenue recognition. The revised revenue standard contains principles that an entity will apply to direct the measurement of revenue and timing of when it is recognized. The core principle of the guidance is that the recognition of revenue should depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which an entity expects to be entitled in exchange for those goods and services. To achieve that core principle, an entity will utilize a principle-based five-step approach model. The converged standard also includes more robust disclosure requirements which will require entities to
- 14. provide sufficient information to enable users of financial statements to understand the nature, amount, timing and uncertainty of revenue and cash flows arising from contracts with customers. In March 2016, amended guidance was issued regarding clarifying the implementation guidance on principal versus agent considerations and in April 2016, clarifying guidance was issued relating to identifying performance obligations and licensing implementation. The Company adopted the new standard effective January 1, 2018, using the modified retrospective approach applied to all contracts as of the date of adoption. Comparative periods have not been adjusted and continue to be reported under the accounting standards in effect for those periods. The adoption of ASU 2014-09, as amended, had no material impact on the Company's consolidated financial position, results of operations, equity or cash flows upon adoption. The Company has included the disclosures required by ASU 2014-09.

In January 2016, the FASB issued amended guidance associated with accounting for equity investments measured at fair value. The amended guidance requires all equity investments to be measured at fair value with changes in the fair value recognized through net income (other than those accounted for under equity method of accounting or those that result in consolidation of the investee or those without a readily determinable fair value). The amended guidance also requires an entity to present separately in other comprehensive income the portion of the total change in the fair value of a liability resulting from a change in the instrument-specific credit risk when the entity has elected to measure the liability at fair value in accordance with the fair value option for financial instruments. In addition, the amendments in this update eliminate the requirement to disclose the fair value of financial instruments measured at amortized cost for entities that are not public business entities and the requirement to disclose the method(s) and significant assumptions used to estimate the fair value that is required to be disclosed for financial instruments measured at amortized cost on the balance sheet for public business entities. The Company adopted this amended guidance in the first quarter of 2018 and the adoption did not have a material impact on the Company's consolidated financial statements. In February 2016, the FASB issued a revised standard on lease accounting. Lessees will need to recognize virtually all of their leases with a term longer than 12 months on the balance sheet, by recording a right-of-use ("ROU") asset and lease liability. The revised standard requires additional analysis of the components of a transaction to determine if a right-of-use asset is embedded in the transaction that needs to be treated as a lease. Substantial additional disclosures are also required by the revised standard. The revised standard is effective for the Company for fiscal years beginning after December 31, 2018, including the interim periods within those fiscal years. A modified retrospective transition

approach which requires a cumulative-effect adjustment to the opening balance of retained earnings on the effective date is required for leases existing at, or entered into after, the effective date, with certain practical expedients available. The Company expects to use certain practical expedients that will allow it to elect to not reassess: i) whether expired or existing contracts contain leases under the new definition of a lease; ii) lease classification for expired or existing leases; and iii) whether previously capitalized initial direct costs would qualify for capitalization under Topic 842. The Company does not expect that this standard will have a material effect on its consolidated financial statements. The Company has a process in place to analyze the impact of the standard, and the related guidance issued, on all leases throughout the Company. This process includes reviewing all active leases with terms greater than 12 months, which

have been identified. The most significant impact of the new standard will be the recognition of new ROU assets and lease liabilities for real estate, office equipment and vehicle operating leases. Upon adoption, the Company will recognize operating lease liabilities with corresponding ROU assets calculated based on the present value of the remaining minimum rental payments for existing operating leases. The Company expects to complete its evaluations of the impacts of the accounting and disclosure requirements on its business processes, controls and systems by the end of 2018.

In October 2016, the FASB issued guidance that requires an entity to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs. The amendments are effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2017, and should be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings at the beginning of the period of adoption. The Company adopted this guidance in the first quarter of 2018 and the adoption did not have a material impact on the Company's consolidated financial statements.

In January 2017, the FASB issued amended guidance that eliminates the requirement to determine the fair value of individual assets and liabilities of a reporting unit to measure goodwill impairment. Under the amendments in the new guidance, goodwill impairment testing will be performed by comparing the fair value of the reporting unit with its carrying amount and recognizing an impairment charge for the amount by which the carrying amount exceeds the reporting unit's fair value. The new standard is effective for annual and interim goodwill impairment tests in fiscal years beginning after December 15, 2019, and should be applied on a prospective basis. Early adoption is permitted for annual or interim goodwill impairment testing performed after January 1, 2017. The Company elected to early adopt for goodwill impairment testing starting in the third quarter of 2018.

In March 2017, the FASB issued final guidance on the presentation of net periodic pension and postretirement benefit cost (net benefit cost). Previously, net benefit cost was reported as an employee cost within operating income. This new guidance requires the bifurcation of net periodic pension and postretirement benefit costs. Service cost will be part of operating income (and is the only piece eligible to be capitalized). All other components will be shown outside of operations. The new standard is effective for annual and interim periods in fiscal years beginning after December 15, 2017, and should be applied on a retrospective basis, except for the amendments related to capitalization of benefit cost, which should be applied on a prospective basis. The Company adopted this amended guidance in the first quarter of 2018 by separately presenting "Pension and postretirement benefits" expense in its consolidated statements of income.

In August 2017, the FASB issued amended guidance on the accounting for hedging activities. The amended guidance makes more hedging strategies qualify for hedge accounting. After initial qualification, the amended guidance permits a qualitative effectiveness assessment for certain hedges instead of a quantitative test, if the company can reasonably support an expectation of effectiveness throughout the term of the hedge. The amended guidance is effective for annual and interim periods beginning after January 1, 2019, but may be adopted immediately. The adoption should be on a cumulative effect basis and applied prospectively. The Company is currently evaluating the amended guidance but does not expect there to be an impact of adopting this guidance on the Company's consolidated financial statements.

The Company assesses goodwill for impairment on an annual basis at a minimum (December 1st of each year) or when events or circumstances indicate that the carrying value may not be recoverable. Goodwill is assessed for impairment at the reporting unit level. Tredegar's reporting units with goodwill are the Personal Care and Surface Protection operating divisions of PE Films and the AACOA and Futura operating divisions of Aluminum Extrusions. The Company estimates the fair value of its reporting units using discounted cash flow analysis and comparative enterprise value-to-EBITDA multiples.

The operations of PE Films have been adversely impacted by a customer transition to alternative suppliers and materials, resulting in the expected loss of business of approximately \$70 million annually when the transitions are implemented, which may occur by the end of 2019. Based on an evaluation of projections under various business planning scenarios, the Company concluded that the value of the Personal Care component of PE Films was less than

the carrying value of underlying working capital and long-lived net assets. Accordingly, a goodwill impairment charge of \$46.8 million (\$38.2 million after taxes) was recognized in PE Films in the third quarter of 2018. This impairment charge represents the entire amount of goodwill associated with the Personal Care component. The goodwill of Surface Protection, AACOA and Futura will be tested for impairment at the annual testing date unless there is an indicator of impairment identified at an earlier date.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

Forward-looking and Cautionary Statements

Some of the information contained in this Quarterly Report on Form 10-Q ("Form 10-Q") may constitute "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. When using the words "believe," "estimate," "anticipate," "expect," "project," "plan," "likely," "may" an expressions, Tredegar does so to identify forward-looking statements. Such statements are based on then current expectations and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those addressed in the forward-looking statements. It is possible that actual results and financial condition may differ, possibly materially, from the anticipated results and financial condition indicated in or implied by these forward-looking statements. Accordingly, you should not place undue reliance on these forward-looking statements.

Factors that could cause actual results to differ from expectations include, without limitation, the following:

4oss or gain of sales to significant customers on which our business is highly dependent;

ability to achieve sales to new customers to replace lost business;

ability to develop, efficiently manufacture and deliver new products at competitive prices;

failure of our customers to achieve success or maintain market share;

failure to protect our intellectual property rights;

•risks of doing business in countries outside the U.S. that affect our substantial international operations;

political, economic, and regulatory factors concerning our products;

uncertain economic conditions in countries in which we do business;

competition from other manufacturers, including manufacturers in lower-cost countries and manufacturers benefiting from government subsidies;

impact of fluctuations in foreign exchange rates;

a change in the amount of our underfunded defined benefit (pension) plan liability;

an increase in the operating costs incurred by our operating companies, including, for example, the cost of raw materials and energy;

inability to successfully identify, complete or integrate strategic acquisitions; failure to realize the expected benefits of such acquisitions; and assumption of unanticipated risks in such acquisitions;

disruption to our manufacturing facilities;

• occurrence or threat of extraordinary events, including natural disasters and terrorist attacks;

an information technology system failure or breach;

volatility and uncertainty of the valuation of our cost-basis investment in kaléo;

the impact of the imposition of tariffs and sanctions on imported aluminum ingot used in our aluminum extrusions;

the impact of new tariffs or duties imposed as a result of rising trade tensions between the U.S. and other countries;

failure to establish and maintain effective internal control over financial reporting;

and the other factors discussed in the reports Tredegar files with or furnishes to the Securities and Exchange Commission (the "SEC") from time to time, including the risks and important factors set forth in additional detail in Part I, Item 1A of Tredegar's 2017 Annual Report on Form 10-K (the "2017 Form 10-K") and Part II, Item 5 of this Form 10-Q. Readers are urged to review and consider carefully the disclosures Tredegar makes in its filings with the SEC, including the 2017 Form 10-K.

Tredegar does not undertake, and expressly disclaims any duty, to update any forward-looking statement to reflect any change in management's expectations or any change in conditions, assumptions or circumstances on which such statements are based, except as required by applicable law.

References herein to "Tredegar," "the Company," "we," "us" and "our" are to Tredegar Corporation and its subsidiaries, collectively, unless the context otherwise indicates or requires.

Executive Summary

Tredegar is a manufacturer of polyethylene plastic films through its PE Films segment, polyester films through its Flexible Packaging Films segment and aluminum extrusions through its Aluminum Extrusions segment. PE Films is composed of personal care materials, surface protection films, polyethylene overwrap films and films for other markets. Flexible Packaging Films produces polyester-based films for use in packaging applications that have specialized properties, such as heat resistance, strength, barrier protection and the ability to accept high-quality print graphics. Aluminum Extrusions produces high-quality, soft-alloy and medium-strength aluminum extrusions primarily for building and construction, automotive, consumer durables, machinery and equipment, electrical and distribution markets.

Third-quarter 2018 net loss was \$34.2 million (\$1.03 per share) compared with net income of \$8.3 million (\$0.25 per share) in the third quarter of 2017. Net loss for the third quarter of 2018 included the following:

An impairment of the total goodwill balance of PE Films' Personal Care division was recorded in the after-tax amount of \$38.2 million (\$1.15 per share after-tax). See the Customer Product Transitions in Personal Care and Surface Protection section below and Note 15 for more details; and

An unrealized after-tax loss on the Company's investment in Kaleo, Inc. ("kaléo") of \$1.6 million (\$0.05 per share), which is accounted for under the fair value method (see Note 7 for more details).

Other losses related to plant shutdowns, asset impairments, restructurings and other items are described in Note 3. Net sales (sales less freight) and operating profit from ongoing operations are the measures of sales and operating profit used by the chief operating decision maker of each segment for purposes of assessing performance. See the table in Note 11 for a presentation of Tredegar's net sales and operating profit by segment for the three and nine months ended September 30, 2018 and 2017.

PE Films

A summary of operating results from ongoing operations for PE Films, excluding the goodwill impairment discussed in the Customer Product Transitions in Personal Care and Surface Protection section below, is provided below:

	Three M Ended	Favorable/			ths Ended	Favorable/		
(In thousands, Except Percentages)	September 30,		(Unfavorable) % Change		Seniember 30		(Unfavorable) % Change	
	2018	2017	70 Chan	gc	2018	2017	70 Change	
Sales volume (lbs)	29,597	34,701	(14.7)%	94,519	103,923	(9.0)%
Net sales	\$76,470	\$89,723	(14.8)%	\$252,177	\$265,773	(5.1)%
Operating profit from ongoing operations	\$4,145	\$11,251	(63.2)%	\$26,857	\$30,965	(13.3))%

Third-Quarter 2018 Results vs. Third-Quarter 2017 Results

Net sales (sales less freight) in the third quarter of 2018 decreased by \$13.3 million versus 2017 primarily due to lower volume in Personal Care and Surface Protection. The volume decline in Personal Care was primarily related to lower demand for topsheet. Volume for elastics and acquisition distribution layer materials increased year-over-year.

Net sales in Surface Protection declined in the third quarter of 2018 versus 2017 (which had particularly strong sales) primarily due to lower volume that the Company believes was due to customer inventory corrections and the previously disclosed customer product transitions to alternative processes or materials, as further discussed in the Customer Product Transitions in Personal Care and Surface Protection section.

Operating profit from ongoing operations in the third quarter of 2018 decreased by \$7.1 million versus the third quarter of 2017 primarily due to:

Lower contribution to profits from surface protection films, primarily due to lower net sales as noted above (\$1.9 million, of which \$0.3 million, the Company estimates, is related to customer product transitions), a sales return reserve for a quality claim (\$2.4 million) and related higher production costs (\$0.9 million), higher freight costs (\$0.5 million) and higher research and development spending (\$0.6 million);

Lower contribution to profits from personal care films, primarily due to lower volume as noted above, net of a favorable product mix (\$2.2 million), partially offset by improved pricing on certain products (\$0.7 million), and net favorable impact from the change in U.S. Dollar value of currencies for operations outside of the U.S. (\$0.1 million); and

Realized cost savings associated with the North American consolidation of our PE Films manufacturing facilities completed in 2017 (\$0.5 million).

In June 2018, the Company announced plans to close its facility in Shanghai, China, which primarily produces topsheet films used as components for personal care products. Production is expected to cease at this plant during the fourth quarter of 2018, and net annual cash savings from consolidating operations is projected at \$1.7 million. Additional information on costs associated with exit and disposal activities (currently estimated at \$7.1 million) and other details are available in Note 3 in the Notes to Financial Statements.

Customer Product Transitions in Personal Care and Surface Protection

During October 2018, the Personal Care component of PE Films completed negotiations with its customer regarding a previously disclosed significant product transition. The total annual sales that will be adversely impacted by this product transition is approximately \$70 million. During 2019, the Company expects sales for the product of \$30 to \$35 million with the potential for no sales thereafter. Any actions that the Company takes to reduce fixed costs to partially mitigate the decline in variable contribution that will accompany the decline in sales will depend on the level of success that Personal Care has with replacing the lost business with new products. The adverse operating profit impact of the estimated \$35 to \$40 million decline in sales in 2019 is not clear, although the Company believes that it will be in excess of \$10 million.

Personal Care has increased its R&D spending, reaching an amount in 2017 approximately \$5 million higher than in 2014. R&D spending in 2018 is expected to be at approximately the same level as 2017. Personal Care is also investing capital and is accelerating sales and marketing efforts to capture growth and diversify its customer base and product offerings in personal care products.

Because of the significance of the customer transition discussed above, the Company performed a goodwill impairment analysis of the Personal Care component of PE Films using projections under various business planning scenarios. The impairment analysis concluded that the value of Personal Care was less than the carrying value of underlying working capital and long-lived net assets. Accordingly, the goodwill associated with Personal Care of \$47 million (\$38.2 million after deferred income tax benefits) was written off during the third quarter of 2018.

The Surface Protection component of PE Films supports manufacturers of optical and other specialty substrates used in flat panel display products. These films are primarily used by customers to protect components of displays in the manufacturing and transportation process and then discarded.

The Company previously reported the risk that a portion of its film used in surface protection applications will be made obsolete by possible future customer product transitions to less costly alternative processes or materials. The Company anticipates that the customer product transitions will be fully implemented by the fourth quarter of 2019. The Company estimates that the adverse operating profit impact of surface protection transitions in the third quarter of 2018 was \$0.3 million. When fully implemented, the Company estimates that the annualized adverse impact on future operating profit from this customer shift will be approximately \$11 million. The Company is aggressively pursuing new surface protection products, applications and customers.

Year-To-Date 2018 Results vs. Year-To-Date 2017 Results

Net sales in the first nine months of 2018 decreased by \$13.6 million versus 2017 primarily due to lower topsheet volume in Personal Care and lower volume in Surface Protection in the third quarter.

Operating profit from ongoing operations in the first nine months of 2018 decreased by \$4.1 million versus the first nine months of 2017 primarily due to:

Lower contribution to profits from surface protection films, primarily due to reserves for sales returns for quality claims (\$3.6 million) and related higher production costs (\$0.8 million), an inventory write-down and higher fixed

costs (\$0.8 million), higher research and development spending (\$0.5 million), and higher freight costs (\$0.5 million), partially offset by improved mix (\$2.2 million);

Lower contribution to profits from personal care films, primarily due to lower volume in topsheet and other products (\$5.6 million), partially offset by improved pricing on certain products (\$2.0 million), net favorable impact from the change in U.S. Dollar value of currencies for operations outside of the U.S. (\$1.0 million) and lower fixed and sales, general and administrative costs (\$0.3 million); and

Realized cost savings associated with the previously announced project to consolidate domestic manufacturing facilities in PE Films (\$2.3 million).

Capital Expenditures, Depreciation & Amortization

Capital expenditures in PE Films were \$13.5 million in the first nine months of 2018 compared to \$12.9 million in the first nine months of 2017. Capital expenditures are projected to be \$26 million in 2018, including: \$15 million of a total \$25 million expected for North American capacity expansion for elastics products in Personal Care; new capacity for next generation products in Surface Protection (\$3 million); and approximately \$8 million for routine capital expenditures required to support operations. Depreciation expense was \$11.7 million in the first nine months of 2018 and \$10.7 million in the first nine months of 2017. Depreciation expense is projected to be \$16 million in 2018. Flexible Packaging Films

A summary of operating results from ongoing operations for Flexible Packaging Films, which is also referred to as Terphane, is provided below:

	Three M Ended	ree Months ded Favo		Ended		Favorable/		
(In thousands, Except Percentages)	Septemb 2018	er 30, 2017	(Unfavor		Septemb 2018	er 30, 2017	(Unfavor	,
Sales volume (lbs)	27,258	21,640	26.0	%		65,668	13.1	%
Net sales	\$33,725	\$26,628	26.7	%	\$90,466	\$79,925	13.2	%
Operating profit (loss) from ongoing operations	\$3,609	\$(1,074)	NA		\$6,617	\$(3,392)	NA	
Third-Quarter 2018 Results vs. Third-Quarter 20	17 Resul	ts						

Net sales increased in the third quarter of 2018 compared with the third quarter of 2017 due to higher shipments resulting from improved demand and increased selling prices associated with the pass-through of higher resin costs. The higher sales volume was associated with increased production capacity for Terphane's Brazilian operations resulting from the re-start of a previously idled production line in mid-June 2018.

Terphane's operating results from ongoing operations in the third quarter of 2018 increased by \$4.7 million versus the third quarter of 2017 primarily due to:

Significantly lower depreciation and amortization of \$2.2 million resulting from the \$101 million non-cash asset impairment loss recognized in the fourth quarter of 2017;

A benefit of \$3.3 million from higher volume, partially offset by an unfavorable mix and higher resin costs (\$2.0 million);

Favorable foreign currency translation of Real-denominated operating costs (\$1.7 million), which was offset by a \$0.8 million loss on foreign currency forward contracts that partially hedged Real-denominated operating costs; and Benefit from lower net foreign currency transaction losses of \$0.2 million (losses of \$0.1 million in 2018 versus losses of \$0.3 million in 2017).

Terphane's quarterly financial results have been volatile, and the Company expects continued uncertainty and volatility until industry capacity utilization and the competitive dynamics in Latin America improve.

Year-To-Date 2018 Results vs. Year-To-Date 2017 Results

Net sales and volume increased in the first nine months of 2018 compared with the first nine months of 2017 due to higher demand and increased production capacity resulting from the re-start of a previously idled production line in the second quarter of 2018.

Terphane's operating results from ongoing operations in the first nine months of 2018 increased by \$10.0 million versus the first nine months of 2017 primarily due to:

Significantly lower depreciation and amortization of \$6.7 million resulting from the \$101 million non-cash asset impairment loss recognized in the fourth quarter of 2017;

A benefit from higher volume and pricing (\$4.6 million) and tax incentives and an insurance recovery (\$1.1 million), partially offset by higher resin costs (\$4.0 million); and

A benefit of \$2.8 million primarily from favorable foreign currency translation of Real-denominated operating costs, which was offset by a \$1.2 million loss on foreign currency forward contracts that partially hedged Real-denominated operating costs.

Capital Expenditures, Depreciation & Amortization

Capital expenditures in Terphane were \$2.3 million in the first nine months of 2018 compared to \$2.3 million in the first nine months of 2017. Terphane currently estimates that total capital expenditures in 2018 will be \$5 million, including approximately \$1 million to re-start the idled production line referenced above and \$4 million for routine capital expenditures required to support operations. Depreciation expense was \$0.6 million in the first nine months of 2018 and \$5.5 million in the first nine months of 2017. Depreciation expense is projected to be \$1.0 million in 2018. Amortization expense was \$0.3 million in the first nine months of 2018 and \$2.2 million in the first nine months of 2017, and is projected to be \$0.5 million in 2018. Aggregate depreciation and amortization expense is projected at \$1.5 million in 2018, down significantly from \$10.5 million in 2017 due to the write-down of Terphane's long-lived assets during the fourth quarter of 2017.

Aluminum Extrusions

A summary of operating results from ongoing operations for Aluminum Extrusions is provided below:

	Three Months Ended		Favorable/			ths Ended	Favorable/	
(In thousands, Except Percentages)	September 30,		(Unfavorable)		September 30		(Unfavorable)	
	2018	2017	% Change		2018	2017	% Change	
Sales volume (lbs) *	56,632	52,008	8.9	%	139,096	132,598	4.9	%
Net sales	\$147,661	\$122,149	20.9	%	\$420,455	\$344,956	21.9	%
Operating profit from ongoing operations	\$11,730	\$12,601	(6.9)%	\$35,086	\$34,201	2.6	%

^{*} Sales volume for the nine months ended September 30, 2018 and 2017 excludes sales volume associated with Futura Industries Corporation ("Futura"), acquired on February 15, 2017.

Third-Quarter 2018 Results vs. Third-Quarter 2017 Results

Net sales in the third quarter of 2018 increased versus 2017 primarily due to an increase in average selling prices from the pass-through to customers of higher market-driven raw material costs and higher sales volume.

Sales volume in the third quarter of 2018 increased by 8.9% versus 2017 due to higher volume in all of Bonnell's primary markets. Higher average net selling prices, primarily attributed to an increase in aluminum market prices, had a favorable impact on net sales of \$14.7 million, and higher volume improved net sales by \$10.9 million. Bonnell Aluminum's average capacity utilization was in excess of 90% due to the increased demand. Bookings and backlog remain strong.

Operating profit from ongoing operations in the third quarter of 2018 decreased by \$0.9 million in comparison to the third quarter of 2017, as higher sales volume (\$0.9 million), favorable mix (\$1.3 million) and lower healthcare costs (\$0.8 million) were more than offset by additional operating costs, including employee-related expenses (\$1.1 million), higher supplies and dies (\$1.6 million), and higher freight (\$0.6 million). These higher operating costs were also partially the result of continued inefficiencies at Bonnell's Niles, Michigan facility.

On March 8, 2018, the U.S. imposed tariffs of 10% on aluminum ingot and semi-finished aluminum imported into the U.S. from certain countries, including countries from which Bonnell Aluminum has historically sourced aluminum supplies. On April 6, 2018, the U.S. announced sanctions on certain Russian individuals and on companies controlled by those individuals, including United Company RUSAL Plc, Russia's largest aluminum producer and a substantial supplier of primary aluminum to the U.S. market. Collectively, these events have resulted in a significant increase in the cost of aluminum ingot used by Bonnell Aluminum to make its products. The average U.S. Midwest Transaction price, the benchmark price for P1020 high-grade aluminum ingot delivered, averaged \$1.14 per pound in the third quarter of 2018, up \$0.15 from \$0.99 per pound in the third quarter of 2017. This price peaked at \$1.35 per pound on certain days in the second quarter of 2018. In 2017, aluminum raw materials comprised 43% of Bonnell Aluminum's average selling price when the U.S. Midwest Transaction price averaged \$0.98 per pound. For the vast majority of its business, Bonnell Aluminum expects to be able to pass through higher aluminum costs to customers. However, sustained higher costs for aluminum extrusions could result in reduced demand and product substitutions in place of aluminum extrusions, which could materially and negatively affect Bonnell Aluminum's business and results of operations. In addition, continued sanctions on RUSAL Plc could result in aluminum billet supply shortages in the U.S. aluminum extrusion market, although Bonnell does not currently anticipate any impact of such potential shortages on its access to aluminum.

Year-To-Date 2018 Results vs. Year-To-Date 2017 Results

Net sales in the first nine months of 2018 increased versus 2017 primarily due to the addition of Futura and higher volume. Futura contributed \$74.5 million of net sales in the first nine months of 2018 versus \$49.8 million for the $7\frac{1}{2}$ months owned during the first nine months of 2017 (acquired on February 15, 2017). Excluding the impact of Futura, the increase in net sales was the result of higher sales volume (\$14.5 million) and an increase in average selling prices primarily due to the pass-through to customers of higher market-driven raw material costs and improved mix (\$36.3 million).

Volume on an organic basis (which excludes the impact of the Futura acquisition) in the first nine months of 2018 increased by 4.9% versus 2017 due to higher volume in all of Bonnell's primary markets.

Operating profit from ongoing operations in the first nine months of 2018 increased by \$1.0 million in comparison to the first nine months of 2017. Excluding the favorable profit impact of Futura (\$1.5 million), operating profit from ongoing operations decreased \$0.5 million, primarily due to:

Increased operating costs, including freight, employee-related expenses, maintenance and supplies and higher depreciation (\$10.0 million), partially offset by higher volume (\$2.0 million), favorable mix (\$7.3 million) and lower healthcare costs (\$0.3 million); and

The Company estimates that operating profit from ongoing operations for the nine months ended September 30, 2018, would have been higher by \$2.5 million, if not for the continued inefficiencies associated with the new extrusion line at the Niles, Michigan plant.

Capital Expenditures, Depreciation & Amortization

Capital expenditures in Aluminum Extrusions were \$8.9 million in the first nine months of 2018 (including \$2.4 million associated with Futura), compared to \$21.9 million in the first nine months of 2017. Capital expenditures in 2017 included the extrusions capacity expansion project at the facility in Niles, Michigan. Capital expenditures are projected to be \$15 million in 2018, including approximately \$7 million for infrastructure upgrades and expanded fabrication and machining capabilities, and approximately \$8 million for routine items required to support operations. Depreciation expense was \$9.9 million in the first nine months of 2018 compared to \$8.7 million in the first nine months of 2017, and is projected to be \$13 million in 2018. Amortization expense was \$2.7 million in the first nine months of 2018 and \$2.2 million in the first nine months of 2017, and is projected to be \$4 million in 2018. Corporate Expenses, Interest and Taxes

Pension expense was \$7.8 million in the first nine months of 2018, versus \$7.6 million in the first nine months of 2017. The impact on earnings from pension expense is reflected in "Corporate expenses, net" in the net sales and operating profit by segment table in Note 11. Pension expense is projected to be approximately \$10.4 million in 2018. Corporate expenses, net, increased in the first nine months of 2018 versus 2017 primarily due to higher stock-based employee benefit costs and professional fees for services rendered early in the first quarter of 2018 associated with the

Terphane non-cash asset impairment loss that was recognized in the fourth quarter of 2017. Interest expense was \$4.5 million in the first nine months of 2018 in comparison to \$4.6 million in the first nine months of 2017, primarily due to higher interest rates offset by lower average debt levels.

The effective tax rate used to compute income taxes in the first nine months of 2018 was 172.1% compared to 14.7% in the first nine months of 2017. The significant differences between the U.S. federal statutory rate and the effective tax rate for the first nine months, including the reduction of the U.S. federal corporate income tax rate pursuant to the U.S. Tax Cuts and Jobs Act enacted in December 2017 from 35% to 21% beginning in 2018, is shown in the table provided in Note 12.

Net capitalization and other credit measures are provided in Liquidity and Capital Resources. Critical Accounting Policies

In the ordinary course of business, the Company makes a number of estimates and assumptions relating to the reporting of results of operations and financial position in the preparation of financial statements in conformity with generally accepted accounting principles in the United States ("GAAP"). The Company believes the estimates, assumptions and judgments described in the section "Management's Discussion and Analysis of Financial Condition and Results of Operations – Critical Accounting Policies" of the 2017 Form 10-K have the greatest potential impact on our financial statements, so Tredegar considers these to be its critical accounting policies. These policies include accounting for impairment of long-lived assets and goodwill, investment accounted for under the fair value method, pension benefits and income taxes. These policies require management to exercise judgments that are often difficult, subjective and complex due to the necessity of estimating the effect of matters that are inherently uncertain. Actual results could differ significantly from those estimates under different assumptions and conditions. The Company believes the consistent application of these policies enables it to provide readers of the financial statements with useful and reliable information about our operating results and financial condition. Since December 31, 2017, there have been no changes in these policies that have had a material impact on results of operations or financial position. For more information on new accounting pronouncements, see Note 14.

Results of Operations

Third Quarter of 2018 Compared with the Third Quarter of 2017

Overall, sales in the third quarter of 2018 increased by 8.2% compared with the third quarter of 2017. Net sales decreased 14.8% in PE Films. Personal Care was down primarily due to lower demand for topsheet, partially offset by increased sales of elastic materials in the third quarter of 2018 versus 2017. Sales were down in Surface Protection, which the Company believes was due to customer inventory corrections. Net sales in Flexible Packaging Films increased 26.7% due to higher demand and additional production from a production line brought back into service in the second quarter of 2018. Net sales increased 20.9% in Aluminum Extrusions primarily due to higher sales volume and an increase in average selling prices as a result of the pass-through to customers of higher market-driven raw material costs. For more information on net sales and volume, see the Executive Summary.

Consolidated gross profit (sales minus cost of goods sold and freight) as a percentage of sales was 15.1% in the third quarter of 2018 compared to 17.8% in the third quarter of 2017. The gross profit margin in PE Films decreased primarily due to lower volume in personal care films and surface protection films, higher operating costs and quality claims against Surface Protection. The gross profit margin in Flexible Packaging Films increased due to significantly lower depreciation and amortization costs in 2018 compared to 2017, resulting from the \$101 million non-cash asset impairment charge recognized in the fourth quarter of 2017. The gross profit margin in Aluminum Extrusions decreased primarily as a result of operating inefficiencies relating to the operation of its Niles, Michigan facility. The 2017 percentages have changed from the amounts disclosed in the prior year due to the retrospective adoption of ASU 2017-07, which resulted in the separate presentation of "Pension and postretirement benefits" expense in the consolidated statements of income. Historically the Company had reported a portion of its pension and postretirement benefit expenses in cost of goods sold.

As a percentage of sales, selling, general and administrative ("SG&A") and R&D expenses were 9.7% in the third quarter of 2018, compared with 10.2% in the third quarter of last year. SG&A expenses were virtually flat year-over-year, with the lower SG&A percentage in 2018 being attributable to higher net sales in 2018 versus 2017. The 2017 percentages have changed from the amounts disclosed in the prior year due to the retrospective adoption of ASU 2017-07, which resulted in the separate presentation of "Pension and postretirement benefits" expense in the consolidated statements of income. Historically the Company had reported a portion of its pension and postretirement benefit expenses in SG&A.

Plant shutdowns, asset impairments, restructurings and other items in the third quarter of 2018 and 2017 are shown in the segment operating profit table in Note 11 and are described in detail in Note 3. A discussion of unrealized gains and losses on investments can also be found in Note 7.

Interest expense was \$1.8 million in the third quarter of 2017 compared to \$1.3 million in the third quarter of 2018. Average debt outstanding and interest rates were as follows:

	Three Months Ended September		
	30,	_	
(In Millions)	2018	2017	
Floating-rate debt with interest charged on a rollover basis at one-month LIBOR plus a credit			
spread:			
Average outstanding debt balance	\$101.3	\$189.7	
Average interest rate	3.9 %	3.2 %	
Fixed-rate and other debt:			
Average outstanding debt balance	\$ —	\$ —	
Average interest rate	n/a	n/a	
Total debt:			
Average outstanding debt balance	\$101.3	\$189.7	
Average interest rate	3.9 %	3.2 %	

First Nine Months of 2018 Compared with the First Nine Months of 2017

Overall, sales in the first nine months of 2018 increased by 10.4% compared with the first nine months of 2017. Net sales decreased 5.1% in PE Films primarily due to lower topsheet volume in Personal Care, partially offset by a market-driven increase in surface protection films sales during the first half of 2018. Net sales in Flexible Packaging Films increased 13.2% due to higher demand and the start up of a previously idle production line in the second quarter of 2018. Net sales increased 21.9% in Aluminum Extrusions primarily due to the inclusion of Futura sales for a full nine months, higher sales volumes and an increase in average selling prices as a result of the pass-through to customers of higher market-driven raw material costs. For more information on net sales and volume, see the Executive Summary.

Consolidated gross profit (sales minus cost of goods sold and freight) as a percentage of sales was 16.7% in the nine months of 2018, compared to 16.9% in the first nine months of 2017. The gross profit margin in PE Films increased due to higher shipments by Surface Protection in the first six months of 2018 versus 2017. The gross profit margin in Flexible Packaging Films increased primarily due to significantly lower depreciation and amortization costs in 2018 compared to 2017, resulting from the previously mentioned asset impairment charge in 2017. The gross profit margin as a percentage of sales in Aluminum Extrusions declined mainly due to the pass-through to customers of substantially higher aluminum costs, while maintaining the amount of dollar spread between selling prices and raw material costs. The 2017 percentages have changed from the amounts disclosed in the prior year due to the retrospective adoption of ASU 2017-07, which resulted in the separate presentation of "Pension and postretirement benefits" expense in the consolidated statements of income. Historically the Company had reported a portion of its pension and postretirement benefit expenses in cost of goods sold.

As a percentage of sales, SG&A and R&D expenses were 9.8% in the first nine months of 2018, compared with 10.6% in the first nine months of last year. SG&A expenses decreased on a percentage basis year-over-year due to the increase in sales. Actual SG&A spending was higher to support the growth of the Company, including Futura, and from higher stock-based employee benefit costs. The 2017 percentages have changed from the amounts disclosed in the prior year due to the retrospective adoption of ASU 2017-07, which resulted in the separate presentation of "Pension and postretirement benefits" expense in the consolidated statements of income. Historically the Company had reported a portion of its pension and postretirement benefit expenses in SG&A.

Plant shutdowns, asset impairments, restructurings and other items in the first nine months of 2018 and 2017 are shown in the segment operating profit table in Note 11 and are described in detail in Note 3. A discussion of unrealized gains and losses on investments can also be found in Note 7.

Interest expense decreased from \$4.6 million in the first nine months of 2017 to \$4.5 million in the first nine months of 2018, primarily due to higher interest rates offset by lower average debt levels. In February 2017, the Company borrowed \$87 million under its Credit Agreement (as defined in Liquidity and Capital Resources) to fund the

acquisition of Futura.

Average debt outstanding and interest rates were as follows:

	Nine Months		
	Ended September		
	30,		
(In Millions)	2018	2017	
Floating-rate debt with interest charged on a rollover basis at one-month LIBOR plus a credit			
spread:			
Average outstanding debt balance	\$129.6	\$177.6	
Average interest rate	3.7 %	2.9 %	
Fixed-rate and other debt:			
Average outstanding debt balance	\$ —	\$	
Average interest rate	n/a	n/a	
Total debt:			
Average outstanding debt balance	\$129.6	\$177.6	
Average interest rate	3.7 %	2.9 %	

Liquidity and Capital Resources

Tredegar's management continues to focus on improving working capital management. Measures such as days sales outstanding ("DSO"), days inventory outstanding ("DIO") and days payables outstanding ("DPO") are used to evaluate changes in working capital. Changes in operating assets and liabilities from December 31, 2017 to September 30, 2018 are summarized as follows:

Accounts and other receivables increased \$5.2 million (4.4%).

Accounts and other receivables in PE Films decreased by \$6.3 million primarily due to lower net sales for certain Personal Care products, a focus on collection efforts and the timing of cash receipts. DSO (represents trailing 12 months net sales divided by a rolling 12-month average of accounts and other receivables balances) was approximately 45.0 days for the 12 months ended September 30, 2018 and 48.4 days for the 12 months ended December 31, 2017.

Accounts and other receivables in Flexible Packaging Films increased by \$0.3 million primarily due to higher shipments and the timing of cash receipts. DSO was approximately 45.9 days for the 12 months ended September 30, 2018 and 53.2 days for the 12 months ended December 31, 2017.

Accounts and other receivables in Aluminum Extrusions increased by \$11.2 million primarily due to higher prices resulting from the pass through of higher metal costs. DSO was approximately 44.7 days for the 12 months ended September 30, 2018 and 43.3 days for the 12 months ended December 31, 2017.

Inventories increased \$5.9 million (6.8%).

Inventories in PE Films decreased by approximately \$2.2 million primarily due to lower sales and the timing of raw material purchases. DIO (represents trailing 12 months costs of goods sold calculated on a first-in, first-out basis divided by a rolling 12-month average of inventory balances calculated on the first-in, first-out basis) was approximately 56.0 days for the 12 months ended September 30, 2018 and 55.0 days for the 12 months ended December 31, 2017.

Inventories in Flexible Packaging Films increased by approximately \$3.9 million primarily due to a higher production level leading to more finished goods on hand and the higher levels of raw materials to support increased production. DIO was approximately 71.8 days for the 12 months ended September 30, 2018 and 70.1 days for the 12 months ended December 31, 2017.

Inventories in Aluminum Extrusions increased by \$4.2 million due to an increase in raw material prices and the timing of purchases. DIO was approximately 33.5 days for the 12 months ended September 30, 2018 and 32.6 days for the 12 months ended December 31, 2017.

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Net property, plant and equipment decreased \$4.8 million (2.2%) primarily due a change in the value of the U.S. dollar relative to foreign currencies (\$5.5 million decrease), partially offset by capital expenditures of \$25.1 million, which exceeded depreciation expenses of \$22.3 million.

Goodwill decreased by \$46.8 million due to the write-off of all of the goodwill of PE Films' Personal Care component.

Other identifiable intangibles decreased by \$3.4 million (8.4%) primarily due to amortization expense of \$3.1 million. Accounts payable increased \$19.6 million (18.1%).

Accounts payable in PE Films decreased \$1.9 million due to lower planned production and the normal volatility associated with the timing of payments. DPO (represents trailing 12 months costs of goods sold calculated on a first-in, first-out basis divided by a rolling 12-month average of accounts payable balances) was approximately 44.3 days for the 12 months ended September 30, 2018 and 40.6 days for the 12 months ended December 31, 2017.

Accounts payable in Flexible Packaging Films increased \$3.4 million due to higher production levels and inventory levels to meet market demand and the normal volatility associated with the timing of payments. DPO was approximately 48.0 days for the 12 months ended September 30, 2018 and 42.8 days for the 12 months ended December 31, 2017.

Accounts payable in Aluminum Extrusions increased by \$18.5 million primarily due to higher volume, an increase in metal prices, negotiation of longer payment terms and the normal volatility associated with the timing of payments. DPO was approximately 50.1 days for the 12 months ended September 30, 2018 and 48.0 days for the 12 months ended December 31, 2017.

Accrued expenses increased by \$2.7 million (6.4%) from December 31, 2017 due to the accruals of employee related benefits and severance accruals related to the Shanghai transition.

Cash provided by operating activities was \$93.0 million in the first nine months of 2018 compared with \$53.5 million in the first nine months of 2017. The increase is primarily due to higher operating profit before depreciation and amortization from ongoing operations (\$2.5 million) and the net of income tax refunds received in 2018 over income tax payments made in the same period in 2017 (\$35.3 million).

Cash used in investing activities was \$19.7 million in the first nine months of 2018 compared with \$124.2 million in the first nine months of 2017. Cash used in investing activities primarily represents the acquisition of Futura in 2017 for \$87.1 million and capital expenditures, which were \$25.1 million and \$37.2 million in the first nine months of 2018 and 2017, respectively. Additionally, in the first quarter of 2018, the Company received \$5 million from escrowed funds related to an earnout from the acquisition of Futura, of which \$4.3 million was classified in cash flows for investing activities.

Cash used in financing activities was \$70.9 million in the first nine months of 2018 primarily related to net repayments of the Credit Agreement of \$61.0 million and the payment of regular quarterly dividends of \$10.9 million (33 cents per share). Cash provided by financing activities was \$71.8 million in the first nine months of 2017 and was primarily related to net borrowings of \$82.0 million under the Credit Agreement to fund the acquisition of Futura for \$87.1 million and the payment of regular quarterly dividends of \$10.9 million (33 cents per share).

Further information on cash flows for the nine months ended September 30, 2018 and 2017 is provided in the consolidated statements of cash flows.

On March 1, 2016, the Company executed its five-year, \$400 million secured revolving credit agreement that expires on March 1, 2021 ("Credit Agreement"). Net capitalization and indebtedness as defined under the Credit Agreement as of September 30, 2018 were as follows:

Net Capitalization and Indebtedness as of September 30,

2018

(In thousands)

Net capitalization:

Cash and cash equivalents \$36,776 Debt: Credit Agreement 91,000 Debt, net of cash and cash equivalents 54,224 Shareholders' equity 328,771 Net capitalization \$382,995 Indebtedness as defined in Credit Agreement: Total debt \$91,000 Face value of letters of credit 2,686

Face value of letters of credit 2,686
Other 308
Indebtedness \$93,994

The credit spread and commitment fees charged on the unused amount under the Credit Agreement at various indebtedness-to-adjusted EBITDA levels are as follows:

Pricing Under The Credit Agreement (Basis Points)

Indebtedness-to-Adjusted EBITDA R		Credit Spread	Commitmen
	indebtedness-to-Adjusted EBITDA Ratio	Over LIBOR	Fee
	> 3.5x but $<= 4.0x$	250	45
	> 3.0x but $<= 3.5x$	225	40
	> 2.0x but $<= 3.0x$	200	35
	> 1.0x but $<= 2.0x$	175	30
	$\leq 1.0x$	150	25

At September 30, 2018, the interest rate on debt under the Credit Agreement existing at that date was priced at one-month LIBOR plus the applicable credit spread of 175 basis points. Under the Credit Agreement, borrowings are permitted up to \$400 million, and approximately \$309 million was available to borrow at September 30, 2018 based upon the most restrictive covenants within the Credit Agreement.

The computations of adjusted EBITDA, adjusted EBIT, the leverage ratio and interest coverage ratio as defined in the Credit Agreement are presented below. Adjusted EBITDA and adjusted EBIT as defined in the Credit Agreement are not intended to represent net income (loss) or cash flow from operations as defined by GAAP and should not be considered as an alternative to either Net income (loss) or to cash flow.

Computations of Adjusted EBITDA, Adjusted EBIT, Leverage Ratio and Interest Coverage Ratio as Defined in the Credit Agreement Along with Related Most Restrictive Covenants as of and for the Twelve Months Ended September 30, 2018 (In Thousands)

Computations of adjusted EBITDA and adjusted EBIT as defined in the Credit Agreement for the twelve months ended September 30, 2018:

Net income (loss)	\$(19,242	2)
Plus:	Ψ(17,242	-)
After-tax losses related to discontinued operations	_	
Total income tax expense for continuing operations	_	
Interest expense	6,130	
Depreciation and amortization expense for continuing operations	36,002	
All non-cash losses and expenses, plus cash losses and expenses not to exceed \$10,000, for continuing	,	
operations that are classified as unusual, extraordinary or which are related to plant shutdowns, asset	158,764	
impairments and/or restructurings (cash-related of \$10,000)	,	
Charges related to stock option grants and awards accounted for under the fair value-based method	917	
Losses related to the application of the equity method of accounting		
Losses related to adjustments in the estimated fair value of assets accounted for under the fair value method	d	
of accounting		
Minus:		
After-tax income related to discontinued operations	_	
Total income tax benefits for continuing operations	(59,695)
Interest income	(328)
All non-cash gains and income, plus cash gains and income in excess of \$10,000, for continuing operations	S	
that are classified as unusual, extraordinary or which are related to plant shutdowns, asset impairments	_	
and/or restructurings		
Income related to changes in estimates for stock option grants and awards accounted for under the fair		
value-based method		
Income related to the application of the equity method of accounting		
Income related to adjustments in the estimated fair value of assets accounted for under the fair value	(20,900)
method of accounting	(20,>00	,
Plus cash dividends declared on investments accounted for under the equity method of accounting	_	
Plus or minus, as applicable, pro forma EBITDA adjustments associated with acquisitions and asset		
dispositions	101 640	
Adjusted EBITDA as defined in the Credit Agreement	101,648	
Less: Depreciation and amortization expense for continuing operations (including pro forma for	(36,002)
acquisitions and asset dispositions)	¢ (5 () (
Adjusted EBIT as defined in the Credit Agreement	\$65,646	
Computations of leverage and interest coverage ratios as defined in the Credit Agreement at September 30,		
Leverage ratio (indebtedness-to-adjusted EBITDA)	.92x	
Interest coverage ratio (adjusted EBIT-to-interest expense) Most restrictive governorts as defined in the Credit Agreement.	10.71x	
Most restrictive covenants as defined in the Credit Agreement: Maximum permitted aggregate amount of dividends that can be paid by Tradeger during the term of the		
Maximum permitted aggregate amount of dividends that can be paid by Tredegar during the term of the	\$156,760	6
Credit Agreement (\$100,000 plus 50% of net income generated for each quarter beginning January 1, 2016 Maximum leverage ratio permitted	4.00	
waxiiiuiii ieverage ratio periintieu	4.00	

2.50

As of September 30, 2018, Tredegar was in compliance with all financial covenants in the Credit Agreement. Noncompliance with any one or more of the debt covenants may have a material adverse effect on the Company's financial condition or liquidity in the event such noncompliance cannot be cured or should the Company be unable to obtain a waiver from the lenders as we would not be permitted to borrow under the credit facility and any amounts outstanding would become due and payable. Renegotiation of the covenant(s) through an amendment to the Credit Agreement could effectively cure the noncompliance, but could have an effect on financial condition or liquidity depending upon how the covenant is renegotiated.

At September 30, 2018, the Company had cash and cash equivalents of \$36.8 million, including funds held in locations outside the U.S. of \$31.0 million. The Company believes that existing borrowing availability, current cash balances and cash flow from operations will be sufficient to satisfy its working capital, capital expenditure and dividend requirements for the next 12 months.

Item 3. Quantitative and Qualitative Disclosures About Market Risk.

Tredegar has exposure to the volatility of interest rates, polyethylene and polypropylene resin prices, Terephthalic Acid ("PTA") and Monoethylene Glycol ("MEG") prices, aluminum ingot and scrap prices, energy prices, foreign currencies and emerging markets. See Liquidity and Capital Resources regarding interest rate exposures related to borrowings under the Credit Agreement.

Changes in polyethylene resin prices, and the timing of those changes, could have a significant impact on profit margins in PE Films. Changes in polyester resin, PTA and MEG prices, and the timing of those changes, could have a significant impact on profit margins in Flexible Packaging Films. Profit margins in Aluminum Extrusions are sensitive to fluctuations in aluminum ingot and scrap prices as well as natural gas prices (natural gas is the principal energy source used to operate its casting furnaces). There is no assurance of the Company's ability to pass through higher raw material and energy costs to its customers. For more information on significantly higher raw material costs in Aluminum Extrusions, see Aluminum Extrusions in Executive Summary.

The volatility of average quarterly prices of low density polyethylene resin in the U.S. (a primary raw material for PE Films) is shown in the chart below.

Source: Quarterly averages computed by Tredegar using monthly data provided by IHS, Inc. In January 2015, IHS reflected a 21 cents per pound non-market adjustment based on their estimate of the growth of discounts in prior periods. The 4th quarter 2014 average rate of \$1.09 per pound is shown on a pro forma basis as if the non-market adjustment was made in the fourth quarter of 2014.

Polyethylene resin prices in Europe, Asia and South America have exhibited similar long-term trends. The price of resin is driven by several factors, including supply and demand and the price of oil, ethylene and natural gas. To address fluctuating resin prices, PE Films has index-based pass-through raw material cost agreements for the majority of its business. However, under certain agreements, changes in resin prices are not passed through for an average period of 90 days (see Executive Summary for more information). Pricing on the remainder of the business is based upon raw material costs and supply/demand dynamics within the markets that the Company competes.

Polyester resins, MEG and PTA used in flexible packaging films produced in Brazil are primarily purchased domestically, with other sources available mostly from Asia and the U.S. Given the nature of these products as commodities, pricing is derived from Asian pricing indexes. The volatility of the average quarterly prices for polyester fibers in Asia, which is representative of polyester resin (a primary raw material for Flexible Packaging Films) pricing trends, is shown in the chart below:

Source: Quarterly averages computed by Tredegar using monthly data from CMAI Global Index data.

The volatility of average quarterly prices of PTA and MEG in Asia (raw materials used in the production of polyester resins produced by Flexible Packaging Films) is shown in the chart below:

Source: Quarterly averages computed by Tredegar using monthly data from CMAI Global Index data.

In the normal course of business, Aluminum Extrusions enters into fixed-price forward sales contracts with certain customers for the sale of fixed quantities of aluminum extrusions at scheduled intervals. In order to hedge its exposure to aluminum price volatility (see the chart below) under these fixed-price arrangements, which generally have a duration of not more than 12 months, the Company enters into a combination of forward purchase commitments and futures contracts to acquire or hedge aluminum, based on the scheduled deliveries. See Note 8 for additional information.

The volatility of quarterly average aluminum prices is shown in the chart below.

Source: Quarterly averages computed using daily Midwest average prices provided by Platts.

From time-to-time, Aluminum Extrusions has hedged a portion of its exposure to natural gas price volatility by entering into fixed-price forward purchase contracts with the Company's natural gas suppliers. The Company estimates that, in an unhedged situation, every \$1 per mmBtu per month change in the market price of natural gas has a \$0.1 million impact on the continuing monthly operating profit in Aluminum Extrusions. The Company has an energy surcharge for its aluminum extrusions business in the U.S. to be applied when the NYMEX natural gas price is in excess of \$8.85 per mmBtu.

The volatility of quarterly average natural gas prices is shown in the chart below.

Source: Quarterly averages computed by Tredegar using monthly NYMEX settlement prices.

The Company sells to customers in foreign markets through its foreign operations and through exports from U.S. plants. The percentage of sales for manufacturing operations related to foreign markets for the first nine months of 2018 and 2017 are as follows:

Percentage of Net Sales from Ongoing Operations Related to Foreign Markets*

Nine Months Ended September 30. 2018 2017 Exportsoreign Exportsoreign From Operations From Operations 5 % — Canada 5 % — % Europe 1 8 1 9 2 9 Latin America 1 10 Asia 9 2 1 15% 19 17% 20 Total %

Tredegar attempts to match the pricing and cost of its products in the same currency and generally views the volatility of foreign currencies and emerging markets, and the corresponding impact on earnings and cash flow, as part of the overall risk of operating in a global environment (for additional information, see trends for the Euro, Brazilian Real and Chinese Yuan in the charts on the following page). Exports from the U.S. are generally denominated in U.S. Dollars. The Company's foreign currency exposure on income from continuing foreign operations relates to the Euro, the Chinese Yuan, the Hungarian Forint, the Brazilian Real and the Indian Rupee.

PE Films is generally able to match the currency of its sales and costs for its product lines. For flexible packaging films produced in Brazil, selling prices and key raw material costs are principally determined in U.S. Dollars and are impacted by local economic conditions. Competition in Brazil, Terphane's primary market, has been exacerbated by global overcapacity in the polyester industry generally, and by particularly acute overcapacity in Latin America. Additional PET capacity from a competitor in Latin America came on line in September 2017. These factors have resulted in significant competitive pricing pressures and U.S. Dollar equivalent margin compression. Moreover, variable conversion, fixed conversion and sales, general and administrative costs for operations in Brazil have been adversely impacted by inflation in Brazil that is higher than in the U.S. Flexible Packaging Films is exposed to additional foreign exchange translation risk (its functional currency is the Brazilian Real) because almost 90% of Flexible Packaging Films business unit in Brazil, Terphane Ltda.'s ("Terphane Ltda.") sales are quoted or priced in U.S. Dollars while a large majority of its Brazilian costs are quoted or priced in Brazilian Real. This mismatch, together with a variety of economic variables impacting currency exchange rates, causes volatility that could negatively or positively impact operating profit for Flexible Packaging Films.

The Company's earnings are exposed to foreign currency exchange risk primarily through the translation of the financial statements of subsidiaries that have a functional currency other than the U.S. Dollar. The Company estimates that the net mismatch translation exposure between Terphane Ltda.'s U.S. Dollar quoted or priced sales and underlying Brazilian Real quoted or priced operating costs (excluding depreciation and amortization) is annual net costs of R\$125 million. Terphane Ltda. has outstanding foreign exchange average forward rate contracts to purchase Brazilian Real and sell U.S. Dollars to hedge its exposure. See Note 8 for more information on outstanding hedging contracts and this hedging program.

Tredegar estimates that the change in the value of foreign currencies relative to the U.S. Dollar on PE Films had a favorable impact on operating profit from ongoing operations in PE Films of \$0.1 million in the third quarter of 2018 compared with the third quarter of 2017 and an unfavorable impact of \$1.0 million in the first nine months of 2018 compared to the first nine months of 2017.

^{*} The percentages for foreign markets are relative to Tredegar's total net sales from ongoing operations

Trends for the Euro exchange rates relative to the U.S. Dollar are shown in the chart below.

Source: Quarterly averages computed by Tredegar using daily closing data provided by Bloomberg. Trends for the Brazilian Real and Chinese Yuan exchange rates relative to the U.S. Dollar are shown in the chart below.

Source: Quarterly averages computed by Tredegar using daily closing data provided by Bloomberg.

Item 4. Controls and Procedures.

Evaluation of Disclosure Controls and Procedures

Pursuant to Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), Tredegar carried out an evaluation, with the participation of its management, including its principal executive officer and principal financial officer, of the effectiveness of disclosure controls and procedures (as defined under Rule 13a-15(e) under the Exchange Act) as of the period ended September 30, 2018.

Based on that evaluation, the Company's principal executive officer and principal financial officer concluded that, because of the material weaknesses in internal control over financial reporting discussed below, the Company's disclosure controls and procedures were not effective to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act, is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to management, including the principal executive officer and principal financial officer, as appropriate, to allow timely decisions regarding required disclosure.

Management's Report on Internal Control Over Financial Reporting

The Company's management is responsible for establishing and maintaining adequate internal control over financial reporting, as such term is defined in Rule 13a-15(f) under the Exchange Act. The Company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation and fair presentation of published financial statements in accordance with U.S. generally accepted accounting principles and includes policies and procedures that:

Pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of our assets;

Provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP, and that our receipts and expenditures are being made only in accordance with authorization of our management and directors; and

Provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of our assets that could have a material effect on the consolidated financial statements.

Internal control over financial reporting includes the controls themselves, monitoring (including internal auditing practices) and actions taken to correct deficiencies as identified.

Because of its inherent limitations, internal control over financial reporting is not intended to provide absolute assurance that a misstatement of the Company's consolidated financial statements would be prevented or detected. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Management conducted an evaluation of the effectiveness of the Company's internal control over financial reporting based on the framework in Internal Control - Integrated Framework 2013 issued by the Committee of Sponsoring Organizations of the Treadway Commission (the "2013 COSO Framework"). In conducting its assessment of the effectiveness of the Company's internal controls over financial reporting, management excluded the acquisition of Futura Industries Corporation, which the Company acquired on February 15, 2017, and is included in the Company's 2017 consolidated financial statements and constituted 7% of consolidated total assets and 8% of consolidated total sales for the year then ended.

Based on this evaluation, the Company's management initially concluded and disclosed in the 2017 Form 10-K that the Company's internal control over financial reporting was effective as of December 31, 2017.

However, for the reasons discussed below, management conducted a re-evaluation of the effectiveness of the Company's internal control over financial reporting based on the 2013 COSO Framework. In conducting its re-assessment of the effectiveness of the Company's internal control over financial reporting, management concluded that the Company's internal control over financial reporting was not effective as of December 31, 2017 because of the material weaknesses in internal control over financial reporting discussed below.

As disclosed in the Current Report on Form 8-K filed on May 7, 2018 by the Company, on May 3, 2018, the Company dismissed PricewaterhouseCoopers LLP ("PwC") as its independent registered public accounting firm and engaged KPMG LLP ("KPMG") as its independent registered public accounting firm to audit the Company's financial

statements as of and for the fiscal year ending December 31, 2018. Subsequent to PwC's dismissal, the Public Company Accounting Oversight Board (the "PCAOB") conducted an inspection of PwC's integrated audit of the Company's 2017 consolidated financial statements included in the 2017 Form 10-K and the Company's internal control over financial reporting as of December 31, 2017.

Following the PCAOB's inspection, PwC re-evaluated the Company's internal control over financial reporting as of December 31, 2017 and identified deficiencies in the following areas (the "Deficiency Areas"):

- the Company did not design and maintain effective controls over the review of cash flow forecasts, which are used 1.as inputs into the valuation models for its investment in kaléo, Inc. and intangible assets acquired in a business combination; and
- 2. the Company did not design and maintain effective controls over the accuracy and occurrence of revenue in the North American Films and Bonnell Aluminum divisions.

As disclosed in the Current Report on Form 8-K filed on November 1, 2018 by the Company, on October 26, 2018, PwC and the Company concluded that the Deficiency Areas constituted material weaknesses in the Company's internal control over financial reporting as of December 31, 2017. As a result, Management's Report on Internal Control Over Financial Reporting and the Evaluation of Disclosure Controls and Procedures included in Item 9A of the 2017 Form 10-K and PwC's opinion relating to the effectiveness of the Company's internal control over financial reporting as of December 31, 2017 included in the 2017 Form 10-K should no longer be relied upon. Additionally, the conclusions relating to the Controls and Procedures included in Item 4 of the Company's Quarterly Reports on Form 10-Q for the quarterly periods ended March 31, 2018 and June 30, 2018 (the "Prior Forms 10-Q") should no longer be relied upon due to the material weaknesses described above.

A material weakness is a deficiency, or combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of the annual or interim financial statements will not be prevented or detected on a timely basis. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements.

As of the date of this Form 10-Q, to the knowledge of the Company's principal executive officer and principal financial officer, the material weaknesses did not result in a material misstatement of the Company's consolidated financial statements included in the 2017 Form 10-K or the Prior Forms 10-Q. PwC has not informed the Company that their opinion relating to the Company's consolidated financial statements included in the 2017 Form 10-K should no longer be relied upon. However, PwC continues to perform additional procedures, including an evaluation as to whether an additional material weakness existed with regard to the risk assessment component at the Company under the 2013 COSO Framework. The Company and its outside consultant, an internationally recognized accounting firm, are working with PwC to ensure the additional procedures are completed promptly.

Remediation Plan

To remediate the material weaknesses described above, the Company plans to pursue the following remediation steps: 1.