

Celanese Corp
Form 10-Q
July 26, 2016
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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 10-Q

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

For the quarterly period ended June 30, 2016

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

(Commission File Number) 001-32410

CELANESE CORPORATION

(Exact Name of Registrant as Specified in its Charter)

Delaware 98-0420726

(State or Other Jurisdiction of Incorporation or Organization) (I.R.S. Employer Identification No.)

222 W. Las Colinas Blvd., Suite 900N 75039-5421
Irving, TX (Zip Code)

(Address of Principal Executive Offices)
(972) 443-4000

(Registrant's telephone number, including area code)

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

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

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

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

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

The number of outstanding shares of the registrant's Series A common stock, \$0.0001 par value, as of July 20, 2016 was 144,736,671.

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CELANESE CORPORATION AND SUBSIDIARIES

Form 10-Q

For the Quarterly Period Ended June 30, 2016

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Item 1. Financial Statements

CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF OPERATIONS

	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2016	2015	2016	2015
	(In \$ millions, except share and per share data)			
Net sales	1,351	1,477	2,755	2,927
Cost of sales	(1,013	) (1,102	) (2,027	) (2,171
Gross profit	338	375	728	756
Selling, general and administrative expenses	(71	) (106	) (151	) (204
Amortization of intangible assets	(2	) (3	) (4	) (6
Research and development expenses	(19	) (59	) (38	) (79
Other (charges) gains, net	(4	) (10	) (9	) (15
Foreign exchange gain (loss), net	(1	) (3	) 2	—
Gain (loss) on disposition of businesses and assets, net	2	(6	) 2	(7
Operating profit (loss)	243	188	530	445
Equity in net earnings (loss) of affiliates	35	40	73	88
Interest expense	(30	) (30	) (63	) (57
Refinancing expense	—	—	(2) —
Interest income	—	1	1	1
Dividend income - cost investments	29	26	56	54
Other income (expense), net	(2	) 2	(2	) 2
Earnings (loss) from continuing operations before tax	275	227	593	533
Income tax (provision) benefit	(52	) (24	) (112	) (96
Earnings (loss) from continuing operations	223	203	481	437
Earnings (loss) from operation of discontinued operations	—	(3	) 1	(3
Income tax (provision) benefit from discontinued operations	—	1	—	1
Earnings (loss) from discontinued operations	—	(2	) 1	(2
Net earnings (loss)	223	201	482	435
Net (earnings) loss attributable to noncontrolling interests	(2	) 4	(4	) 6
Net earnings (loss) attributable to Celanese Corporation	221	205	478	441
Amounts attributable to Celanese Corporation				
Earnings (loss) from continuing operations	221	207	477	443
Earnings (loss) from discontinued operations	—	(2	) 1	(2
Net earnings (loss)	221	205	478	441
Earnings (loss) per common share - basic				
Continuing operations	1.51	1.35	3.25	2.89
Discontinued operations	—	(0.01	) —	(0.01
Net earnings (loss) - basic	1.51	1.34	3.25	2.88
Earnings (loss) per common share - diluted				
Continuing operations	1.50	1.34	3.24	2.87
Discontinued operations	—	(0.01	) —	(0.01
Net earnings (loss) - diluted	1.50	1.33	3.24	2.86
Weighted average shares - basic	146,482,612	153,480,175	146,947,923	153,349,071
Weighted average shares - diluted	147,065,688	153,990,933	147,592,531	153,945,466

See the accompanying notes to the unaudited interim consolidated financial statements.

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CELANESE CORPORATION AND SUBSIDIARIES
 UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF
 COMPREHENSIVE INCOME (LOSS)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2016	2015	2016	2015
	(In \$ millions)			
Net earnings (loss)	223	201	482	435
Other comprehensive income (loss), net of tax				
Unrealized gain (loss) on marketable securities	—	(1)	1	(1)
Foreign currency translation	(18)	37	46	(119)
Gain (loss) on cash flow hedges	1	1	1	3
Pension and postretirement benefits	(1)	4	(1)	1
Total other comprehensive income (loss), net of tax	(18)	41	47	(116)
Total comprehensive income (loss), net of tax	205	242	529	319
Comprehensive (income) loss attributable to noncontrolling interests	(2)	4	(4)	6
Comprehensive income (loss) attributable to Celanese Corporation	203	246	525	325

See the accompanying notes to the unaudited interim consolidated financial statements.

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CELANESE CORPORATION AND SUBSIDIARIES
 UNAUDITED CONSOLIDATED BALANCE SHEETS

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions, except share data)	
ASSETS		
Current Assets		
Cash and cash equivalents (variable interest entity restricted - 2016: \$23; 2015: \$7)	735	967
Trade receivables - third party and affiliates (net of allowance for doubtful accounts - 2016: \$5; 2015: \$6; variable interest entity restricted - 2016: \$5; 2015: \$6)	792	706
Non-trade receivables, net	217	285
Inventories	636	682
Deferred income taxes	—	68
Marketable securities, at fair value	35	30
Other assets	41	49
Total current assets	2,456	2,787
Investments in affiliates	842	838
Property, plant and equipment (net of accumulated depreciation - 2016: \$2,164; 2015: \$2,039; variable interest entity restricted - 2016: \$754; 2015: \$772)	3,588	3,609
Deferred income taxes	237	222
Other assets (variable interest entity restricted - 2016: \$10; 2015: \$13)	293	300
Goodwill	711	705
Intangible assets (net of accumulated amortization - 2016: \$538; 2015: \$528; variable interest entity restricted - 2016: \$26; 2015: \$27)	121	125
Total assets	8,248	8,586
LIABILITIES AND EQUITY		
Current Liabilities		
Short-term borrowings and current installments of long-term debt - third party and affiliates	119	513
Trade payables - third party and affiliates	551	587
Other liabilities	301	330
Deferred income taxes	—	30
Income taxes payable	116	90
Total current liabilities	1,087	1,550
Long-term debt, net of unamortized deferred financing costs	2,464	2,468
Deferred income taxes	116	136
Uncertain tax positions	154	167
Benefit obligations	1,147	1,189
Other liabilities	229	247
Commitments and Contingencies		
Stockholders' Equity		
Preferred stock, \$0.01 par value, 100,000,000 shares authorized (2016 and 2015: 0 issued and outstanding)	—	—
Series A common stock, \$0.0001 par value, 400,000,000 shares authorized (2016: 167,474,301 issued and 144,736,671 outstanding; 2015: 166,698,787 issued and 146,782,297 outstanding)	—	—
Series B common stock, \$0.0001 par value, 100,000,000 shares authorized (2016 and 2015: 0 issued and outstanding)	—	—

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Treasury stock, at cost (2016: 22,737,630 shares; 2015: 19,916,490 shares)	(1,231)	(1,031))
Additional paid-in capital	133	136	
Retained earnings	4,001	3,621	
Accumulated other comprehensive income (loss), net	(301)	(348))
Total Celanese Corporation stockholders' equity	2,602	2,378	
Noncontrolling interests	449	451	
Total equity	3,051	2,829	
Total liabilities and equity	8,248	8,586	

See the accompanying notes to the unaudited interim consolidated financial statements.

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATED STATEMENT OF EQUITY

	Six Months Ended June 30, 2016	
	Shares	Amount
	(In \$ millions, except share data)	
Series A Common Stock		
Balance as of the beginning of the period	146,782,297	—
Stock option exercises	93,520	—
Purchases of treasury stock	(2,821,140)	—
Stock awards	681,994	—
Balance as of the end of the period	144,736,671	—
Treasury Stock		
Balance as of the beginning of the period	19,916,490	(1,031)
Purchases of treasury stock, including related fees	2,821,140	(200)
Balance as of the end of the period	22,737,630	(1,231)
Additional Paid-In Capital		
Balance as of the beginning of the period		136
Stock-based compensation, net of tax		(6)
Stock option exercises, net of tax		3
Balance as of the end of the period		133
Retained Earnings		
Balance as of the beginning of the period		3,621
Net earnings (loss) attributable to Celanese Corporation		478
Series A common stock dividends		(98)
Balance as of the end of the period		4,001
Accumulated Other Comprehensive Income (Loss), Net		
Balance as of the beginning of the period		(348)
Other comprehensive income (loss), net of tax		47
Balance as of the end of the period		(301)
Total Celanese Corporation stockholders' equity		2,602
Noncontrolling Interests		
Balance as of the beginning of the period		451
Net earnings (loss) attributable to noncontrolling interests		4
(Distributions to) contributions from noncontrolling interests		(6)
Balance as of the end of the period		449
Total equity		3,051

See the accompanying notes to the unaudited interim consolidated financial statements.

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CELANESE CORPORATION AND SUBSIDIARIES
 UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS

	Six Months Ended June 30, 2016 2015 (In \$ millions)	
Operating Activities		
Net earnings (loss)	482	435
Adjustments to reconcile net earnings (loss) to net cash provided by operating activities		
Asset impairments	1	—
Depreciation, amortization and accretion	149	175
Pension and postretirement net periodic benefit cost	(26)	(24)
Pension and postretirement contributions	(26)	(41)
Deferred income taxes, net	(1)	10
(Gain) loss on disposition of businesses and assets, net	(1)	6
Stock-based compensation	16	25
Undistributed earnings in unconsolidated affiliates	37	29
Other, net	9	6
Operating cash provided by (used in) discontinued operations	(4)	4
Changes in operating assets and liabilities		
Trade receivables - third party and affiliates, net	(84)	(92)
Inventories	51	(1)
Other assets	38	36
Trade payables - third party and affiliates	(23)	21
Other liabilities	18	(36)
Net cash provided by (used in) operating activities	636	553
Investing Activities		
Capital expenditures on property, plant and equipment	(128)	(117)
Acquisitions, net of cash acquired	—	(3)
Proceeds from sale of businesses and assets, net	2	—
Capital expenditures related to Fairway Methanol LLC	—	(210)
Other, net	(12)	(24)
Net cash provided by (used in) investing activities	(138)	(354)
Financing Activities		
Net change in short-term borrowings with maturities of 3 months or less	(353)	(2)
Proceeds from short-term borrowings	22	26
Repayments of short-term borrowings	(63)	(39)
Proceeds from long-term debt	170	—
Repayments of long-term debt	(183)	(12)
Purchases of treasury stock, including related fees	(200)	—
Stock option exercises	3	2
Series A common stock dividends	(98)	(84)
(Distributions to) contributions from noncontrolling interests	(6)	155
Other, net	(24)	(11)
Net cash provided by (used in) financing activities	(732)	35
Exchange rate effects on cash and cash equivalents	2	(26)
Net increase (decrease) in cash and cash equivalents	(232)	208

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Cash and cash equivalents as of beginning of period	967	780
Cash and cash equivalents as of end of period	735	988

See the accompanying notes to the unaudited interim consolidated financial statements.

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CELANESE CORPORATION AND SUBSIDIARIES

NOTES TO THE UNAUDITED INTERIM CONSOLIDATED FINANCIAL STATEMENTS

1. Description of the Company and Basis of Presentation

Description of the Company

Celanese Corporation and its subsidiaries (collectively, the "Company") is a global technology and specialty materials company. The Company's business involves processing chemical raw materials, such as methanol, carbon monoxide and ethylene, and natural products, including wood pulp, into value-added chemicals, thermoplastic polymers and other chemical-based products.

Definitions

In this Quarterly Report on Form 10-Q ("Quarterly Report"), the term "Celanese" refers to Celanese Corporation, a Delaware corporation, and not its subsidiaries. The term "Celanese US" refers to the Company's subsidiary, Celanese US Holdings LLC, a Delaware limited liability company, and not its subsidiaries.

Basis of Presentation

The unaudited interim consolidated financial statements for the three and six months ended June 30, 2016 and 2015 contained in this Quarterly Report were prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP") for all periods presented and include the accounts of the Company, its majority owned subsidiaries over which the Company exercises control and, when applicable, variable interest entities in which the Company is the primary beneficiary. The unaudited interim consolidated financial statements and other financial information included in this Quarterly Report, unless otherwise specified, have been presented to separately show the effects of discontinued operations.

In the opinion of management, the accompanying unaudited consolidated balance sheets and related unaudited interim consolidated statements of operations, comprehensive income (loss), cash flows and equity include all adjustments, consisting only of normal recurring items necessary for their fair presentation in conformity with US GAAP. Certain information and footnote disclosures normally included in financial statements prepared in accordance with US GAAP may have been condensed or omitted in accordance with rules and regulations of the Securities and Exchange Commission ("SEC"). These unaudited interim consolidated financial statements should be read in conjunction with the Company's consolidated financial statements as of and for the year ended December 31, 2015, filed on February 5, 2016 with the SEC as part of the Company's Annual Report on Form 10-K.

Operating results for the three and six months ended June 30, 2016 are not necessarily indicative of the results to be expected for the entire year.

In the ordinary course of business, the Company enters into contracts and agreements relative to a number of topics, including acquisitions, dispositions, joint ventures, supply agreements, product sales and other arrangements. The Company endeavors to describe those contracts or agreements that are material to its business, results of operations or financial position. The Company may also describe some arrangements that are not material but in which the Company believes investors may have an interest or which may have been included in a Form 8-K filing. Investors should not assume the Company has described all contracts and agreements relative to the Company's business in this Quarterly Report.

For those consolidated ventures in which the Company owns or is exposed to less than 100% of the economics, the outside stockholders' interests are shown as noncontrolling interests.

The Company has reclassified certain prior period amounts to conform to the current period's presentation.

Estimates and Assumptions

The preparation of unaudited interim consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the unaudited interim consolidated financial statements and the reported amounts of net sales, expenses and allocated charges during the reporting period. Significant estimates pertain to impairments of goodwill, intangible assets and other long-lived assets, purchase price allocations, restructuring costs and other (charges) gains, net, income taxes, pension and other postretirement benefits, asset retirement obligations, environmental liabilities and loss contingencies, among others. Actual results could differ from those estimates.

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Change in estimate regarding pension and other postretirement benefits

Beginning in 2016, the Company elected to change the method used to estimate the service and interest cost components of net periodic benefit cost for its significant defined benefit pension plans and other postretirement benefit plans. Previously, the Company estimated the service and interest cost components utilizing a single weighted average discount rate derived from the yield curve used to measure the benefit obligation at the beginning of the period. The Company has elected to use a full yield curve approach in the estimation of these components of net periodic benefit cost by applying the specific spot rates along the yield curve used in the determination of the benefit obligation to the relevant projected cash flows. This change improves the correlation between projected benefit cash flows and the corresponding yield curve spot rates and provides a more precise measurement of service and interest costs. This change does not affect the measurement of the Company's total benefit obligations as the change in service and interest cost will be completely offset in the annual actuarial (gain) loss reported. The Company has accounted for this change as a change in estimate and, accordingly, has accounted for it prospectively beginning in 2016. The Company's adoption of the full yield curve approach will reduce 2016 service and interest cost by approximately \$29 million as compared to the previous method.

The discount rates used to measure service and interest cost during 2016 and the discount rates that would have been used for service and interest cost under the Company's previous estimation methodology are as follows:

	Pension Benefits		Postretirement Benefits	
	US	International	US	International
	(In percentages)			
Single weighted average discount rate approach				
Service and interest cost	4.2	2.6	4.0	3.6
Full yield curve approach ⁽¹⁾				
Service cost	4.5	3.1	4.2	3.8
Interest cost	3.4	2.2	3.1	3.1

⁽¹⁾ Represents the weighted average effective interest rate.

2. Recent Accounting Pronouncements

In March 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2016-09, Improvements to Employee Share-Based Payment Accounting ("ASU 2016-09"). ASU 2016-09 simplifies several aspects of the accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities and classification on the statement of cash flows. This ASU is effective for fiscal years, and interim periods within those years, beginning after December 15, 2016. Early adoption is permitted. The Company does not expect the adoption of ASU 2016-09 to have a material impact on its financial statements and related disclosures.

In February 2016, the FASB issued ASU 2016-02, Leases ("ASU 2016-02"). ASU 2016-02 supersedes the lease guidance under FASB Accounting Standards Codification ("ASC") Topic 840, Leases, resulting in the creation of FASB ASC Topic 842, Leases. ASU 2016-02 requires a lessee to recognize in the statement of financial position a liability to make lease payments and a right-of-use asset representing its right to use the underlying asset for the lease term for both finance and operating leases. This ASU is effective for fiscal years, and interim periods within those years, beginning after December 15, 2018. Early adoption is permitted. The Company is currently assessing the potential impact of adopting ASU 2016-02 on its financial statements and related disclosures.

In November 2015, the FASB issued ASU 2015-17, Balance Sheet Classification of Deferred Taxes ("ASU 2015-17"). ASU 2015-17 requires deferred tax liabilities and assets to be classified as noncurrent in a classified statement of financial position. This ASU is effective for fiscal years, and interim periods within those years, beginning after December 15, 2016. Early adoption is permitted. The Company elected to early adopt ASU 2015-17 prospectively during the three months ended March 31, 2016 in accordance with the FASB's disclosure simplification initiatives. The adoption of this ASU resulted in a reclassification from current to noncurrent deferred tax assets and

deferred tax liabilities of \$68 million and \$30 million, respectively. Prior periods were not adjusted.

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In July 2015, the FASB issued ASU 2015-11, Simplifying the Measurement of Inventory ("ASU 2015-11"). ASU 2015-11 applies to inventory that is measured using the first-in, first-out ("FIFO") or average cost method and requires measurement of that inventory at the lower of cost and net realizable value, instead of lower of cost or market. ASU 2015-11 further clarifies the definition of net realizable value as the estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal and transportation. This ASU is effective for fiscal years, and interim periods within those years, beginning after December 15, 2016. Early adoption is permitted. The Company early adopted ASU 2015-11 prospectively during the three months ended March 31, 2016 in accordance with the FASB's disclosure simplification initiatives. The adoption of this ASU did not have a material impact on the Company's financial statements or related disclosures.

In May 2014, the FASB issued ASU 2014-09, Revenue from Contracts with Customers ("ASU 2014-09"). ASU 2014-09 requires entities to recognize revenue in a way that depicts the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled to in exchange for those goods or services. This ASU provides alternative methods of adoption. In August 2015, the FASB issued ASU 2015-14, Revenue from Contracts with Customers, Deferral of the Effective Date ("ASU 2015-14"). ASU 2015-14 defers the effective date of ASU 2014-09 by one year to December 15, 2017 for fiscal years, and interim periods within those years, beginning after that date and permits early adoption of the standard, but not before the original effective date for fiscal years beginning after December 15, 2016. In March, April and May 2016, the FASB issued additional ASUs clarifying certain aspects of ASU 2014-09. The core principle of ASU 2014-09 was not changed by the additional guidance. The Company is currently assessing the potential impact of adopting ASU 2014-09 on its financial statements and related disclosures.

3. Ventures and Variable Interest Entities

Consolidated Variable Interest Entities

In February 2014, the Company formed a joint venture, Fairway Methanol LLC ("Fairway"), with Mitsui & Co., Ltd., of Tokyo, Japan ("Mitsui"), in which the Company owns 50% of Fairway, for the production of methanol at the Company's integrated chemical plant in Clear Lake, Texas. The methanol unit utilizes natural gas in the US Gulf Coast region as a feedstock and benefits from the existing infrastructure at the Company's Clear Lake facility. Both Mitsui and the Company supply their own natural gas to Fairway in exchange for methanol tolling under a cost-plus off-take arrangement.

The Company determined that Fairway is a variable interest entity ("VIE") in which the Company is the primary beneficiary. Under the terms of the joint venture agreements, the Company provides site services and day-to-day operations for the methanol facility. In addition, the joint venture agreements provide that the Company indemnifies Mitsui for environmental obligations that exceed a specified threshold, as well as an equity option between the partners. Accordingly, the Company consolidates the venture and records a noncontrolling interest for the share of the venture owned by Mitsui. Fairway is included in the Company's Acetyl Intermediates segment.

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The carrying amount of the assets and liabilities associated with Fairway included in the unaudited consolidated balance sheets are as follows:

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Cash and cash equivalents	23	7
Trade receivables, net - third party & affiliate	10	12
Property, plant and equipment (net of accumulated depreciation - 2016: \$30; 2015: \$10)	754	772
Intangible assets (net of accumulated amortization - 2016: \$1; 2015: \$0)	26	27
Other assets	10	13
Total assets ⁽¹⁾	823	831
Trade payables	11	9
Other liabilities ⁽²⁾	3	5
Long-term debt	5	5
Deferred income taxes	2	2
Total liabilities	21	21

⁽¹⁾ Assets can only be used to settle the obligations of Fairway.

⁽²⁾ Primarily represents amounts owed by Fairway to the Company for reimbursement of expenditures.

Nonconsolidated Variable Interest Entities

The Company holds variable interests in entities that supply certain raw materials and services to the Company. The variable interests primarily relate to cost-plus contractual arrangements with the suppliers and recovery of capital expenditures for certain plant assets plus a rate of return on such assets. Liabilities for such supplier recoveries of capital expenditures have been recorded as capital lease obligations. The entities are not consolidated because the Company is not the primary beneficiary of the entities as it does not have the power to direct the activities of the entities that most significantly impact the entities' economic performance. The Company's maximum exposure to loss as a result of its involvement with these VIEs as of June 30, 2016 relates primarily to the recovery of capital expenditures for certain property, plant and equipment.

The carrying amount of the assets and liabilities associated with the obligations to nonconsolidated VIEs, as well as the maximum exposure to loss relating to these nonconsolidated VIEs are as follows:

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Property, plant and equipment, net	67	73
Trade payables	49	47
Current installments of long-term debt	10	10
Long-term debt	100	109
Total liabilities	159	166
Maximum exposure to loss	254	268

The difference between the total liabilities associated with obligations to unconsolidated VIEs and the maximum exposure to loss primarily represents take-or-pay obligations for services included in the Company's unconditional purchase obligations (Note 16).

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4. Marketable Securities, at Fair Value

The Company's nonqualified trusts hold available-for-sale securities for funding requirements of the Company's nonqualified pension plans (Note 9) as follows:

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Amortized cost	35	30
Gross unrealized gain	—	—
Gross unrealized loss	—	—
Fair value	35	30

5. Inventories

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Finished goods	464	498
Work-in-process	41	43
Raw materials and supplies	131	141
Total	636	682

6. Current Other Liabilities

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Asset retirement obligations	8	10
Benefit obligations (<u>Note 9</u>)	31	31
Customer rebates	31	45
Derivatives (<u>Note 14</u>)	3	2
Environmental (<u>Note 10</u>)	14	11
Insurance	5	10
Interest	14	16
Restructuring (<u>Note 12</u>)	21	30
Salaries and benefits	73	109
Sales and use tax/foreign withholding tax payable	29	13
Uncertain tax positions (<u>Note 13</u>)	17	—
Other	55	53
Total	301	330

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7. Noncurrent Other Liabilities

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Asset retirement obligations	23	26
Deferred proceeds	43	43
Deferred revenue	11	13
Environmental (<u>Note 10</u>)	53	61
Income taxes payable	6	7
Insurance	50	50
Other	43	47
Total	229	247

8. Debt

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Short-Term Borrowings and Current Installments of Long-Term Debt - Third Party and Affiliates		
Current installments of long-term debt	58	56
Short-term borrowings, including amounts due to affiliates ⁽¹⁾	61	52
Revolving credit facility ⁽²⁾	—	350
Accounts receivable securitization facility ⁽³⁾	—	55
Total	119	513

(1) The weighted average interest rate was 3.5% and 3.3% as of June 30, 2016 and December 31, 2015, respectively.

(2) The weighted average interest rate was 1.8% as of December 31, 2015.

(3) The weighted average interest rate was 0.8% as of December 31, 2015.

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	As of June 30, 2016 (In \$ millions)	As of December 31, 2015
Long-Term Debt		
Senior credit facilities - Term C-2 loan due 2016 ⁽¹⁾	31	30
Senior credit facilities - Term C-3 loan due 2018 ⁽²⁾	876	878
Senior unsecured notes due 2019, interest rate of 3.250%	333	327
Senior unsecured notes due 2021, interest rate of 5.875%	400	400
Senior unsecured notes due 2022, interest rate of 4.625%	500	500
Pollution control and industrial revenue bonds due at various dates through 2030, interest rates ranging from 5.70% to 6.70%	—	169
Pollution control and industrial revenue bonds due at various dates through 2030, interest rates ranging from 4.05% to 5.00%	170	—
Obligations under capital leases due at various dates through 2054	229	238
Subtotal	2,539	2,542
Unamortized debt issuance costs ⁽³⁾	(17)	(18)
Current installments of long-term debt	(58)	(56)
Total	2,464	2,468

(1) The margin for borrowings under the Term C-2 loan facility was 2.0% above the Euro Interbank Offered Rate ("EURIBOR").

(2) The margin for borrowings under the Term C-3 loan facility was 2.25% above LIBOR (for US dollars) and 2.25% above EURIBOR (for Euros), as applicable.

(3) Related to the Company's long-term debt, excluding obligations under capital leases.

Senior Notes

The Company has outstanding senior unsecured notes, issued in public offerings registered under the Securities Act of 1933, as amended (collectively, the "Senior Notes"). The Senior Notes were issued by Celanese US and are guaranteed by Celanese and substantially all of its domestic subsidiaries ("Subsidiary Guarantors").

Senior Credit Facilities

In September 2014, Celanese US, Celanese and the Subsidiary Guarantors amended and restated the credit agreement of Celanese US's existing senior secured credit facilities dated September 16, 2013 (as so amended and restated, the "Amended Credit Agreement"). The Amended Credit Agreement consists of the Term C-2 loan facility, the Term C-3 loan facility and a \$900 million revolving credit facility. The Amended Credit Agreement is guaranteed by Celanese and the Subsidiary Guarantors and is secured by a lien on substantially all assets of Celanese US and such Subsidiary Guarantors.

The Company's debt balances and amounts available for borrowing under its revolving credit facility expiring October 2018 are as follows:

	As of June 30, 2016 (In \$ millions)
Revolving Credit Facility	
Borrowings outstanding ⁽¹⁾	—
Letters of credit issued	—
Available for borrowing ⁽²⁾	900

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- (1) The Company borrowed \$245 million and repaid \$595 million during the six months ended June 30, 2016.
- (2) The margin for borrowings under the revolving credit facility was 1.5% above LIBOR.

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Pollution Control and Industrial Revenue Bonds

On March 3, 2016, the State of Wisconsin Public Finance Authority completed an offering of pollution control and industrial revenue bonds, the proceeds of which were loaned to Celanese US and used to repay the pollution control and industrial revenue bonds previously issued for the benefit of the Company. In connection with the refinancing, the Company recorded deferred financing costs of \$2 million during the three months ended March 31, 2016, which are being amortized over the terms of the Bonds. The Company accelerated amortization of deferred financing costs and other expenses of \$2 million related to the refinancing, which are included in Refinancing expense in the unaudited interim consolidated statements of operations.

Accounts Receivable Securitization Facility

The Company has a US accounts receivable securitization facility involving receivables of certain US subsidiaries of the Company transferred to a wholly-owned, "bankruptcy remote" special purpose subsidiary of the Company ("SPE"). The securitization facility, which permits cash borrowings and letters of credit, expires on August 28, 2016, but may be extended for successive one year terms by agreement of the parties. All of the SPE's assets have been pledged to the administrative agent in support of the SPE's obligations under the facility.

The Company's debt balances and amounts available for borrowing under its securitization facility are as follows:

	As of	
	June 30,	
	2016	
	(In \$ millions)	
Accounts Receivable Securitization Facility		
Borrowings outstanding ⁽¹⁾	—	
Letters of credit issued	52	
Available for borrowing	56	
Total borrowing base	108	
Maximum borrowing base ⁽²⁾	120	

⁽¹⁾ The Company repaid \$55 million during the six months ended June 30, 2016.

⁽²⁾ Outstanding accounts receivable transferred to the SPE was \$145 million.

Covenants

The Company's material financing arrangements contain customary covenants and events of default, including the maintenance of certain financial ratios. Failure to comply with these covenants, or the occurrence of an event of default, could result in acceleration of repayments of the borrowings and other obligations under these financing arrangements.

As a condition to borrowing funds or requesting letters of credit under the revolving credit facility, the Company's first lien senior secured leverage ratio cannot exceed the threshold as specified below. Further, the Company's first lien senior secured leverage ratio must be maintained at or below that threshold while any amounts are outstanding under the revolving credit facility.

The Company's first lien senior secured leverage ratios under the Amended Credit Agreement are as follows:

As of June 30, 2016

Maximum Estimate Estimate, If Fully Drawn

3.90 0.65 1.28

The Company is in compliance with all of the covenants related to its debt agreements as of June 30, 2016.

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9. Benefit Obligations

Beginning in 2016, the Company elected to use a full yield curve approach in the estimation of the service and interest cost components of net periodic benefit cost by applying the specific spot rates along the yield curve used in the determination of the benefit obligation to the relevant projected cash flows (Note 1). The Company's adoption of the full yield curve approach will reduce 2016 service and interest cost by approximately \$29 million as compared to the previous method.

The components of net periodic benefit cost are as follows:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2016	2015	2016	2015
	Pension Benefits	Post-retirement Benefits	Pension Benefits	Post-retirement Benefits
	(In \$ millions)			
Service cost	2	—	3	1
Interest cost	28	—	36	—
Expected return on plan assets	(44)	—	(53)	—
Recognized actuarial (gain) loss	—	—	—	1
Amortization of prior service cost (credit), net	—	(1)	—	—
Special termination benefit	2	—	—	—
Total	(12)	(1)	(14)	2

Benefit obligation funding is as follows:

	As of Total June Expected 30, 2016 2016	
	(In \$ millions)	
Cash contributions to defined benefit pension plans	13	23
Benefit payments to nonqualified pension plans	11	22
Benefit payments to other postretirement benefit plans	2	4
Cash contributions to German multiemployer defined benefit pension plans ⁽¹⁾	4	8

⁽¹⁾ The Company makes contributions based on specified percentages of employee contributions.

The Company's estimates of its US defined benefit pension plan contributions reflect the provisions of the Pension Protection Act of 2006.

10. Environmental

The Company is subject to environmental laws and regulations worldwide that impose limitations on the discharge of pollutants into the air and water, establish standards for the treatment, storage and disposal of solid and hazardous wastes, and impose record keeping and notification requirements. Failure to timely comply with these laws and regulations may expose the Company to penalties. The Company believes that it is in substantial compliance with all applicable environmental laws and regulations and engages in an on going process of updating its controls to mitigate compliance risks. The Company is also subject to retained environmental obligations specified in various contractual agreements arising from the divestiture of certain businesses by the Company or one of its predecessor companies.

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The components of environmental remediation reserves are as follows:

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Demerger obligations (<u>Note 16</u>)	19	22
Divestiture obligations (<u>Note 16</u>)	16	17
Active sites	17	18
US Superfund sites	13	13
Other environmental remediation reserves	2	2
Total	67	72

Remediation

Due to its industrial history and through retained contractual and legal obligations, the Company has the obligation to remediate specific areas on its own sites as well as on divested, demerger, orphan or US Superfund sites (as defined below). In addition, as part of the demerger agreement between the Company and Hoechst AG ("Hoechst"), a specified portion of the responsibility for environmental liabilities from a number of Hoechst divestitures was transferred to the Company (Note 16). The Company provides for such obligations when the event of loss is probable and reasonably estimable. The Company believes that environmental remediation costs will not have a material adverse effect on the financial position of the Company, but may have a material adverse effect on the results of operations or cash flows in any given period.

US Superfund Sites

In the US, the Company may be subject to substantial claims brought by US federal or state regulatory agencies or private individuals pursuant to statutory authority or common law. In particular, the Company has a potential liability under the US Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, and related state laws (collectively referred to as "Superfund") for investigation and cleanup costs at certain sites. At most of these sites, numerous companies, including the Company, or one of its predecessor companies, have been notified that the US Environmental Protection Agency ("EPA"), state governing bodies or private individuals consider such companies to be potentially responsible parties ("PRP") under Superfund or related laws. The proceedings relating to these sites are in various stages. The cleanup process has not been completed at most sites, and the status of the insurance coverage for some of these proceedings is uncertain. Consequently, the Company cannot accurately determine its ultimate liability for investigation or cleanup costs at these sites.

As events progress at each site for which it has been named a PRP, the Company accrues, as appropriate, a liability for site cleanup. Such liabilities include all costs that are probable and can be reasonably estimated. In establishing these liabilities, the Company considers its shipment of waste to a site, its percentage of total waste shipped to the site, the types of wastes involved, the conclusions of any studies, the magnitude of any remedial actions that may be necessary and the number and viability of other PRPs. Often the Company joins with other PRPs to sign joint defense agreements that settle, among PRPs, each party's percentage allocation of costs at the site. Although the ultimate liability may differ from the estimate, the Company routinely reviews the liabilities and revises the estimate, as appropriate, based on the most current information available.

One such site is the Lower Passaic River Study Area, which is the lower 17-mile stretch of the Passaic River ("Site"). The Company and 70 other companies are parties to a May 2007 Administrative Order on Consent with the EPA to perform a Remedial Investigation/Feasibility Study ("RI/FS") at the Site in order to identify the levels of contaminants and potential cleanup actions. Work on the RI/FS is ongoing, with a goal to complete it in 2017. On March 3, 2016, the EPA issued its final record of decision concerning the remediation of the lower 8.3 miles of the Site ("Lower 8.3 Miles"). The Company owned and/or operated facilities in the vicinity of the Lower 8.3 Miles, but has found no evidence that it contributed any of the primary contaminants of concern to the Passaic River. Pursuant to the EPA's record of decision, the Lower 8.3 Miles must be dredged bank to bank and an engineered cap must be

installed at an estimated cost of approximately \$1.4 billion. The Company is vigorously defending this matter and currently believes that its ultimate allocable share of the cleanup costs, estimated at less than 1%, will not be material.

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11. Stockholders' Equity

Common Stock

The Company's Board of Directors follows a policy of declaring, subject to legally available funds, a quarterly cash dividend on each share of the Company's Series A common stock, par value \$0.0001 per share ("Common Stock"), unless the Company's Board of Directors, in its sole discretion, determines otherwise. The amount available to pay cash dividends is restricted by the Company's Amended Credit Agreement and the Indentures.

The Company's Board of Directors approved increases in the Company's Common Stock cash dividend rates as follows:

Increase (In percentages)	Quarterly Common Stock Cash Dividend (In \$ per share)	Annual Common Stock Cash Dividend	Effective Date		Six Months Ended June 30,	Total From February 2008 Through June 30, 2016
April 2015 20	0.30	1.20	May 2015		2016	2015
April 2016 20	0.36	1.44	May 2016			
Treasury Stock						
Shares repurchased					2,821,140	30,128,936
Average purchase price per share					\$70.89	\$ 50.96
Cash paid for repurchased shares (in millions)					\$200	\$ 1,535
Aggregate Board of Directors repurchase authorizations during the period (in millions) ⁽¹⁾					\$—	\$ 2,366

⁽¹⁾ These authorizations give management discretion in determining the timing and conditions under which shares may be repurchased. This repurchase program began in February 2008 and does not have an expiration date. The purchase of treasury stock reduces the number of shares outstanding. The repurchased shares may be used by the Company for compensation programs utilizing the Company's stock and other corporate purposes. The Company accounts for treasury stock using the cost method and includes treasury stock as a component of stockholders' equity.

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Other Comprehensive Income (Loss), Net

	Three Months Ended June 30,			
	2016		2015	
	Income		Income	
	Gross Tax	Net	Gross Tax	Net
	Amount (Provision)	Amount	Amount (Provision)	Amount
	Benefit		Benefit	
	(In \$ millions)			
Unrealized gain (loss) on marketable securities	—	—	—	(1)
Foreign currency translation	(17)	(1)	(18)	33 4
Gain (loss) on cash flow hedges	1	—	1	—
Pension and postretirement benefits	(1)	—	(1)	— 4
Total	(17)	(1)	(18)	34 7
	Six Months Ended June 30,			
	2016		2015	
	Income		Income	
	Gross Tax	Net	Gross Tax	Net
	Amount (Provision)	Amount	Amount (Provision)	Amount
	Benefit		Benefit	
	(In \$ millions)			
Unrealized gain (loss) on marketable securities	1	—	1	—
Foreign currency translation	53	(7)	46	(117) (2)
Gain (loss) on cash flow hedges	1	—	1	4 (1)
Pension and postretirement benefits	(1)	—	(1)	— 1
Total	54	(7)	47	(113) (3)

Adjustments to Accumulated other comprehensive income (loss), net, are as follows:

	Unrealized Gain (Loss) on Foreign Currency Marketable Securities (Note 4)	Gain (Loss) on Cash Flow Hedges (Note 14)	Pension and Postretirement Benefits (Note 9)	Accumulated Other Comprehensive Income (Loss), Net
As of December 31, 2015	1 (339)	(2)	(8)	(348)
Other comprehensive income (loss) before reclassifications	1 53	1	—	55
Amounts reclassified from accumulated other comprehensive income (loss)	—	—	(1)	(1)
Income tax (provision) benefit	—(7)	—	—	(7)
As of June 30, 2016	2 (293)	(1)	(9)	(301)

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12. Other (Charges) Gains, Net

	Three Months Ended June 30, 2016	Six Months Ended June 30, 2016	2015
	(In \$ millions)		
Employee termination benefits	(3)	(10)	(8) ⁽¹⁾ (14)
Asset impairments	(1)	—	(1) —
Commercial disputes	—	—	— (1)
Total	(4)	(10)	(9) (15)

(1) Includes \$3 million of special termination benefits included in Benefit obligations in the unaudited consolidated balance sheets.

During the six months ended June 30, 2016 and 2015, the Company recorded \$8 million and \$14 million, respectively, of employee termination benefits primarily related to the Company's ongoing efforts to align its businesses around its core value drivers.

During the three months ended June 30, 2015, the Company also recorded \$39 million in accelerated depreciation expense related to property, plant and equipment no longer in use at the Company's ethanol technology development unit in Clear Lake, Texas. The Company believes that further development of its ethanol technology can be achieved through the utilization of other existing assets. The accelerated depreciation is included in Research and development expenses in the unaudited interim consolidated statements of operations and is included in the Company's Acetyl Intermediates segment.

The changes in the restructuring reserves by business segment are as follows:

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other	Total
	(In \$ millions)					
Employee Termination Benefits						
As of December 31, 2015	3	14	6	1	6	30
Additions	1	—	2	—	2	5
Cash payments	(2)	(4)	(5)	—	(3)	(14)
Other changes	—	—	—	—	—	—
Exchange rate changes	—	—	—	—	—	—
As of June 30, 2016	2	10	3	1	5	21
Other Plant/Office Closures						
As of December 31, 2015	—	—	—	—	—	—
Additions	—	—	—	—	—	—
Cash payments	—	—	—	—	—	—
Other changes	—	—	—	—	—	—
Exchange rate changes	—	—	—	—	—	—
As of June 30, 2016	—	—	—	—	—	—
Total	2	10	3	1	5	21

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13. Income Taxes

	Three	Six		
	Months	Months		
	Ended	Ended		
	June 30,	June 30,		
	2016	2015	2016	2015

(In percentages)

Effective income tax rate	19	11	19	18
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The higher effective income tax rate for the three months ended June 30, 2016 compared to the same period in 2015 is primarily due to prior year tax benefits related to remeasurement of prior year tax positions due to audit closures and technical clarifications in certain jurisdictions of \$30 million which did not recur in the current year. The effective income tax rate for the six months ended June 30, 2016 was comparable to the same period in 2015 as the reduction in prior year tax benefits was offset by changes in mix of jurisdictional earnings.

For the six months ended June 30, 2016, the Company's uncertain tax positions decreased \$6 million, primarily due to exchange rate fluctuations.

The Company's US tax returns for the years 2009 through 2012 are currently under audit by the US Internal Revenue Service and certain of the Company's subsidiaries are under audit in jurisdictions outside of the US. In connection with the Company's US federal income tax audit for 2009 and 2010, the Company has received \$192 million of proposed pre-tax adjustments related to various intercompany charges. In the event the Company is wholly unsuccessful in its defense, an actual tax assessment would result in the consumption of up to \$67 million of prior foreign tax credit carryforwards. The Company believes these proposed adjustments to be without merit and is vigorously defending its position.

14. Derivative Financial Instruments

Interest Rate Swaps

During 2014, the Company fixed the LIBOR portion of its US dollar denominated variable rate borrowings ([Note 8](#)) with interest rate swap derivative arrangements. The interest rate swaps with a notional value of \$500 million expired on January 2, 2016.

Foreign Currency Forwards and Swaps

Gross notional values of the foreign currency forwards and swaps are as follows:

As of	As of
June 30,	December 31,
2016	2015

(In \$ millions)

Total	536	502
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Cross-currency Swaps

In March 2015, the Company settled its cross-currency swap agreements with notional values of \$250 million/€193 million, expiring September 11, 2020, and \$225 million/€162 million, expiring April 17, 2019, in exchange for cash of \$88 million. The Company recorded a net loss of \$1 million, which is included in Other income (expense), net in the unaudited interim consolidated statement of operations. The Company classifies cash flows from derivative instruments designated as cash flow hedges in the same category of the consolidated statement of cash flows as the cash flows from the items being hedged. Accordingly, the settlement of the cross-currency swap agreements is included in Net cash provided by (used in) operating activities in the unaudited interim consolidated statement of cash flows for the six months ended June 30, 2015.

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Information regarding changes in the fair value of the Company's derivative and non-derivative instruments is as follows:

	Gain (Loss) Recognized in Other Comprehensive Income (Loss) Three Months Ended June 30, 2016	Gain (Loss) Recognized in Earnings (Loss) 2015	2016	2015	Statement of Operations Classification
	(In \$ millions)				
Designated as Cash Flow Hedges					
Commodity swaps	1	—	—	—	Cost of sales
Cross-currency swaps	—	—	—	—	Other income (expense), net; Interest expense
Total	1	—	—	—	
Designated as Net Investment Hedges					
3.250% Notes ⁽¹⁾	7	(13)	—	—	Foreign currency translation
Term C-2 and Term C-3 loans ⁽²⁾	—	(8)	—	—	Foreign currency translation
Total	7	(21)	—	—	
Not Designated as Hedges					
Interest rate swaps	—	—	(1)	)	Interest expense
Foreign currency forwards and swaps	—	6	—	—	Foreign exchange gain (loss), net; Other income (expense), net
Total	—	6	(1))	

(1) During the three months ended June 30, 2016, the Company redesignated €200 million of its 3.250% Notes as a net investment hedge.

(2) During the three months ended December 31, 2015, the Company dedesignated the Euro-based principal amount of its Term C-3 loan as a net investment hedge.

	Gain (Loss) Recognized in Other Comprehensive Income (Loss) Six Months Ended June 30, 2016	Gain (Loss) Recognized in Earnings (Loss) 2015	2016	2015	Statement of Operations Classification
	(In \$ millions)				
Designated as Cash Flow Hedges					
Commodity swaps	1	—	—	—	Cost of sales
Cross-currency swaps	—	—	—	46	Other income (expense), net; Interest expense
Total	1	—	—	46	

Designated as Net Investment
Hedges

3.250% Notes ⁽¹⁾	2	28	—	—	Foreign currency translation
Term C-2 and Term C-3 loans	(1)	—	—	—	Foreign currency translation
Total	1	28	—	—	

Not Designated as Hedges

Interest rate swaps	—	—	—	(1	)	Interest expense
Foreign currency forwards and swaps	—	—	13	(68	)	Foreign exchange gain (loss), net; Other income (expense), net
Total	—	—	13	(69)	

⁽¹⁾ During the three months ended March 31, 2016, the Company dedesignated €260 million of its 3.250% Notes as a net investment hedge.

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See Note 15 - Fair Value Measurements for further information regarding the fair value of the Company's derivative instruments.

Certain of the Company's commodity swaps, and foreign currency forwards and swaps permit the Company to net settle all contracts with the counterparty through a single payment in an agreed upon currency in the event of default or early termination of the contract, similar to a master netting arrangement.

Information regarding the gross amounts of the Company's derivative instruments and the amounts offset in the unaudited consolidated balance sheets is as follows:

	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Derivative Assets		
Gross amount recognized	10	2
Gross amount offset in the consolidated balance sheets	—	—
Net amount presented in the consolidated balance sheets	10	2
Gross amount not offset in the consolidated balance sheets	2	—
Net amount	8	2
	As of June 30, 2016	As of December 31, 2015
	(In \$ millions)	
Derivative Liabilities		
Gross amount recognized	3	2
Gross amount offset in the consolidated balance sheets	—	—
Net amount presented in the consolidated balance sheets	3	2
Gross amount not offset in the consolidated balance sheets	2	—
Net amount	1	2

15. Fair Value Measurements

The Company's financial assets and liabilities are measured at fair value on a recurring basis as follows:

Derivatives. Derivative financial instruments, including commodity swaps, interest rate swaps, cross-currency swaps and foreign currency forwards and swaps, are valued in the market using discounted cash flow techniques. These techniques incorporate Level 1 and Level 2 fair value measurement inputs such as spot rates, interest rates and foreign currency exchange rates. These market inputs are utilized in the discounted cash flow calculation considering the instrument's term, notional amount, discount rate and credit risk. Significant inputs to the derivative valuation for commodity swaps, interest rate swaps, cross-currency swaps and foreign currency forwards and swaps are observable in the active markets and are classified as Level 2 in the fair value measurement hierarchy.

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	Fair Value Measurement		
	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Total Balance Sheet Classification
	(In \$ millions)		
As of June 30, 2016			
Derivatives Designated as Cash Flow Hedges			
Commodity swaps	—4	1	Current Other assets
Derivatives Not Designated as Hedges			
Foreign currency forwards and swaps	—9	9	Current Other assets
Total assets	—40	10	
Designated as Net Investment Hedges			
3.250% Notes ⁽¹⁾	—	—	Long-term Debt
Term C-2 loans ⁽¹⁾	—	—	Long-term Debt
Derivatives Not Designated as Hedges			
Foreign currency forwards and swaps	—(3)	(3)	Current Other liabilities
Total liabilities	—(3)	(3)	
As of December 31, 2015			
Derivatives Not Designated as Hedges			
Foreign currency forwards and swaps	—2	2	Current Other assets
Total assets	—2	2	
Designated as a Net Investment Hedge			
3.250% Notes ⁽¹⁾	—	—	Long-term Debt
Term C-2 loans ⁽¹⁾	—	—	Long-term Debt
Derivatives Not Designated as Hedges			
Foreign currency forwards and swaps	—(2)	(2)	Current Other liabilities
Total liabilities	—(2)	(2)	

⁽¹⁾ Included in the unaudited consolidated balance sheets at carrying amount.

Carrying values and fair values of financial instruments that are not carried at fair value are as follows:

	Fair Value Measurement			
	Carrying Amount	Significant Other Observable Inputs (Level 2)	Unobservable Inputs (Level 3)	Total
	(In \$ millions)			
As of June 30, 2016				
Cost investments	151	—	—	—
Insurance contracts in nonqualified trusts	51	51	—	51

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Long-term debt, including current installments of long-term debt	2,539	2,427	229	2,656
As of December 31, 2015				
Cost investments	151	—	—	—
Insurance contracts in nonqualified trusts	55	55	—	55
Long-term debt, including current installments of long-term debt	2,542	2,348	238	2,586

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In general, the cost investments included in the table above are not publicly traded and their fair values are not readily determinable; however, the Company believes the carrying values approximate or are less than the fair values. Insurance contracts in nonqualified trusts consist of long-term fixed income securities, which are valued using independent vendor pricing models with observable inputs in the active market and therefore represent a Level 2 fair value measurement. The fair value of long-term debt is based on valuations from third-party banks and market quotations and is classified as Level 2 in the fair value measurement hierarchy. The fair value of obligations under capital leases, which are included in long-term debt, is based on lease payments and discount rates, which are not observable in the market and therefore represents a Level 3 fair value measurement.

As of June 30, 2016 and December 31, 2015, the fair values of cash and cash equivalents, receivables, trade payables, short-term borrowings and the current installments of long-term debt approximate carrying values due to the short-term nature of these instruments. These items have been excluded from the table with the exception of the current installments of long-term debt.

16. Commitments and Contingencies

Commitments

Guarantees

The Company has agreed to guarantee or indemnify third parties for environmental and other liabilities pursuant to a variety of agreements, including asset and business divestiture agreements, leases, settlement agreements and various agreements with affiliated companies. Although many of these obligations contain monetary and/or time limitations, others do not provide such limitations. The Company has accrued for all probable and reasonably estimable losses associated with all known matters or claims. These known obligations include the following:

Demerger Obligations

In connection with the Hoechst demerger, the Company agreed to indemnify Hoechst, and its legal successors, for various liabilities under the demerger agreement, including for environmental liabilities associated with contamination arising either from environmental damage in general ("Category A") or under 19 divestiture agreements entered into by Hoechst prior to the demerger ("Category B") (Note 10).

The Company's obligation to indemnify Hoechst, and its legal successors, is capped under Category B at €250 million. If and to the extent the environmental damage should exceed €750 million in aggregate, the Company's obligation to indemnify Hoechst and its legal successors applies, but is then limited to 33.33% of the remediation cost without further limitations. Cumulative payments under the divestiture agreements as of June 30, 2016 are \$73 million. Most of the divestiture agreements have become time barred and/or any notified environmental damage claims have been partially settled.

The Company has also undertaken in the demerger agreement to indemnify Hoechst and its legal successors for (i) 33.33% of any and all Category A liabilities that result from Hoechst being held as the responsible party pursuant to public law or current or future environmental law or by third parties pursuant to private or public law related to contamination and (ii) liabilities that Hoechst is required to discharge, including tax liabilities, which are associated with businesses that were included in the demerger but were not demerged due to legal restrictions on the transfers of such items. These indemnities do not provide for any monetary or time limitations. The Company has not been requested by Hoechst to make any payments in connection with this indemnification. Accordingly, the Company has not made any payments to Hoechst and its legal successors.

Based on the Company's evaluation of currently available information, including the lack of requests for indemnification, the Company cannot estimate the Possible Loss for the remaining demerger obligations, if any, in excess of amounts accrued.

Divestiture Obligations

The Company and its predecessor companies agreed to indemnify third-party purchasers of former businesses and assets for various pre-closing conditions, as well as for breaches of representations, warranties and covenants. Such liabilities also include environmental liability, product liability, antitrust and other liabilities. These indemnifications and guarantees represent standard contractual terms associated with typical divestiture agreements and, other than environmental liabilities, the Company does not believe that they expose the Company to any significant risk (Note 10).

The Company has divested numerous businesses, investments and facilities through agreements containing indemnifications or guarantees to the purchasers. Many of the obligations contain monetary and/or time limitations, which extend through 2037.

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The aggregate amount of outstanding indemnifications and guarantees provided for under these agreements is \$202 million as of June 30, 2016. Other agreements do not provide for any monetary or time limitations.

Based on the Company's evaluation of currently available information, including the number of requests for indemnification or other payment received by the Company, the Company cannot estimate the Possible Loss for the remaining divestiture obligations, if any, in excess of amounts accrued.

Purchase Obligations

In the normal course of business, the Company enters into various purchase commitments for goods and services. The Company maintains a number of "take-or-pay" contracts for purchases of raw materials, utilities and other services. Certain of the contracts contain a contract termination buy-out provision that allows for the Company to exit the contracts for amounts less than the remaining take-or-pay obligations. The Company does not expect to incur any material losses under take-or-pay contractual arrangements. Additionally, the Company has other outstanding commitments representing maintenance and service agreements, energy and utility agreements, consulting contracts and software agreements. As of June 30, 2016, the Company had unconditional purchase obligations of \$2.8 billion, which extend through 2036.

Contingencies

The Company is involved in legal and regulatory proceedings, lawsuits, claims and investigations incidental to the normal conduct of business, relating to such matters as product liability, land disputes, commercial contracts, employment, antitrust, intellectual property, workers' compensation, chemical exposure, asbestos exposure, taxes, trade compliance, prior acquisitions and divestitures, claims of legacy stockholders, past waste disposal practices and release of chemicals into the environment. The Company is actively defending those matters where the Company is named as a defendant and, based on the current facts, does not believe the outcomes from these matters would be material to our results of operations, cash flows or financial position.

17. Segment Information

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Eliminations	Consolidated
(In \$ millions)							
Three Months Ended June 30, 2016							
Net sales	365	235	262	(1) 592	(1) —	(103)	1,351
Other (charges) gains, net (Note 12)	(1)	—	(2)	(1)	—	—	(4)
Operating profit (loss)	82	80	29	77	(26)	1	243
Equity in net earnings (loss) of affiliates	27	—	—	2	6	—	35
Depreciation and amortization	25	11	8	27	2	—	73
Capital expenditures	19	9	12	14	2	—	56 (2)
Three Months Ended June 30, 2015							
Net sales	346	249	287	(1) 707	(1) —	(112)	1,477
Other (charges) gains, net (Note 12)	(3)	(1)	(1)	(1)	(4)	—	(10)
Operating profit (loss)	67	77	28	54	(38)	—	188
Equity in net earnings (loss) of affiliates	31	1	—	1	7	—	40
Depreciation and amortization	24	12	9	57	(3) 3	—	105
Capital expenditures	16	11	13	112	1	—	153 (2)

Net sales for Acetyl Intermediates and Industrial Specialties include intersegment sales of \$102 million and \$1 million, respectively, for the three months ended June 30, 2016 and \$112 million and \$0 million, respectively, for the three months ended June 30, 2015.

(2) Includes a decrease in accrued capital expenditures of \$2 million and \$12 million for the three months ended June 30, 2016 and 2015, respectively.

⁽³⁾ See Note 12 - Other (Charges) Gains, Net for further information.

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	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Elimination	Consolidated	
(In \$ millions)								
Six Months Ended June 30, 2016								
Net sales	715	479	515	(1) 1,255	(1) —	(209	) 2,755
Other (charges) gains, net (<u>Note 12</u>)	(2) —	(3) (1) (3) —	(9)
Operating profit (loss)	170	158	60	191	(50	) 1	530
Equity in net earnings (loss) of affiliates	58	1	—	3	11	—	73	
Depreciation and amortization	49	22	16	54	5	—	146	
Capital expenditures	38	18	30	23	5	—	114	(2)
As of June 30, 2016								
Goodwill and intangible assets, net	341	249	48	194	—	—	832	
Total assets	2,429	1,445	738	2,321	1,315	—	8,248	
Six Months Ended June 30, 2015								
Net sales	689	476	569	(1) 1,420	(1) —	(227	) 2,927
Other (charges) gains, net (<u>Note 12</u>)	(4) (1) (2) (2) (6) —	(15)
Operating profit (loss)	126	139	57	185	(62	) —	445
Equity in net earnings (loss) of affiliates	74	1	—	2	11	—	88	
Depreciation and amortization	49	23	19	76	(3) 5	—	172	
Capital expenditures	33	37	19	208	2	—	299	(2)
As of December 31, 2015								
Goodwill and intangible assets, net	338	249	49	194	—	—	830	
Total assets	2,324	1,458	747	2,387	1,670	—	8,586	

Net sales for Acetyl Intermediates and Industrial Specialties include intersegment sales of \$208 million and \$1 million, respectively, for the six months ended June 30, 2016 and \$227 million and \$0 million, respectively, for the six months ended June 30, 2015.

(2) Includes a decrease in accrued capital expenditures of \$14 million and \$28 million for the six months ended June 30, 2016 and 2015, respectively.

(3) See Note 12 - Other (Charges) Gains, Net for further information.

18. Earnings (Loss) Per Share

	Three Months Ended June 30,		Six Months Ended June 30,		
	2016	2015	2016	2015	
(In \$ millions, except share data)					
Amounts attributable to Celanese Corporation					
Earnings (loss) from continuing operations	221	207	477	443	
Earnings (loss) from discontinued operations	—	(2) 1	(2)
Net earnings (loss)	221	205	478	441	
Weighted average shares - basic	146,482,612	153,480,175	146,947,923	153,349,071	
Incremental shares attributable to equity awards	583,076	510,758	644,608	596,395	

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Weighted average shares - diluted 147,065,688 153,990,933 147,592,531 153,945,466

During the three and six months ended June 30, 2016, there were no anti-dilutive equity awards excluded from the computation of diluted net earnings per share. During the same periods in 2015, there were 0 and 644 equity award shares, respectively, excluded from the computation of diluted net earnings per share.

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19. Consolidating Guarantor Financial Information

The Senior Notes were issued by Celanese US ("Issuer") and are guaranteed by Celanese Corporation ("Parent Guarantor") and the Subsidiary Guarantors (Note 8). The Issuer and Subsidiary Guarantors are 100% owned subsidiaries of the Parent Guarantor. The Parent Guarantor and Subsidiary Guarantors have guaranteed the Notes fully and unconditionally and jointly and severally.

For cash management purposes, the Company transfers cash between the Parent Guarantor, Issuer, Subsidiary Guarantors and non-guarantors through intercompany financing arrangements, contributions or declaration of dividends between the respective parent and its subsidiaries. The transfer of cash under these activities facilitates the ability of the recipient to make specified third-party payments for principal and interest on the Company's outstanding debt, Common Stock dividends and Common Stock repurchases. The unaudited interim consolidating statements of cash flows for the six months ended June 30, 2016 and 2015 present such intercompany financing activities, contributions and dividends consistent with how such activity would be presented in a stand-alone statement of cash flows.

The Company has not presented separate financial information and other disclosures for each of its Subsidiary Guarantors because it believes such financial information and other disclosures would not provide investors with any additional information that would be material in evaluating the sufficiency of the guarantees.

The unaudited interim consolidating financial statements for the Parent Guarantor, the Issuer, the Subsidiary Guarantors and the non-guarantors are as follows:

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF OPERATIONS

	Three Months Ended June 30, 2016					
	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net sales	—	—	536	1,073	(258)	) 1,351
Cost of sales	—	—	(415)	) (865)	) 267	(1,013)
Gross profit	—	—	121	208	9	338
Selling, general and administrative expenses	—	—	(5)	) (66)	) —	(71)
Amortization of intangible assets	—	—	(1)	) (1)	) —	(2)
Research and development expenses	—	—	(8)	) (11)	) —	(19)
Other (charges) gains, net	—	—	(1)	) (3)	) —	(4)
Foreign exchange gain (loss), net	—	—	—	(1)	) —	(1)
Gain (loss) on disposition of businesses and assets, net	—	—	(2)	) 4	—	2
Operating profit (loss)	—	—	104	130	9	243
Equity in net earnings (loss) of affiliates	222	218	130	34	(569)	) 35
Interest expense	—	9	(36)	) (6)	) 3	(30)
Refinancing expense	—	—	—	—	—	—
Interest income	—	2	1	1	(4)) —
Dividend income - cost investments	—	—	—	29	—	29
Other income (expense), net	—	(1)	) —	(1)	) —	(2)
Earnings (loss) from continuing operations before tax	222	228	199	187	(561)	) 275
Income tax (provision) benefit	—	(6)	) (10)	) (34)	) (2)	) (52)
Earnings (loss) from continuing operations	222	222	189	153	(563)	) 223
Earnings (loss) from operation of discontinued operations	—	—	—	—	—	—
Income tax (provision) benefit from discontinued operations	—	—	—	—	—	—
Earnings (loss) from discontinued operations	—	—	—	—	—	—
Net earnings (loss)	222	222	189	153	(563)	) 223
Net (earnings) loss attributable to noncontrolling interests	—	—	—	(2)	) —	(2)
Net earnings (loss) attributable to Celanese Corporation	222	222	189	151	(563)) 221

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF OPERATIONS

Three Months Ended June 30, 2015

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net sales	—	—	674	1,174	(371)	1,477
Cost of sales	—	—	(474)	(1,011)	383	(1,102)
Gross profit	—	—	200	163	12	375
Selling, general and administrative expenses	—	—	(29)	(77)	—	(106)
Amortization of intangible assets	—	—	(2)	(1)	—	(3)
Research and development expenses	—	—	(49)	(10)	—	(59)
Other (charges) gains, net	—	—	—	(10)	—	(10)
Foreign exchange gain (loss), net	—	—	—	(3)	—	(3)
Gain (loss) on disposition of businesses and assets, net	—	—	(1)	(5)	—	(6)
Operating profit (loss)	—	—	119	57	12	188
Equity in net earnings (loss) of affiliates	206	244	114	35	(559)	40
Interest expense	—	(41)	(8)	(8)	27	(30)
Refinancing expense	—	—	—	—	—	—
Interest income	—	5	20	3	(27)	1
Dividend income - cost investments	—	—	—	26	—	26
Other income (expense), net	—	—	1	1	—	2
Earnings (loss) from continuing operations before tax	206	208	246	114	(547)	227
Income tax (provision) benefit	(1)	(2)	(29)	9	(1)	(24)
Earnings (loss) from continuing operations	205	206	217	123	(548)	203
Earnings (loss) from operation of discontinued operations	—	—	(3)	—	—	(3)
Income tax (provision) benefit from discontinued operations	—	—	1	—	—	1
Earnings (loss) from discontinued operations	—	—	(2)	—	—	(2)
Net earnings (loss)	205	206	215	123	(548)	201
Net (earnings) loss attributable to noncontrolling interests	—	—	—	4	—	4
Net earnings (loss) attributable to Celanese Corporation	205	206	215	127	(548)	205

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF OPERATIONS

	Six Months Ended June 30, 2016					
	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net sales	—	—	1,119	2,212	(576)	) 2,755
Cost of sales	—	—	(856)	(1,756)	585	(2,027)
Gross profit	—	—	263	456	9	728
Selling, general and administrative expenses	—	—	(22)	(129)	—	(151)
Amortization of intangible assets	—	—	(2)	(2)	—	(4)
Research and development expenses	—	—	(16)	(22)	—	(38)
Other (charges) gains, net	—	—	(1)	(8)	—	(9)
Foreign exchange gain (loss), net	—	—	—	2	—	2
Gain (loss) on disposition of businesses and assets, net	—	—	(3)	5	—	2
Operating profit (loss)	—	—	219	302	9	530
Equity in net earnings (loss) of affiliates	478	492	303	71	(1,271)	) 73
Interest expense	—	(6)	(51)	(14)	8	(63)
Refinancing expense	—	—	(2)	—	—	(2)
Interest income	—	4	2	3	(8)	) 1
Dividend income - cost investments	—	—	—	56	—	56
Other income (expense), net	—	(1)	—	(1)	—	(2)
Earnings (loss) from continuing operations before tax	478	489	471	417	(1,262)	) 593
Income tax (provision) benefit	—	(11)	(40)	(59)	(2)	) (112)
Earnings (loss) from continuing operations	478	478	431	358	(1,264)	) 481
Earnings (loss) from operation of discontinued operations	—	—	—	1	—	1
Income tax (provision) benefit from discontinued operations	—	—	—	—	—	—
Earnings (loss) from discontinued operations	—	—	—	1	—	1
Net earnings (loss)	478	478	431	359	(1,264)	) 482
Net (earnings) loss attributable to noncontrolling interests	—	—	—	(4)	—	(4)
Net earnings (loss) attributable to Celanese Corporation	478	478	431	355	(1,264)) 478

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF OPERATIONS

Six Months Ended June 30, 2015

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net sales	—	—	1,332	2,307	(712)	) 2,927
Cost of sales	—	—	(905)	(1,995)	) 729	(2,171)
Gross profit	—	—	427	312	17	756
Selling, general and administrative expenses	—	—	(53)	(151)	) —	(204)
Amortization of intangible assets	—	—	(3)	(3)	) —	(6)
Research and development expenses	—	—	(59)	(20)	) —	(79)
Other (charges) gains, net	—	—	(3)	(12)	) —	(15)
Foreign exchange gain (loss), net	—	—	—	—	—	—
Gain (loss) on disposition of businesses and assets, net	—	—	(3)	(4)	) —	(7)
Operating profit (loss)	—	—	306	122	17	445
Equity in net earnings (loss) of affiliates	441	523	206	75	(1,157)	) 88
Interest expense	—	(84)	(13)	(20)	) 60	(57)
Refinancing expense	—	—	—	—	—	—
Interest income	—	13	39	9	(60)	) 1
Dividend income - cost investments	—	—	—	54	—	54
Other income (expense), net	—	—	1	1	—	2
Earnings (loss) from continuing operations before tax	441	452	539	241	(1,140)	) 533
Income tax (provision) benefit	—	(11)	(82)	(1)	) (2)	(96)
Earnings (loss) from continuing operations	441	441	457	240	(1,142)	) 437
Earnings (loss) from operation of discontinued operations	—	—	(3)	—	—	(3)
Income tax (provision) benefit from discontinued operations	—	—	1	—	—	1
Earnings (loss) from discontinued operations	—	—	(2)	—	—	(2)
Net earnings (loss)	441	441	455	240	(1,142)	) 435
Net (earnings) loss attributable to noncontrolling interests	—	—	—	6	—	6
Net earnings (loss) attributable to Celanese Corporation	441	441	455	246	(1,142)) 441

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENTS OF COMPREHENSIVE INCOME (LOSS)

	Three Months Ended June 30, 2016					
	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net earnings (loss)	222	222	189	153	(563)	) 223
Other comprehensive income (loss), net of tax						
Unrealized gain (loss) on marketable securities	—	—	—	—	—	—
Foreign currency translation	(18)	(18)	(18)	(24)	60	(18)
Gain (loss) on cash flow hedges	1	1	1	1	(3)	) 1
Pension and postretirement benefits	(1)	(1)	(1)	—	2	(1)
Total other comprehensive income (loss), net of tax	(18)	(18)	(18)	(23)	59	(18)
Total comprehensive income (loss), net of tax	204	204	171	130	(504)	) 205
Comprehensive (income) loss attributable to noncontrolling interests	—	—	—	(2)	—	(2)
Comprehensive income (loss) attributable to Celanese Corporation	204	204	171	128	(504)	) 203
	Three Months Ended June 30, 2015					
	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net earnings (loss)	205	206	215	123	(548)	) 201
Other comprehensive income (loss), net of tax						
Unrealized gain (loss) on marketable securities	(1)	(1)	(1)	(1)	3	(1)
Foreign currency translation	37	37	56	74	(167)	) 37
Gain (loss) on cash flow hedges	1	1	1	1	(3)	) 1
Pension and postretirement benefits	4	4	3	4	(11)	) 4
Total other comprehensive income (loss), net of tax	41	41	59	78	(178)	) 41
Total comprehensive income (loss), net of tax	246	247	274	201	(726)	) 242
Comprehensive (income) loss attributable to noncontrolling interests	—	—	—	4	—	4
Comprehensive income (loss) attributable to Celanese Corporation	246	247	274	205	(726)) 246

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENTS OF COMPREHENSIVE INCOME (LOSS)

Six Months Ended June 30, 2016

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net earnings (loss)	478	478	431	359	(1,264)	) 482
Other comprehensive income (loss), net of tax						
Unrealized gain (loss) on marketable securities	1	1	—	1	(2)	) 1
Foreign currency translation	46	46	36	58	(140)	) 46
Gain (loss) on cash flow hedges	1	1	1	1	(3)	) 1
Pension and postretirement benefits	(1)	(1)	(1)	1	1	(1)
Total other comprehensive income (loss), net of tax	47	47	36	61	(144)	) 47
Total comprehensive income (loss), net of tax	525	525	467	420	(1,408)	) 529
Comprehensive (income) loss attributable to noncontrolling interests	—	—	—	(4)	—	(4)
Comprehensive income (loss) attributable to Celanese Corporation	525	525	467	416	(1,408)	) 525

Six Months Ended June 30, 2015

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net earnings (loss)	441	441	455	240	(1,142)	) 435
Other comprehensive income (loss), net of tax						
Unrealized gain (loss) on marketable securities	(1)	(1)	(1)	(1)	3	(1)
Foreign currency translation	(119)	(119)	(114)	(137)	370	(119)
Gain (loss) on cash flow hedges	3	3	6	3	(12)	) 3
Pension and postretirement benefits	1	1	—	4	(5)	) 1
Total other comprehensive income (loss), net of tax	(116)	(116)	(109)	(131)	356	(116)
Total comprehensive income (loss), net of tax	325	325	346	109	(786)	) 319
Comprehensive (income) loss attributable to noncontrolling interests	—	—	—	6	—	6
Comprehensive income (loss) attributable to Celanese Corporation	325	325	346	115	(786)) 325

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CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED CONSOLIDATING BALANCE SHEET

As of June 30, 2016
Parent Issuer Subsidiary Non- Eliminations Consolidated
Guarantor Guarantor Guarantors Guarantors
(In \$ millions)

ASSETS

Current Assets

Cash and cash equivalents	2	—	243	490	—	735
Trade receivables - third party and affiliates	—	—	128	807	(143)	792
Non-trade receivables, net	38	537	213	327	(898)	217
Inventories, net	—	—	224	453	(41)	636
Deferred income taxes	—	—	—	—	—	—
Marketable securities, at fair value	—	—	35	—	—	35
Other assets	—	37	17	55	(68)	41
Total current assets	40	574	860	2,132	(1,150)	2,456
Investments in affiliates	2,562	4,082	3,511	747	(10,060)	842
Property, plant and equipment, net	—	—	1,015	2,573	—	3,588
Deferred income taxes	—	—	192	68	(23)	237
Other assets	—	280	144	227	(358)	293
Goodwill	—	—	314	397	—	711
Intangible assets, net	—	—	50	71	—	121
Total assets	2,602	4,936	6,086	6,215	(11,591)	8,248

LIABILITIES AND EQUITY

Current Liabilities

Short-term borrowings and current installments of long-term debt - third party and affiliates	—	40	130	200	(251)	119
Trade payables - third party and affiliates	—	—	238	455	(142)	551
Other liabilities	—	54	180	230	(163)	301
Deferred income taxes	—	—	—	—	—	—
Income taxes payable	—	—	553	115	(552)	116
Total current liabilities	—	94	1,101	1,000	(1,108)	1,087

Noncurrent Liabilities

Long-term debt	—	2,253	401	177	(367)	2,464
Deferred income taxes	—	25	—	114	(23)	116
Uncertain tax positions	—	2	16	136	—	154
Benefit obligations	—	—	920	227	—	1,147
Other liabilities	—	—	80	149	—	229
Total noncurrent liabilities	—	2,280	1,417	803	(390)	4,110
Total Celanese Corporation stockholders' equity	2,602	2,562	3,568	3,963	(10,093)	2,602
Noncontrolling interests	—	—	—	449	—	449
Total equity	2,602	2,562	3,568	4,412	(10,093)	3,051
Total liabilities and equity	2,602	4,936	6,086	6,215	(11,591)	8,248

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CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED CONSOLIDATING BALANCE SHEET

As of December 31, 2015

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
--	---------------------	--------	--------------------------	--------------------	--------------	--------------

(In \$ millions)

ASSETS

Current Assets

Cash and cash equivalents	—	—	21	946	—	967
Trade receivables - third party and affiliates	—	—	132	722	(148)	) 706
Non-trade receivables, net	37	580	298	522	(1,152)	) 285
Inventories, net	—	—	258	474	(50)	) 682
Deferred income taxes	—	—	19	68	(19)	) 68
Marketable securities, at fair value	—	—	30	—	—	) 30
Other assets	—	12	28	40	(31)	) 49
Total current assets	37	592	786	2,772	(1,400)	) 2,787
Investments in affiliates	2,341	3,947	3,909	738	(10,097)	) 838
Property, plant and equipment, net	—	—	1,001	2,608	—	) 3,609
Deferred income taxes	—	2	178	42	—	) 222
Other assets	—	418	151	227	(496)	) 300
Goodwill	—	—	314	391	—	) 705
Intangible assets, net	—	—	51	74	—	) 125
Total assets	2,378	4,959	6,390	6,852	(11,993)	) 8,586

LIABILITIES AND EQUITY

Current Liabilities

Short-term borrowings and current installments of long-term debt - third party and affiliates	—	479	181	213	(360)	) 513
Trade payables - third party and affiliates	—	—	240	495	(148)	) 587
Other liabilities	—	28	281	283	(262)	) 330
Deferred income taxes	—	26	—	23	(19)	) 30
Income taxes payable	—	—	537	116	(563)	) 90
Total current liabilities	—	533	1,239	1,130	(1,352)	) 1,550

Noncurrent Liabilities

Long-term debt	—	2,078	706	187	(503)	) 2,468
Deferred income taxes	—	—	—	136	—	) 136
Uncertain tax positions	—	7	29	131	—	) 167
Benefit obligations	—	—	960	229	—	) 1,189
Other liabilities	—	—	93	155	(1)	) 247
Total noncurrent liabilities	—	2,085	1,788	838	(504)	) 4,207
Total Celanese Corporation stockholders' equity	2,378	2,341	3,363	4,433	(10,137)	) 2,378
Noncontrolling interests	—	—	—	451	—	) 451
Total equity	2,378	2,341	3,363	4,884	(10,137)) 2,829
Total liabilities and equity	2,378	4,959	6,390	6,852	(11,993)) 8,586

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF CASH FLOWS

Six Months Ended June 30, 2016

	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations	Consolidated
	(In \$ millions)					
Net cash provided by (used in) operating activities	297	294	152	449	(556)	) 636
Investing Activities						
Capital expenditures on property, plant and equipment	—	—	(66)	) (62)	—	(128)
Acquisitions, net of cash acquired	—	—	—	—	—	—
Proceeds from sale of businesses and assets, net	—	—	1	1	—	2
Capital expenditures related to Fairway Methanol LLC	—	—	—	—	—	—
Return of capital from subsidiary	—	136	741	—	(877)) —
Contributions to subsidiary	—	—	—	—	—	—
Intercompany loan receipts (disbursements)	—	138	(5)	) 90	(223)) —
Other, net	—	—	(9)	) (3)	—	(12)
Net cash provided by (used in) investing activities	—	274	662	26	(1,100)	) (138)
Financing Activities						
Net change in short-term borrowings with maturities of 3 months or less	—	(345)	(3)	) —	(5)	) (353)
Proceeds from short-term borrowings	—	—	—	22	—	22
Repayments of short-term borrowings	—	—	—	(63)	—	(63)
Proceeds from long-term debt	—	250	325	—	(405)	) 170
Repayments of long-term debt	—	(175)	(634)	) (7)	633	(183)
Purchases of treasury stock, including related fees	(200)	—	—	—	—	(200)
Dividends to parent	—	(296)	(260)	) —	556	—
Contributions from parent	—	—	—	—	—	—
Stock option exercises	3	—	—	—	—	3
Series A common stock dividends	(98)	) —	—	—	—	(98)
Return of capital to parent	—	—	—	(877)	) 877	—
(Distributions to) contributions from noncontrolling interests	—	—	—	(6)	) —	(6)
Other, net	—	(2)	) (20)	) (2)	—	(24)
Net cash provided by (used in) financing activities	(295)	(568)	(592)	) (933)	1,656	(732)
Exchange rate effects on cash and cash equivalents	—	—	—	2	—	2
Net increase (decrease) in cash and cash equivalents	2	—	222	(456)	) —	(232)
Cash and cash equivalents as of beginning of period	—	—	21	946	—	967
Cash and cash equivalents as of end of period	2	—	243	490	—	735

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CELANESE CORPORATION AND SUBSIDIARIES

UNAUDITED INTERIM CONSOLIDATING STATEMENT OF CASH FLOWS

	Six Months Ended June 30, 2015						Consolidated	
	Parent Guarantor	Issuer	Subsidiary Guarantors	Non- Guarantors	Eliminations			
	(In \$ millions)							
Net cash provided by (used in) operating activities	83	45	285	306	(166	)	553
Investing Activities								
Capital expenditures on property, plant and equipment	—	—	(74	)	(43	)	(117
Acquisitions, net of cash acquired	—	—	(3	)	—		(3
Proceeds from sale of businesses and assets, net	—	—	—	—	—		—	
Capital expenditures related to Fairway Methanol LLC	—	—	(9	)	(201	)	(210
Return of capital from subsidiary	—	—	—	—	—		—	
Contributions to subsidiary	—	—	(60	)	—	60	—
Intercompany loan receipts (disbursements)	—	3	(25	)	(15	)	37
Other, net	—	—	(12	)	(12)	—	
Net cash provided by (used in) investing activities	—	3	(183	)	(271	)	97
Financing Activities								
Net change in short-term borrowings with maturities of 3 months or less	—	25	(1	)	(1	)	(25
Proceeds from short-term borrowings	—	—	—	26	—		26	
Repayments of short-term borrowings	—	—	—	(39	)	—	(39
Proceeds from long-term debt	—	15	—	—	(15)	—	
Repayments of long-term debt	—	(5)	(3)	(7)	3
Purchases of treasury stock, including related fees	—	—	—	—	—		—	
Dividends to parent	—	(83	)	(83	)	—	166
Contributions from parent	—	—	—	60	(60)	—	
Stock option exercises	2	—	—	—	—		2	
Series A common stock dividends	(84)	—	—	—	—		(84	
Return of capital to parent	—	—	—	—	—		—	
(Distributions to) contributions from noncontrolling interests	—	—	—	155	—		155	
Other, net	—	—	(10	)	(1)	—	
Net cash provided by (used in) financing activities	(82)	(48	)	(97	)	193	69
Exchange rate effects on cash and cash equivalents	—	—	—	(26	)	—	(26
Net increase (decrease) in cash and cash equivalents	1	—	5	202	—		208	
Cash and cash equivalents as of beginning of period	—	—	110	670	—		780	
Cash and cash equivalents as of end of period	1	—	115	872	—		988	

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20. Subsequent Events

On July 8, 2016, Celanese US and certain subsidiaries entered into an amendment of the Company's accounts receivable securitization facility ("Amendment"), extending its maturity to July 2019 and decreasing the available amount to \$120 million.

On July 15, 2016, Celanese, Celanese US and certain subsidiaries entered into a new senior credit agreement ("New Credit Agreement") consisting of a new \$500 million senior unsecured term loan and a \$1.0 billion senior unsecured revolving credit facility (with a letter of credit sublimit), each maturing in 2021. The proceeds from the new senior unsecured term loan and €367 million of borrowings from the new unsecured revolving credit facility were used to repay the Company's Term C-2 and C-3 senior secured credit facilities under the Amended Credit Agreement. Borrowings under the New Credit Agreement bear interest at a rate equal to LIBOR plus a margin of 1.125% to 2.00%, currently 1.50%, or the base rate plus a margin of 0.125% to 1.00%, in each case, depending on the Company's senior unsecured debt rating. The New Credit Agreement contains a number of customary covenants and events of default, including the maintenance of certain financial ratios.

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

In this Quarterly Report on Form 10-Q ("Quarterly Report"), the term "Celanese" refers to Celanese Corporation, a Delaware corporation, and not its subsidiaries. The terms the "Company," "we," "our" and "us," refer to Celanese and its subsidiaries on a consolidated basis. The term "Celanese US" refers to the Company's subsidiary, Celanese US Holdings LLC, a Delaware limited liability company, and not its subsidiaries.

The following discussion should be read in conjunction with the Celanese Corporation and Subsidiaries consolidated financial statements as of and for the year ended December 31, 2015 filed on February 5, 2016 with the Securities and Exchange Commission ("SEC") as part of the Company's Annual Reporting on Form 10-K ("2015 Form 10-K") and the unaudited interim consolidated financial statements and notes to the unaudited interim consolidated financial statements, which are prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP").

Investors are cautioned that the forward-looking statements contained in this section and other parts of this Quarterly Report involve both risk and uncertainty. Several important factors could cause actual results to differ materially from those anticipated by these statements. Many of these statements are macroeconomic in nature and are, therefore, beyond the control of management. See "Forward-Looking Statements" below and at the beginning of our 2015 Form 10-K.

Forward-Looking Statements

Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") and other parts of this Quarterly Report contain certain forward-looking statements and information relating to us that are based on the beliefs of our management as well as assumptions made by, and information currently available to, us. Generally, words such as "believe," "expect," "intend," "estimate," "anticipate," "project," "plan," "may," "can," "could," "might," and "will," and similar expressions, as they relate to us are intended to identify forward-looking statements. These statements reflect our current views and beliefs with respect to future events at the time that the statements are made, are not historical facts or guarantees of future performance and involve risks and uncertainties that are difficult to predict and many of which are outside of our control. Further, certain forward-looking statements are based upon assumptions as to future events that may not prove to be accurate. All forward-looking statements made in this Quarterly Report are made as of the date hereof, and the risk that actual results will differ materially from expectations expressed in this Quarterly Report will increase with the passage of time. We undertake no obligation, and disclaim any duty, to publicly update or revise any forward-looking statements, whether as a result of new information, future events, changes in our expectations or otherwise.

See Part I - Item 1A. Risk Factors of our 2015 Form 10-K and subsequent periodic filings we make with the SEC for a description of certain risk factors that you should consider which could significantly affect our financial results. In addition, the following factors could cause our actual results to differ materially from those results, performance or achievements that may be expressed or implied by such forward-looking statements. These factors include, among other things:

- changes in general economic, business, political and regulatory conditions in the countries or regions in which we operate;
- the length and depth of product and industry business cycles particularly in the automotive, electrical, textiles, electronics and construction industries;
- changes in the price and availability of raw materials, particularly changes in the demand for, supply of, and market prices of ethylene, methanol, natural gas, wood pulp and fuel oil and the prices for electricity and other energy sources;
- the ability to pass increases in raw material prices on to customers or otherwise improve margins through price increases;
- the ability to maintain plant utilization rates and to implement planned capacity additions and expansions;
- the ability to reduce or maintain current levels of production costs and to improve productivity by implementing technological improvements to existing plants;
- increased price competition and the introduction of competing products by other companies;
- market acceptance of our technology;

the ability to obtain governmental approvals and to construct facilities on terms and schedules acceptable to us;

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changes in the degree of intellectual property and other legal protection afforded to our products or technologies, or the theft of such intellectual property;

compliance and other costs and potential disruption or interruption of production or operations due to accidents, interruptions in sources of raw materials, cyber security incidents, terrorism or political unrest, or other unforeseen events or delays in construction or operation of facilities, including as a result of geopolitical conditions, the occurrence of acts of war or terrorist incidents or as a result of weather or natural disasters;

potential liability for remedial actions and increased costs under existing or future environmental regulations, including those relating to climate change;

potential liability resulting from pending or future litigation, or from changes in the laws, regulations or policies of governments or other governmental activities in the countries in which we operate;

changes in currency exchange rates and interest rates;

our level of indebtedness, which could diminish our ability to raise additional capital to fund operations or limit our ability to react to changes in the economy or the chemicals industry; and

various other factors, both referenced and not referenced in this Quarterly Report.

Many of these factors are macroeconomic in nature and are, therefore, beyond our control. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, our actual results, performance or achievements may vary materially from those described in this Quarterly Report as anticipated, believed, estimated, expected, intended, planned or projected. We neither intend nor assume any obligation to update these forward-looking statements, which speak only as of their dates.

Overview

We are a global technology and specialty materials company. We are one of the world's largest producers of acetyl products, which are intermediate chemicals, for nearly all major industries, as well as a leading global producer of high performance engineered polymers that are used in a variety of high-value applications. As a recognized innovator in the chemicals industry, we engineer and manufacture a wide variety of products essential to everyday living. Our broad product portfolio serves a diverse set of end-use applications including paints and coatings, textiles, automotive applications, consumer and medical applications, performance industrial applications, filtration applications, paper and packaging, chemical additives, construction, consumer and industrial adhesives, and food and beverage applications. Our products enjoy leading global positions due to our differentiated business models, large global production capacity, operating efficiencies, proprietary technology and competitive cost structures.

Our large and diverse global customer base primarily consists of major companies in a broad array of industries. We hold geographically balanced global positions and participate in diversified end-use applications. We combine a demonstrated track record of execution, strong performance built on shared principles and objectives, and a clear focus on growth and value creation. Known for operational excellence and execution of our business strategies, we deliver value to customers around the globe with best-in-class technologies and solutions.

We are organized around two complementary cores, Materials Solutions and the Acetyl Chain. Together, these two value drivers share raw materials, technology, integrated systems and research resources to increase efficiency and quickly respond to market needs. Within Materials Solutions and the Acetyl Chain, we operate principally through four business segments: Materials Solutions includes Advanced Engineered Materials and Consumer Specialties business segments, and the Acetyl Chain includes Industrial Specialties and Acetyl Intermediates business segments.

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Results of Operations

Financial Highlights

	Three Months			Six Months		
	Ended June 30, 2016	2015	Change	Ended June 30, 2016	2015	Change
	(unaudited)					
	(In \$ millions, except percentages)					
Statement of Operations Data						
Net sales	1,351	1,477	(126)	2,755	2,927	(172)
Gross profit	338	375	(37)	728	756	(28)
Selling, general and administrative ("SG&A") expenses	(71)	(106)	35	(151)	(204)	53
Other (charges) gains, net	(4)	(10)	6	(9)	(15)	6
Operating profit (loss)	243	188	55	530	445	85
Equity in net earnings of affiliates	35	40	(5)	73	88	(15)
Interest expense	(30)	(30)	—	(63)	(57)	(6)
Refinancing expense	—	—	—	(2)	—	(2)
Dividend income - cost investments	29	26	3	56	54	2
Earnings (loss) from continuing operations before tax	275	227	48	593	533	60
Earnings (loss) from continuing operations	223	203	20	481	437	44
Earnings (loss) from discontinued operations	—	(2)	2	1	(2)	3
Net earnings (loss)	223	201	22	482	435	47
Net earnings (loss) attributable to Celanese Corporation	221	205	16	478	441	37
Other Data						
Depreciation and amortization	73	105	(32)	146	172	(26)
SG&A expenses as a percentage of Net sales	5.3 %	7.2 %		5.5 %	7.0 %	
Operating margin ⁽¹⁾	18.0 %	12.7 %		19.2 %	15.2 %	
Other (charges) gains, net						
Employee termination benefits	(3)	(10)	7	(8)	(14)	6
Asset impairments	(1)	—	(1)	(1)	—	(1)
Commercial disputes	—	—	—	—	(1)	1
Total Other (charges) gains, net	(4)	(10)	6	(9)	(15)	6

⁽¹⁾ Defined as Operating profit (loss) divided by Net sales.

	As of June 30, 2016 (unaudited)	As of December 31, 2015 (unaudited)
	(In \$ millions)	
Balance Sheet Data		
Cash and cash equivalents	735	967
Short-term borrowings and current installments of long-term debt - third party and affiliates	119	513
Long-term debt, net of unamortized deferred financing costs	2,464	2,468
Total debt	2,583	2,981

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Factors Affecting Business Segment Net Sales

The percentage increase (decrease) in Net sales attributable to each of the factors indicated for each of our business segments is as follows:

Three Months Ended June 30, 2016 Compared to Three Months Ended June 30, 2015

	Volume	Price	Currency	Other	Total
	(unaudited)				
	(In percentages)				
Advanced Engineered Materials	8	(4)	1	—	5
Consumer Specialties	2	(8)	—	—	(6)
Industrial Specialties	(1)	(8)	—	—	(9)
Acetyl Intermediates	(5)	(13)	—	2	(16)
Total Company	—	(10)	—	1	(9)

Six Months Ended June 30, 2016 Compared to Six Months Ended June 30, 2015

	Volume	Price	Currency	Other	Total
	(unaudited)				
	(In percentages)				
Advanced Engineered Materials	6	(2)	—	—	4
Consumer Specialties	9	(8)	—	—	1
Industrial Specialties	—	(8)	(1)	—	(9)
Acetyl Intermediates	—	(13)	(1)	2	(12)
Total Company	3	(10)	(1)	2	(6)

Pension and Postretirement Benefit Plan Costs

The increase (decrease) in pension and other postretirement plan net periodic benefit cost for each of our business segments is as follows:

Three Months Ended June 30, 2016 Compared to Three Months Ended June 30, 2015

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(unaudited)					
	(In \$ millions)					
Service cost	—(1)	(1)	—	—	—	(2)
Interest cost and expected return on plan assets	—	—	—	—	1	1
Recognized actuarial (gain) loss	—	—	—	—	(1)	(1)
Amortization of prior service cost (credit), net	—	—	(1)	—	—	(1)
Special termination benefit	1	—	1	—	—	2
Total	1	(1)	(1)	—	—	(1)

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	Advanced Consumer Engineered Specialties Materials	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(unaudited)				
	(In \$ millions)				
Cost of sales	—(1)	(1)	—	—	(2)
SG&A expenses	—	(1)	—	—	(1)
Research and development expenses	—	—	—	—	—
Other (charges) gains, net	1 —	1	—	—	2
Total	1 (1)	(1)	—	—	(1)

Six Months Ended June 30, 2016 Compared to Six Months Ended June 30, 2015

	Advanced Consumer Engineered Specialties Materials	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(unaudited)				
	(In \$ millions)				
Service cost	—(1)	(1)	—	(1)	(3)
Interest cost and expected return on plan assets	—	—	—	2	2
Recognized actuarial (gain) loss	—	—	—	(1)	(1)
Amortization of prior service cost (credit), net	—	(2)	—	—	(2)
Special termination benefit	1 —	1	—	—	2
Total	1 (1)	(2)	—	—	(2)

	Advanced Consumer Engineered Specialties Materials	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(unaudited)				
	(In \$ millions)				
Cost of sales	—(1)	(1)	—	(1)	(3)
SG&A expenses	—	(2)	—	—	(2)
Research and development expenses	—	—	—	—	—
Other (charges) gains, net	1 —	1	—	1	3
Total	1 (1)	(2)	—	—	(2)

See Note 9 - Benefit Obligations in the accompanying unaudited interim consolidated financial statements for further information.

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Consolidated Results

Three Months Ended June 30, 2016 Compared to Three Months Ended June 30, 2015

Net sales decreased \$126 million, or 8.5%, for the three months ended June 30, 2016 compared to the same period in 2015 primarily due to:

• lower vinyl acetate monomer ("VAM") pricing and volume and lower acetic acid pricing in our Acetyl Intermediates segment;

• lower pricing in our Industrial Specialties segment; and

• lower acetate tow pricing in our Consumer Specialties segment;

partially offset by:

• higher volume for polyoxymethylene ("POM") in our Advanced Engineered Materials segment.

Operating profit increased \$55 million, or 29.3%, for the three months ended June 30, 2016 compared to the same period in 2015 primarily due to:

• a decrease in SG&A and lower raw material costs across all of our business segments; and

• an increase in depreciation and amortization expense in our Acetyl Intermediates segment during the three months ended June 30, 2015 as a result of \$39 million in accelerated depreciation expense related to property, plant and

• equipment no longer in use at our ethanol technology development unit in Clear Lake, Texas, which did not recur in the current year. See Note 12 - Other (Charges) Gains, Net in the accompanying unaudited interim consolidated

financial statements for further information;

partially offset by:

• lower Net sales.

As a percentage of Net sales, SG&A expenses decreased from 7.2% to 5.3% for the three months ended June 30, 2016 compared to the same period in 2015, primarily due to:

• productivity initiatives across most of our business segments; and

• lower functional spending and incentive compensation costs.

Our effective income tax rate for the three months ended June 30, 2016 was 19% compared to 11% for the same period in 2015. The higher effective income tax rate for the three months ended June 30, 2016 is primarily due to prior year tax benefits related to remeasurement of prior year tax positions due to audit closures and technical clarifications in certain jurisdictions of \$30 million, which did not recur in the current year.

Our effective income tax rate is affected by recurring items, such as tax rates in foreign jurisdictions and the relative amounts and mix of income and loss in those jurisdictions to which they relate, as well as discrete items and non-deductible expenses that may occur in any given year, but are not consistent from year to year.

See Note 13 - Income Taxes in the accompanying unaudited interim consolidated financial statements for further information.

Six Months Ended June 30, 2016 Compared to Six Months Ended June 30, 2015

Net sales decreased \$172 million, or 5.9%, for the six months ended June 30, 2016 compared to the same period in 2015 primarily due to:

• lower acetic acid and VAM pricing in our Acetyl Intermediates segment;

• lower pricing in our Industrial Specialties segment; and

• lower acetate tow pricing in our Consumer Specialties segment;

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partially offset by:

- higher acetate tow volume in our Consumer Specialties segment; and
- higher volume for POM in our Advanced Engineered Materials segment.

Operating profit increased \$85 million, or 19.1%, for the six months ended June 30, 2016 compared to the same period in 2015 primarily due to:

- a decrease in SG&A and lower raw material costs across all of our business segments; and
 - an increase in depreciation and amortization expense in our Acetyl Intermediates segment during the six months ended June 30, 2015 as a result of \$39 million in accelerated depreciation expense related to property, plant and equipment no longer in use at our ethanol technology development unit in Clear Lake, Texas, which did not recur in the current year;

partially offset by:

- lower Net sales.

As a percentage of Net sales, SG&A expenses decreased from 7.0% to 5.5% for the six months ended June 30, 2016 compared to the same period in 2015, primarily due to:

- productivity initiatives across most of our business segments; and
- lower functional spending and incentive compensation costs.

Equity in net earnings (loss) of affiliates decreased \$15 million for the six months ended June 30, 2016 compared to the same period in 2015 primarily due to:

- a decrease in equity investment earnings of \$27 million from our Ibn Sina strategic affiliate as a result of lower pricing for methanol and methyl tertiary-butyl ether ("MTBE") and higher raw material costs.

Our effective income tax rate for the six months ended June 30, 2016 was 19% compared to 18% for the same period in 2015 as the \$30 million reduction in prior year tax benefits was offset by changes in mix of jurisdictional earnings. Assuming no material changes to tax rules and regulations or cash repatriation plans, we expect to realize operational savings in connection with the establishment of our centralized European headquarters, which will directly impact the mix of our earnings and may result in favorable income tax impacts in subsequent years. Our effective tax rate will vary based on the jurisdictions in which income is actually generated and remains subject to potential volatility from changing tax legislation in the US and other tax jurisdictions. We continue to assess our business model and its impact in various jurisdictions. On April 4, 2016, the US Department of the Treasury announced the issuance of proposed regulations regarding corporate tax inversions and related earnings stripping. These proposed regulations, which are effective 90 days after finalization, include provisions that may be interpreted to impact other common tax structures including intercompany financing and obligations. The US Department of Treasury still needs to provide clarification on these regulations and proposals, at which point we will be able to assess the impact, if any, to our financial statements and liquidity. Were the regulations and proposals finalized in their current form, there could be adverse tax consequences to our cross-border treasury management practices and intercompany financing structure.

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Business Segments

Advanced Engineered Materials

	Three Months			% Change	Six Months			% Change				
	Ended June 30, 2016	2015	Change		Ended June 30, 2016	2015	Change					
	(unaudited)											
	(In \$ millions, except percentages)											
Net sales	365	346	19	5.5 %	715	689	26	3.8 %				
Net Sales Variance												
Volume	8	%			6	%						
Price	(4	)%			(2)%					
Currency	1	%			—	%						
Other	—	%			—	%						
Other (charges) gains, net	(1)	(3)	2	(66.7)%	(2)	(4)	2	(50.0)%
Operating profit (loss)	82	67	15	22.4 %	170	126	44	34.9 %				
Operating margin	22.5 %	19.4 %			23.8 %	18.3 %						
Equity in net earnings (loss) of affiliates	27	31	(4)	(12.9)%	58	74	(16)	(21.6)%		
Depreciation and amortization	25	24	1	4.2 %	49	49	—	— %				

Our Advanced Engineered Materials segment includes our engineered materials business and certain strategic affiliates. Our engineered materials business develops, produces and supplies a broad portfolio of high performance specialty polymers for automotive and medical applications, as well as industrial products and consumer electronics. Together with our strategic affiliates, our engineered materials business is a leading participant in the global specialty polymers industry.

Three Months Ended June 30, 2016 Compared to Three Months Ended June 30, 2015

Net sales increased for the three months ended June 30, 2016 compared to the same period in 2015 primarily due to:

- higher volume, primarily for POM across all regions, driven by pipeline and base business growth;

partially offset by:

• lower pricing in POM due to regional mix.

Operating profit increased for the three months ended June 30, 2016 compared to the same period in 2015 primarily due to:

• lower energy and raw material costs, primarily for polyester and methanol; and

• higher Net sales;

partially offset by:

• turnaround costs of \$7 million at our Hoechst Industrial Park POM facility in Frankfurt, Germany.

Six Months Ended June 30, 2016 Compared to Six Months Ended June 30, 2015

Net sales increased for the six months ended June 30, 2016 compared to the same period in 2015 primarily due to:

- higher volume, primarily for POM across all regions, driven by pipeline and base business growth;

partially offset by:

• lower pricing in POM due to regional mix.

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Operating profit increased for the six months ended June 30, 2016 compared to the same period in 2015 primarily due to:

- lower energy and raw material costs, primarily methanol;
 - higher Net sales; and
 - cost savings of \$8 million, which includes productivity initiatives;
- partially offset by:
- turnaround costs of \$7