

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, 2022
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

(State or Other Jurisdiction of Incorporation or Organization)

98-0420726

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

222 W. Las Colinas Blvd., Suite 900N

Irving, TX 75039-5421

(Address of Principal Executive Offices and zip code)

(972) 443-4000

(Registrant's telephone number, including area code)

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

<u>Title of Each Class</u>	<u>Trading Symbol(s)</u>	<u>Name of Each Exchange on Which Registered</u>
Common Stock, par value \$0.0001 per share	CE	The New York Stock Exchange
1.125% Senior Notes due 2023	CE /23	The New York Stock Exchange
1.250% Senior Notes due 2025	CE /25	The New York Stock Exchange
4.777% Senior Notes due 2026	CE /26A	The New York Stock Exchange
2.125% Senior Notes due 2027	CE /27	The New York Stock Exchange
0.625% Senior Notes due 2028	CE /28	The New York Stock Exchange
5.337% Senior Notes due 2029	CE /29A	The New York Stock Exchange

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 every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

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

Large accelerated filer Accelerated filer Non-accelerated filer Smaller reporting company Emerging growth company

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

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

The number of outstanding shares of the registrant's common stock, \$0.0001 par value, as of July 22, 2022 was 108,348,653.

CELANESE CORPORATION AND SUBSIDIARIES

Form 10-Q

For the Quarterly Period Ended June 30, 2022

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Item 1. Financial Statements

CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF OPERATIONS

	Three Months Ended June 30,		Six Months Ended June 30,	
	2022	2021	2022	2021
	(In \$ millions, except share and per share data)			
Net sales	2,486	2,198	5,024	3,996
Cost of sales	(1,781)	(1,437)	(3,574)	(2,750)
Gross profit	705	761	1,450	1,246
Selling, general and administrative expenses	(197)	(161)	(371)	(298)
Amortization of intangible assets	(11)	(5)	(22)	(11)
Research and development expenses	(26)	(22)	(50)	(42)
Other (charges) gains, net	1	(3)	—	3
Foreign exchange gain (loss), net	(1)	(3)	(2)	—
Gain (loss) on disposition of businesses and assets, net	12	—	9	(5)
Operating profit (loss)	483	567	1,014	893
Equity in net earnings (loss) of affiliates	60	37	116	66
Non-operating pension and other postretirement employee benefit (expense) income	25	38	49	76
Interest expense	(48)	(24)	(83)	(49)
Interest income	1	4	2	5
Dividend income - equity investments	36	37	73	79
Other income (expense), net	(3)	1	(1)	(1)
Earnings (loss) from continuing operations before tax	554	660	1,170	1,069
Income tax (provision) benefit	(112)	(116)	(224)	(201)
Earnings (loss) from continuing operations	442	544	946	868
Earnings (loss) from operation of discontinued operations	(8)	(6)	(8)	(7)
Income tax (provision) benefit from discontinued operations	2	2	2	2
Earnings (loss) from discontinued operations	(6)	(4)	(6)	(5)
Net earnings (loss)	436	540	940	863
Net (earnings) loss attributable to noncontrolling interests	(2)	(2)	(4)	(3)
Net earnings (loss) attributable to Celanese Corporation	434	538	936	860
Amounts attributable to Celanese Corporation				
Earnings (loss) from continuing operations	440	542	942	865
Earnings (loss) from discontinued operations	(6)	(4)	(6)	(5)
Net earnings (loss)	434	538	936	860
Earnings (loss) per common share - basic				
Continuing operations	4.06	4.83	8.70	7.66
Discontinued operations	(0.06)	(0.04)	(0.06)	(0.04)
Net earnings (loss) - basic	4.00	4.79	8.64	7.62
Earnings (loss) per common share - diluted				
Continuing operations	4.03	4.81	8.63	7.62
Discontinued operations	(0.05)	(0.04)	(0.06)	(0.04)
Net earnings (loss) - diluted	3.98	4.77	8.57	7.58
Weighted average shares - basic	108,392,155	112,294,274	108,289,603	112,899,459
Weighted average shares - diluted	109,123,349	112,758,639	109,158,055	113,470,581

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

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

	Three Months Ended June 30,		Six Months Ended June 30,	
	2022	2021	2022	2021
	(In \$ millions)			
Net earnings (loss)	436	540	940	863
Other comprehensive income (loss), net of tax				
Foreign currency translation gain (loss)	(131)	7	(152)	3
Gain (loss) on cash flow hedges	26	(3)	41	31
Pension and postretirement benefits	—	—	2	(4)
Total other comprehensive income (loss), net of tax	(105)	4	(109)	30
Total comprehensive income (loss), net of tax	331	544	831	893
Comprehensive (income) loss attributable to noncontrolling interests	(2)	(2)	(4)	(3)
Comprehensive income (loss) attributable to Celanese Corporation	329	542	827	890

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

CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED CONSOLIDATED BALANCE SHEETS

	As of June 30, 2022	As of December 31, 2021
(In \$ millions, except share data)		
ASSETS		
Current Assets		
Cash and cash equivalents	783	536
Trade receivables - third party and affiliates	1,317	1,161
Non-trade receivables, net	510	506
Inventories	1,713	1,524
Marketable securities	7	10
Other assets	129	70
Total current assets	4,459	3,807
Investments in affiliates	935	823
Property, plant and equipment (net of accumulated depreciation - 2022: \$3,497; 2021: \$3,484)	4,158	4,193
Operating lease right-of-use assets	264	236
Deferred income taxes	232	248
Other assets	642	521
Goodwill	1,348	1,412
Intangible assets, net	675	735
Total assets	12,713	11,975
LIABILITIES AND EQUITY		
Current Liabilities		
Short-term borrowings and current installments of long-term debt - third party and affiliates	809	791
Trade payables - third party and affiliates	1,250	1,160
Other liabilities	419	473
Income taxes payable	117	81
Total current liabilities	2,595	2,505
Long-term debt, net of unamortized deferred financing costs	3,022	3,176
Deferred income taxes	589	555
Uncertain tax positions	285	280
Benefit obligations	514	558
Operating lease liabilities	220	200
Other liabilities	263	164
Commitments and Contingencies		
Stockholders' Equity		
Preferred stock, \$0.01 par value, 100,000,000 shares authorized (2022 and 2021: 0 issued and outstanding)	—	—
Common stock, \$0.0001 par value, 400,000,000 shares authorized (2022: 170,050,081 issued and 108,346,035 outstanding; 2021: 169,760,024 issued and 108,023,735 outstanding)	—	—
Treasury stock, at cost (2022: 61,704,046 shares; 2021: 61,736,289 shares)	(5,492)	(5,492)
Additional paid-in capital	344	333
Retained earnings	10,466	9,677
Accumulated other comprehensive income (loss), net	(438)	(329)
Total Celanese Corporation stockholders' equity	4,880	4,189
Noncontrolling interests	345	348
Total equity	5,225	4,537
Total liabilities and equity	12,713	11,975

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

CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF EQUITY

	Three Months Ended June 30,			
	2022		2021	
	Shares	Amount	Shares	Amount
	(In \$ millions, except share data)			
Common Stock				
Balance as of the beginning of the period	108,307,341	—	112,632,584	—
Purchases of treasury stock	—	—	(1,562,578)	—
Stock awards	38,694	—	45,436	—
Balance as of the end of the period	<u>108,346,035</u>	<u>—</u>	<u>111,115,442</u>	<u>—</u>
Treasury Stock				
Balance as of the beginning of the period	61,736,289	(5,492)	57,066,485	(4,744)
Purchases of treasury stock, including related fees	—	—	1,562,578	(250)
Issuance of treasury stock under stock plans	(32,243)	—	(27,186)	1
Balance as of the end of the period	<u>61,704,046</u>	<u>(5,492)</u>	<u>58,601,877</u>	<u>(4,993)</u>
Additional Paid-In Capital				
Balance as of the beginning of the period		326		253
Stock-based compensation, net of tax		18		39
Balance as of the end of the period		<u>344</u>		<u>292</u>
Retained Earnings				
Balance as of the beginning of the period		10,106		8,335
Net earnings (loss) attributable to Celanese Corporation		434		538
Common stock dividends		(74)		(76)
Balance as of the end of the period		<u>10,466</u>		<u>8,797</u>
Accumulated Other Comprehensive Income (Loss), Net				
Balance as of the beginning of the period		(333)		(302)
Other comprehensive income (loss), net of tax		(105)		4
Balance as of the end of the period		<u>(438)</u>		<u>(298)</u>
Total Celanese Corporation stockholders' equity		<u>4,880</u>		<u>3,798</u>
Noncontrolling Interests				
Balance as of the beginning of the period		346		365
Net earnings (loss) attributable to noncontrolling interests		2		2
Distributions to noncontrolling interests		(3)		(8)
Balance as of the end of the period		<u>345</u>		<u>359</u>
Total equity		<u>5,225</u>		<u>4,157</u>

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

CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF EQUITY

	Six Months Ended June 30,			
	2022		2021	
	Shares	Amount	Shares	Amount
	(In \$ millions, except share data)			
Common Stock				
Balance as of the beginning of the period	108,023,735	—	114,168,464	—
Purchases of treasury stock	—	—	(3,394,548)	—
Stock awards	322,300	—	341,526	—
Balance as of the end of the period	<u>108,346,035</u>	<u>—</u>	<u>111,115,442</u>	<u>—</u>
Treasury Stock				
Balance as of the beginning of the period	61,736,289	(5,492)	55,234,515	(4,494)
Purchases of treasury stock, including related fees	—	—	3,394,548	(500)
Issuance of treasury stock under stock plans	(32,243)	—	(27,186)	1
Balance as of the end of the period	<u>61,704,046</u>	<u>(5,492)</u>	<u>58,601,877</u>	<u>(4,993)</u>
Additional Paid-In Capital				
Balance as of the beginning of the period		333		257
Stock-based compensation, net of tax		11		35
Balance as of the end of the period		<u>344</u>		<u>292</u>
Retained Earnings				
Balance as of the beginning of the period		9,677		8,091
Net earnings (loss) attributable to Celanese Corporation		936		860
Common stock dividends		(147)		(154)
Balance as of the end of the period		<u>10,466</u>		<u>8,797</u>
Accumulated Other Comprehensive Income (Loss), Net				
Balance as of the beginning of the period		(329)		(328)
Other comprehensive income (loss), net of tax		(109)		30
Balance as of the end of the period		<u>(438)</u>		<u>(298)</u>
Total Celanese Corporation stockholders' equity		<u>4,880</u>		<u>3,798</u>
Noncontrolling Interests				
Balance as of the beginning of the period		348		369
Net earnings (loss) attributable to noncontrolling interests		4		3
Distributions to noncontrolling interests		(7)		(13)
Balance as of the end of the period		<u>345</u>		<u>359</u>
Total equity		<u>5,225</u>		<u>4,157</u>

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

CELANESE CORPORATION AND SUBSIDIARIES
UNAUDITED INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS

	Six Months Ended June 30,	
	2022	2021
	(In \$ millions)	
Operating Activities		
Net earnings (loss)	940	863
Adjustments to reconcile net earnings (loss) to net cash provided by (used in) operating activities		
Asset impairments	—	2
Depreciation, amortization and accretion	213	184
Pension and postretirement net periodic benefit cost	(42)	(68)
Pension and postretirement contributions	(23)	(24)
Deferred income taxes, net	15	10
(Gain) loss on disposition of businesses and assets, net	(8)	6
Stock-based compensation	31	54
Undistributed earnings in unconsolidated affiliates	(10)	(13)
Other, net	5	7
Operating cash provided by (used in) discontinued operations	(19)	3
Changes in operating assets and liabilities		
Trade receivables - third party and affiliates, net	(216)	(437)
Inventories	(251)	(150)
Other assets	22	(143)
Trade payables - third party and affiliates	169	242
Other liabilities	(15)	7
Net cash provided by (used in) operating activities	811	543
Investing Activities		
Capital expenditures on property, plant and equipment	(261)	(202)
Acquisitions, net of cash acquired	(14)	—
Proceeds from sale of businesses and assets, net	16	1
Proceeds from sale of marketable securities	—	500
Other, net	(26)	(24)
Net cash provided by (used in) investing activities	(285)	275
Financing Activities		
Net change in short-term borrowings with maturities of 3 months or less	19	412
Repayments of short-term borrowings	—	(6)
Repayments of long-term debt	(14)	(415)
Purchases of treasury stock, including related fees	(17)	(517)
Common stock dividends	(147)	(154)
Distributions to noncontrolling interests	(7)	(13)
Issuance cost of bridge facility	(63)	—
Other, net	(25)	(22)
Net cash provided by (used in) financing activities	(254)	(715)
Exchange rate effects on cash and cash equivalents	(25)	(4)
Net increase (decrease) in cash and cash equivalents	247	99
Cash and cash equivalents as of beginning of period	536	955
Cash and cash equivalents as of end of period	783	1,054

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

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 chemical and specialty materials company. The Company produces high performance engineered polymers that are used in a variety of high-value applications, as well as acetyl products, which are intermediate chemicals, for nearly all major industries. The Company also engineers and manufactures a wide variety of products essential to everyday living. The Company's broad product portfolio serves a diverse set of end-use applications including automotive, chemical additives, construction, consumer and industrial adhesives, consumer and medical, energy storage, filtration, food and beverage, paints and coatings, paper and packaging, performance industrial and textiles.

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 U.S." 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, 2022 and 2021 contained in this Quarterly Report were prepared in accordance with accounting principles generally accepted in the United States of America ("U.S. 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 U.S. GAAP. Certain information and footnote disclosures normally included in financial statements prepared in accordance with U.S. GAAP 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, 2021, filed on February 10, 2022 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, 2022 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.

Estimates and Assumptions

The preparation of unaudited interim consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, 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.

2. Recent Accounting Pronouncements

There are no recent Accounting Standard Updates issued by the Financial Accounting Standards Board which are expected to materially impact the Company's financial position, operating results or financial disclosures.

3. Acquisitions, Dispositions and Plant Closures

Acquisitions

In December 2021, the Company acquired the Santoprene™ thermoplastic vulcanizates ("TPV") elastomers business of Exxon Mobil Corporation ("Santoprene") for a purchase price of \$1.15 billion in an all-cash transaction. The Company acquired the Santoprene™, Dytron™ and Geolast™ trademarks and product portfolios, customer and supplier contracts and agreements, both production facilities producing TPV, the TPV intellectual property portfolio with associated technical and R&D assets and employees of the TPV elastomer business. The acquisition of Santoprene substantially strengthens our existing elastomers portfolio, allowing the Company to bring a wider range of functionalized solutions into targeted growth areas including future mobility, medical and sustainability. The acquisition was accounted for as a business combination and the acquired operations are included in the Engineered Materials segment. The Company allocated the purchase price of the acquisition to identifiable assets acquired and liabilities assumed based on their estimated fair values as of the acquisition date. The purchase price allocation was based upon preliminary information and is subject to change if additional information about the facts and circumstances that existed at the acquisition date becomes available. The Company is in the ongoing process of conducting a valuation of the assets acquired and liabilities assumed related to the acquisition, including personal and real property, lease obligations, deferred taxes and intangible assets. The final fair value of the net assets acquired may result in adjustments to these assets and liabilities, including goodwill. During the measurement period, there were no adjustments that materially impacted the Company's goodwill initially recorded.

On February 17, 2022, the Company signed a definitive agreement to acquire a majority of the Mobility & Materials business of DuPont de Nemours, Inc. (the "M&M Acquisition") for a purchase price of \$11.0 billion, subject to certain adjustments, in an all-cash transaction. The Company will acquire a global production network of 29 facilities, including compounding and polymerization, customer and supplier contracts and agreements, an intellectual property portfolio including approximately 850 patents with associated technical and R&D assets, and expects to acquire approximately 5,000 employees across the manufacturing, technical, and commercial organizations. The acquired operations will be included in the Engineered Materials segment. The Company expects the acquisition to close around the end of 2022, subject to regulatory approvals and customary closing conditions.

In connection with the planned M&M Acquisition, also on February 17, 2022, the Company entered into a bridge facility commitment letter with Bank of America, N.A. ("Bank of America") pursuant to which Bank of America has committed to provide, subject to the terms and conditions set forth therein, a 364-day \$11.0 billion senior unsecured bridge term loan facility (the "Bridge Facility"). Subsequently, commitments in respect of the Bridge Facility were syndicated to additional financial institutions as contemplated thereby.

On March 18, 2022, Celanese, Celanese U.S. and certain subsidiaries entered into a term loan credit agreement (the "Term Loan Credit Agreement"), pursuant to which lenders have committed to provide a tranche of delayed-draw term loans due 364 days from issuance in an amount equal to \$500 million and a tranche of delayed-draw term loans due 5 years from issuance in an amount equal to \$1.0 billion (the "Term Loan Facility"), which reduced the commitments under the Bridge Facility by a corresponding amount. The Term Loan Facility, subject to the terms and conditions set forth in the Term Loan Credit Agreement, together with the Acquisition Notes (as defined and described below), additional debt financing and the Bridge Facility, will be available to finance the M&M Acquisition, and to pay fees and expenses related thereto. The Term Loan Credit Agreement is guaranteed by Celanese and domestic subsidiaries representing substantially all of the Company's U.S. assets and business operations (the "Subsidiary Guarantors").

Amounts outstanding under the 364-day tranche of the Term Loan Credit Agreement will accrue interest at a rate equal to Secured Overnight Financing Rate with an interest period of one or three months ("Term SOFR") plus a margin of 1.00% to 2.00% per annum, or the base rate plus a margin of 0.00% to 1.00%, in each case, based on the Company's senior unsecured debt rating. Amounts outstanding under the 5-year tranche of the Term Loan Credit Agreement will accrue interest at a rate equal to Term SOFR plus a margin of 1.125% to 2.125% per annum, or the base rate plus a margin of 0.125% to 1.125%, in each case, based on the Company's senior unsecured debt rating.

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The Term Loan Credit Agreement contains certain covenants described in [Note 7](#).

As described above, the entry into the Term Loan Credit Agreement reduced availability under the Bridge Facility by \$1.5 billion, resulting in \$9.5 billion in Bridge Facility commitments remaining as of June 30, 2022. The Company completed offerings of USD- and Euro-denominated notes on July 14, 2022 and July 19, 2022, respectively, reducing the availability of remaining Bridge Facility commitments to \$552 million. See [Note 18](#) for further information.

During the six months ended June 30, 2022, the Company paid \$63 million in fees related to the Bridge Facility commitment, \$23 million and \$37 million of which were amortized to interest expense in the three and six months ended June 30, 2022, respectively, and \$26 million of which were recorded as a deferred asset as of June 30, 2022 and will be amortized to interest expense.

Korea Engineering Plastics Co. Restructuring

On April 1, 2022, the Company completed the restructuring of Korea Engineering Plastics Co. ("KEPCO"), a joint venture owned 50% by the Company and 50% by Mitsubishi Gas Chemical Company, Inc. KEPCO was first formed in 1987 to manufacture and market polyoxymethylene ("POM") in Asia, with a particular focus on serving domestic demand in South Korea. KEPCO will now focus solely on manufacturing and supplying high quality products to its stockholders, who will independently market them globally. As part of the restructuring of KEPCO, the Company paid KEPCO \$5 million and will pay 5 equal annual installments of €24 million on October 1 of each year beginning in 2022. This resulted in an increase to the Company's investment in KEPCO of \$134 million. The Company's joint venture partner will be making similar payments to KEPCO. The restructuring did not result in a change in ownership percentage of KEPCO, nor a change in control, and will continue to be accounted for as an equity method investment.

4. Inventories

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Finished goods	1,122	1,014
Work-in-process	85	75
Raw materials and supplies	506	435
Total	<u>1,713</u>	<u>1,524</u>

5. Goodwill and Intangible Assets, Net

Goodwill

	Engineered Materials	Acetate Tow	Acetyl Chain	Total
	(In \$ millions)			
As of December 31, 2021	1,030	149	233	1,412
Acquisitions (Note 3)	2	—	—	2 ⁽¹⁾
Exchange rate changes	(46)	(2)	(18)	(66)
As of June 30, 2022 ⁽²⁾	<u>986</u>	<u>147</u>	<u>215</u>	<u>1,348</u>

⁽¹⁾ Represents goodwill related to the acquisition of Santoprene.

⁽²⁾ There were no accumulated impairment losses as of June 30, 2022.

Intangible Assets, Net

Finite-lived intangible assets are as follows:

	Licenses	Customer- Related Intangible Assets	Developed Technology	Covenants Not to Compete and Other	Total
	(In \$ millions)				
Gross Asset Value					
As of December 31, 2021	45	996	45	55	1,141
Exchange rate changes	(2)	(57)	(1)	—	(60)
As of June 30, 2022	43	939	44	55	1,081
Accumulated Amortization					
As of December 31, 2021	(41)	(543)	(42)	(39)	(665)
Amortization	(2)	(19)	(1)	—	(22)
Exchange rate changes	3	32	1	—	36
As of June 30, 2022	(40)	(530)	(42)	(39)	(651)
Net book value	3	409	2	16	430

Indefinite-lived intangible assets are as follows:

	Trademarks and Trade Names
	(In \$ millions)
As of December 31, 2021	259
Exchange rate changes	(14)
As of June 30, 2022	245

During the six months ended June 30, 2022, the Company did not renew or extend any intangible assets.

Estimated amortization expense for the succeeding five fiscal years is as follows:

	(In \$ millions)
2023	40
2024	39
2025	39
2026	39
2027	39

6. Current Other Liabilities

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Benefit obligations (Note 8)	26	26
Customer rebates	53	96
Derivatives (Note 12)	5	5
Interest	26	30
Legal (Note 14)	15	33
Operating leases	44	37
Restructuring	1	7
Salaries and benefits	113	135
Sales and use tax/foreign withholding tax payable	33	27
Other	103	77
Total	419	473

7. Debt

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Short-Term Borrowings and Current Installments of Long-Term Debt - Third Party and Affiliates		
Current installments of long-term debt	525	527
Short-term borrowings, including amounts due to affiliates ⁽¹⁾	39	64
Revolving credit facility ⁽²⁾	245	200
Total	809	791

⁽¹⁾ The weighted average interest rate was 0.2% and 0.2% as of June 30, 2022 and December 31, 2021, respectively.

⁽²⁾ The weighted average interest rate was 3.0% and 1.4% as of June 30, 2022 and December 31, 2021, respectively.

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Long-Term Debt		
Senior unsecured notes due 2022, interest rate of 4.625%	500	500
Senior unsecured notes due 2023, interest rate of 1.125%	467	509
Senior unsecured notes due 2024, interest rate of 3.500%	499	499
Senior unsecured notes due 2025, interest rate of 1.250%	311	339
Senior unsecured notes due 2026, interest rate of 1.400%	400	400
Senior unsecured notes due 2027, interest rate of 2.125%	517	564
Senior unsecured notes due 2028, interest rate of 0.625%	519	566
Pollution control and industrial revenue bonds due at various dates through 2030, interest rates ranging from 4.05% to 5.00%	164	166
Bank loans due at various dates through 2026 ⁽¹⁾	5	6
Obligations under finance leases due at various dates through 2054	180	173
Subtotal	3,562	3,722
Unamortized debt issuance costs ⁽²⁾	(15)	(19)
Current installments of long-term debt	(525)	(527)
Total	3,022	3,176

⁽¹⁾ The weighted average interest rate was 1.3% and 1.3% as of June 30, 2022 and December 31, 2021, respectively.

⁽²⁾ Related to the Company's long-term debt, excluding obligations under finance leases.

Senior Credit Facilities

On March 18, 2022, Celanese, Celanese U.S. and certain subsidiaries entered into a new revolving credit agreement (the "New Revolving Credit Agreement" and, together with the Term Loan Credit Agreement the "Credit Agreements") consisting of a \$1.75 billion senior unsecured revolving credit facility (with a letter of credit sublimit), maturing in 2027. The proceeds of a \$365 million borrowing under the new senior unsecured revolving credit facility were used to repay and terminate the Company's existing revolving credit facility. The Credit Agreements are guaranteed by Celanese, Celanese U.S. and the Subsidiary Guarantors. The Subsidiary Guarantors are listed in [Exhibit 22.1](#) to this Quarterly Report.

The Credit Agreements contain certain covenants, including the maintenance of certain financial ratios (subject to adjustment following the M&M Acquisition and certain other qualifying acquisitions, as set forth in the Credit Agreements), events of default and change of control provisions.

The Company's debt balances and amounts available for borrowing under its new senior unsecured revolving credit facility are as follows:

	As of June 30, 2022
	(In \$ millions)
Revolving Credit Facility	
Borrowings outstanding ⁽¹⁾	245
Available for borrowing ⁽²⁾	1,505

⁽¹⁾ The Company borrowed \$365 million under its new senior unsecured revolving credit facility to repay and terminate its previous unsecured revolving credit facility and repaid \$120 million under its new senior unsecured revolving credit facility during the six months ended June 30, 2022. The Company borrowed \$165 million and repaid \$365 million under its previous unsecured revolving credit facility during the three months ended March 31, 2022.

⁽²⁾ The margin for borrowings under the senior unsecured revolving credit facility was 1.00% to 2.00% above certain interbank rates at current Company credit ratings.

Senior Notes

The Company has outstanding senior unsecured notes, issued in public offerings registered under the Securities Act of 1933 ("Securities Act"), as amended (collectively, the "Senior Notes"). The Senior Notes were issued by Celanese U.S. and are guaranteed on a senior unsecured basis by Celanese and the Subsidiary Guarantors. Celanese U.S. may redeem some or all of each of the Senior Notes, prior to their respective maturity dates, at a redemption price of 100% of the principal amount, plus a "make-whole" premium as specified in the applicable indenture, plus accrued and unpaid interest, if any, to the redemption date. The Company completed offerings of USD- and Euro-denominated notes on July 14, 2022 and July 19, 2022, respectively, reducing the availability of remaining Bridge Facility commitments ([Note 3](#)) to \$552 million. See [Note 18](#) for further information.

Accounts Receivable Purchasing Facility

In June 2021, the Company entered into an amendment to the amended and restated receivables purchase agreement (the "Amended Receivables Purchase Agreement") under its U.S. accounts receivable purchasing facility among certain of the Company's subsidiaries, its wholly-owned, "bankruptcy remote" special purpose subsidiary ("SPE") and certain global financial institutions ("Purchasers"). The Amended Receivables Purchase Agreement extends the term of the accounts receivable purchasing facility such that the SPE may sell certain receivables until June 18, 2024. Under the Amended Receivables Purchase Agreement, transfers of U.S. accounts receivable from the SPE are treated as sales and are accounted for as a reduction in accounts receivable because the agreement transfers effective control over and risk related to the U.S. accounts receivable to the SPE. The Company and related subsidiaries have no continuing involvement in the transferred U.S. accounts receivable, other than collection and administrative responsibilities and, once sold, the U.S. accounts receivable are no longer available to satisfy creditors of the Company or the related subsidiaries in the event of bankruptcy. These sales are transacted at 100% of the face value of the relevant U.S. accounts receivable, resulting in derecognition of the U.S. accounts receivables from the Company's unaudited consolidated balance sheet. The Company de-recognized \$536 million and \$1.1 billion of accounts receivable under this agreement for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively, and collected \$536 million and \$1.1 billion of accounts receivable sold under this agreement during the same periods. Unsold U.S. accounts receivable of \$139 million were pledged by the SPE as collateral to the Purchasers as of June 30, 2022.

Factoring and Discounting Agreements

The Company has factoring agreements in Europe and Singapore with financial institutions to sell 100% and 90% of certain accounts receivable, respectively, on a non-recourse basis. These transactions are treated as sales and are accounted for as reductions in accounts receivable because the agreements transfer effective control over and risk related to the receivables to the buyer. The Company has no continuing involvement in the transferred receivables, other than collection and administrative responsibilities and, once sold, the accounts receivable are no longer available to satisfy creditors in the event of bankruptcy. The Company de-recognized \$139 million and \$230 million of accounts receivable under these factoring agreements for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively, and collected \$163 million and \$185 million of accounts receivable sold under these factoring agreements during the same periods.

In March 2021, the Company entered into an agreement in Singapore with a financial institution to discount, on a non-recourse basis, documentary credits or other documents recorded as accounts receivable. These transactions are treated as a sale and are accounted for as a reduction in accounts receivable because the agreement transfers effective control over and risk related to the receivables to the buyer. The Company has no continuing involvement in the transferred receivables and, once sold, the accounts receivable are no longer available to satisfy creditors in the event of bankruptcy. The Company de-recognized \$32 million and \$70 million of accounts receivable under this agreement for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively.

Covenants

The Company's material financing arrangements contain customary covenants, including the maintenance of certain financial ratios (subject to adjustment following the M&M Acquisition and certain other qualifying acquisitions, as set forth in the Credit Agreements), events of default and change of control provisions. Failure to comply with these covenants, or the occurrence of any other event of default, could result in acceleration of the borrowings and other financial obligations. The Company is in compliance with all of the covenants related to its debt agreements as of June 30, 2022.

8. Benefit Obligations

The components of net periodic benefit cost are as follows:

	Three Months Ended June 30,				Six Months Ended June 30,			
	2022		2021		2022		2021	
	Pension Benefits	Post-retirement Benefits	Pension Benefits	Post-retirement Benefits	Pension Benefits	Post-retirement Benefits	Pension Benefits	Post-retirement Benefits
	(In \$ millions)							
Service cost	4	—	3	1	7	—	7	1
Interest cost	16	1	14	—	33	1	27	—
Expected return on plan assets	(42)	—	(52)	—	(83)	—	(103)	—
Total	<u>(22)</u>	<u>1</u>	<u>(35)</u>	<u>1</u>	<u>(43)</u>	<u>1</u>	<u>(69)</u>	<u>1</u>

Benefit obligation funding is as follows:

	As of June 30, 2022	Total Expected 2022
	(In \$ millions)	
Cash contributions to defined benefit pension plans	12	24
Benefit payments to nonqualified pension plans	10	19
Benefit payments to other postretirement benefit plans	1	4

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

Pension and postretirement benefit plan balances recognized in the unaudited consolidated balance sheets consist of:

	As of June 30, 2022		As of December 31, 2021	
	Pension Benefits	Post-retirement Benefits	Pension Benefits	Post-retirement Benefits
	(In \$ millions)			
Noncurrent Other assets	266	—	221	—
Current Other liabilities	(22)	(4)	(22)	(4)
Benefit obligations	(462)	(47)	(504)	(47)
Net amount recognized	<u>(218)</u>	<u>(51)</u>	<u>(305)</u>	<u>(51)</u>

9. 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 ongoing 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.

The components of environmental remediation liabilities are as follows:

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Demerger obligations (Note 14)	22	24
Divestiture obligations (Note 14)	15	14
Active sites	12	8
U.S. Superfund sites	11	12
Other environmental remediation liabilities	2	2
Total	62	60

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 U.S. 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 14). Certain of these sites, at which the Company maintains continuing involvement, were and continue to be designated as discontinued operations when closed. 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.

U.S. Superfund Sites

In the U.S., the Company may be subject to substantial claims brought by U.S. 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 U.S. 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 U.S. 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 any probable and reasonably estimable liabilities. In establishing these liabilities, the Company considers the contaminants of concern, the potential impact thereof, the relationship of the contaminants of concern to its current and historic operations, 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 Diamond Alkali Superfund Site, which is comprised of a number of sub-sites, including the Lower Passaic River Study Area ("LPRSA"), which is the lower 17-mile stretch of the Passaic River ("Lower Passaic River Site"), and the

Newark Bay Area. 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 Lower Passaic River Site in order to identify the levels of contaminants and potential cleanup actions, including the potential migration of contaminants between the LPRSA and the Newark Bay Area.

In March 2016, the EPA issued its final Record of Decision concerning the remediation of the lower 8.3 miles of the Lower Passaic River Site ("Lower 8.3 Miles"). 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 EPA estimated cost of approximately \$1.4 billion. In September 2021, the EPA issued a Record of Decision selecting an interim remedial plan for the upper 9 miles of the Lower Passaic River ("Upper 9 Miles"). Pursuant to the EPA's Record of Decision, targeted dredging will be conducted in the Upper 9 Miles to address surface sediments with elevated contamination followed by the installation of an engineered cap at an EPA estimated cost of \$441 million.

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 contaminants of concern to the Passaic River. In June 2018, Occidental Chemical Corporation ("OCC"), the successor to the Diamond Alkali Company, sued a subsidiary of the Company and 119 other parties alleging claims for joint and several damages, contribution and declaratory relief under Section 107 and 113 of Superfund for costs to clean up the LPRSA portion of the Diamond Alkali Superfund Site, *Occidental Chemical Corporation v. 21st Century Fox America, Inc., et al*, No. 2:18-CV-11273-JLL-JAD (U.S. District Court New Jersey), alleging that each of the defendants owned or operated a facility that contributed contamination to the LPRSA. With respect to the Company, the OCC lawsuit is limited to the former Celanese facility that Essex County, New Jersey has agreed to indemnify the Company for and does not change the Company's estimated liability for LPRSA cleanup costs. The Company is vigorously defending these matters and currently estimates that its ultimate allocable share of the cleanup costs with respect to the Lower Passaic River Site is less than 1%. In February 2022, the EPA and a subgroup of defendants in the litigation, including Celanese, reached a settlement in principle with respect to the liability of those defendants for the LPRSA, which will not be material to the Company's results of operations, cash flows or financial position.

Other Environmental Matters

In April 2022, a methanol leak on a pipeline to our Bishop, Texas facility was discovered. The release has been contained, the leak has been repaired and the pipeline has resumed operation. The Company promptly disclosed the incident to state and federal authorities, including the Texas Commission on Environmental Quality and the EPA, and are cooperating in ongoing remediation activities. While the Company has not received a notice of violation nor been assessed any fines or penalties to date, the Company recorded a reserve in Other current liabilities based on anticipated clean-up costs and possible penalties to state or federal authorities. The Company does not believe that resolution of this matter will have a material impact on our financial condition or results of operations.

10. 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 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 the Company to pay cash dividends is not currently restricted by its existing senior credit facility and its indentures governing its senior unsecured notes. Any decision to declare and pay dividends in the future will be made at the discretion of the Company's Board of Directors and will depend on, among other things, the results of operations, cash requirements, financial condition, contractual restrictions and other factors that the Company's Board of Directors may deem relevant.

The Company declared a quarterly cash dividend of \$0.68 per share on its Common Stock on July 13, 2022, amounting to \$74 million. The cash dividend will be paid on August 8, 2022 to holders of record as of July 25, 2022.

Treasury Stock

The Company's Board of Directors authorizes repurchases of Common Stock from time to time. These authorizations give management discretion in determining the timing and conditions under which shares may be repurchased. This repurchase program does not have an expiration date.

	Six Months Ended June 30,		Total From February 2008 Through June 30, 2022
	2022	2021	
Shares repurchased	—	3,394,548	69,324,429
Average purchase price per share	\$ —	\$ 147.30	\$ 83.71
Shares repurchased (in \$ millions)	\$ —	\$ 500	\$ 5,803
Aggregate Board of Directors repurchase authorizations during the period (in \$ millions)	\$ —	\$ —	\$ 6,866

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.

Other Comprehensive Income (Loss), Net

	Three Months Ended June 30,					
	2022			2021		
	Gross Amount	Income Tax (Provision) Benefit	Net Amount	Gross Amount	Income Tax (Provision) Benefit	Net Amount
	(In \$ millions)					
Foreign currency translation gain (loss)	(107)	(24)	(131)	6	1	7
Gain (loss) on cash flow hedges	33	(7)	26	(4)	1	(3)
Total	(74)	(31)	(105)	2	2	4

	Six Months Ended June 30,					
	2022			2021		
	Gross Amount	Income Tax (Provision) Benefit	Net Amount	Gross Amount	Income Tax (Provision) Benefit	Net Amount
	(In \$ millions)					
Foreign currency translation gain (loss)	(122)	(30)	(152)	9	(6)	3
Gain (loss) on cash flow hedges	52	(11)	41	40	(9)	31
Pension and postretirement benefits gain (loss)	2	—	2	(4)	—	(4)
Total	(68)	(41)	(109)	45	(15)	30

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

	Foreign Currency Translation Gain (Loss)	Gain (Loss) on Cash Flow Hedges (Note 12)	Pension and Postretirement Benefits Gain (Loss) (Note 8)	Accumulated Other Comprehensive Income (Loss), Net
	(In \$ millions)			
As of December 31, 2021	(271)	(43)	(15)	(329)
Other comprehensive income (loss) before reclassifications	(122)	59	2	(61)
Amounts reclassified from accumulated other comprehensive income (loss)	—	(7)	—	(7)
Income tax (provision) benefit	(30)	(11)	—	(41)
As of June 30, 2022	(423)	(2)	(13)	(438)

11. Income Taxes

	Three Months Ended June 30,		Six Months Ended June 30,	
	2022	2021	2022	2021
	(In percentages)			
Effective income tax rate	20	18	19	19

The effective income tax rate for the three months ended June 30, 2022, was higher compared to the same period in 2021, primarily due to increased earnings in high tax jurisdictions. The effective income tax rate for the six months ended June 30, 2022, was comparable to the same period in 2021 due to \$28 million of non-recurring impacts of uncertain tax positions mainly arising from lending terms related to internal treasury operations in the three months ended March 31, 2021, offset by increased earnings in high tax jurisdictions in the three months ended June 30, 2021.

In December 2017, the Tax Cuts and Jobs Act (the "TCJA") was enacted and was effective January 1, 2018. The U.S. Treasury has issued various final and proposed regulatory packages supplementing the TCJA provisions since 2018, which the Company does not expect to have a material impact on current or future income tax expense.

In December 2021, the U.S. Treasury and the IRS released final regulations addressing various aspects of the foreign tax credit regime. The regulation was published in the federal register on January 4, 2022, and became effective in the six months ended June 30, 2022. The final regulations included guidance with respect to the definition of foreign income taxes, the eligibility of foreign taxes for the foreign tax credit, and the allocation and apportionment of interest expense. The impact of the retroactive effect of the interest expense apportionment rules for the 2020 and 2021 tax years was not material to the Company's results of operations.

The Company will continue to monitor the expected impacts of any new guidance on the Company's filing positions and will record the impacts as discrete income tax expense adjustments in the period the guidance is finalized or becomes effective.

Due to the TCJA and uncertainty as to future foreign source income, the Company previously recorded a valuation allowance on a substantial portion of its foreign tax credits. The Company is currently evaluating tax planning strategies that would allow utilization of the Company's foreign tax credit carryforwards. Implementation of these strategies in future periods could reduce the level of valuation allowance that is needed, thereby decreasing the Company's effective tax rate.

The Company's tax returns are under audit for the years 2013 through 2015 by the United States, Netherlands and Germany (the "Authorities").

In September 2021, the Company received a draft joint audit report proposing adjustments to transfer pricing and the reallocation of income between the related jurisdictions. The Authorities also propose to apply these adjustments to open tax years through 2019. The Company is engaged in discussions with the Authorities to evaluate the proposals and is currently evaluating all potential remedies.

As of June 30, 2022, the Company believes that an adequate provision for income taxes has been made for all open tax years related to the examination. However, the outcome of tax audits cannot be predicted with certainty. If any issues raised by the Authorities are resolved in a manner inconsistent with the Company's expectations or the Company is unsuccessful in defending its position, the Company could be required to adjust its provision for income taxes in the period such resolution occurs. If required, any such adjustments could be material to the statements of operations and cash flows in the period(s) recorded.

In addition, the Company's Mexico tax returns are under audit for the years 2018 and 2019. On January 14, 2022, the Mexico tax authorities issued preliminary findings for disallowance of operating expenses on several of the applicable tax returns. The Company has analyzed the preliminary findings and does not expect any material impact to income tax expense.

12. Derivative Financial Instruments

Derivatives Designated As Hedges

Net Investment Hedges

The total notional amount of foreign currency denominated debt and cross-currency swaps designated as net investment hedges are as follows:

	As of June 30, 2022	As of December 31, 2021
	(In € millions)	
Total	1,853	1,653

Derivatives Not Designated As Hedges

Foreign Currency Forwards and Swaps

Gross notional values of the foreign currency forwards and swaps not designated as hedges are as follows:

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions)	
Total	570	663

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)		Gain (Loss) Recognized in Earnings (Loss)		Statement of Operations Classification
	Three Months Ended June 30,				
	2022	2021	2022	2021	
	(In \$ millions)				
Designated as Cash Flow Hedges					
Commodity swaps	42	12	11	—	Cost of sales
Interest rate swaps	—	(16)	(2)	—	Interest expense
Total	42	(4)	9	—	
Designated as Net Investment Hedges					
Foreign currency denominated debt (Note 7)	93	(15)	—	—	N/A
Cross-currency swaps	25	17	—	—	N/A
Total	118	2	—	—	
Not Designated as Hedges					
Foreign currency forwards and swaps	—	—	(3)	(7)	Foreign exchange gain (loss), net; Other income (expense), net
Total	—	—	(3)	(7)	

	Gain (Loss) Recognized in Other Comprehensive Income (Loss)		Gain (Loss) Recognized in Earnings (Loss)		Statement of Operations Classification
	Six Months Ended June 30,				
	2022	2021	2022	2021	
(In \$ millions)					
Designated as Cash Flow Hedges					
Commodity swaps	59	23	11	—	Cost of sales
Interest rate swaps	—	17	(4)	—	Interest expense
Total	<u>59</u>	<u>40</u>	<u>7</u>	<u>—</u>	
Designated as Net Investment Hedges					
Foreign currency denominated debt (Note 7)	121	35	—	—	N/A
Cross-currency swaps	27	11	—	—	N/A
Total	<u>148</u>	<u>46</u>	<u>—</u>	<u>—</u>	
Not Designated as Hedges					
Foreign currency forwards and swaps	—	—	(4)	(4)	Foreign exchange gain (loss), net; Other income (expense), net
Total	<u>—</u>	<u>—</u>	<u>(4)</u>	<u>(4)</u>	

See [Note 13](#) for additional information regarding the fair value of the Company's derivative instruments.

Certain of the Company's commodity swaps, interest rate swaps, cross-currency 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, 2022	As of December 31, 2021
	(In \$ millions)	
Derivative Assets		
Gross amount recognized	117	40
Gross amount offset in the consolidated balance sheets	—	—
Net amount presented in the consolidated balance sheets	<u>117</u>	<u>40</u>
Gross amount not offset in the consolidated balance sheets	3	2
Net amount	<u>114</u>	<u>38</u>
Derivative Liabilities		
Gross amount recognized	5	5
Gross amount offset in the consolidated balance sheets	—	—
Net amount presented in the consolidated balance sheets	<u>5</u>	<u>5</u>
Gross amount not offset in the consolidated balance sheets	3	2
Net amount	<u>2</u>	<u>3</u>

13. Fair Value Measurements

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

Derivative financial instruments include interest rate swaps, commodity swaps, cross-currency swaps and foreign currency forwards and swaps and are valued in the market using discounted cash flow techniques. These techniques incorporate Level 1 and Level 2 fair value measurement inputs such as 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 interest rate swaps, commodity 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.

	Fair Value Measurement			Balance Sheet Classification
	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Total	
(In \$ millions)				
As of June 30, 2022				
Derivatives Designated as Cash Flow Hedges				
Commodity swaps	—	19	19	Current Other assets
Commodity swaps	—	59	59	Noncurrent Other assets
Derivatives Designated as Net Investment Hedges				
Cross-currency swaps	—	3	3	Current Other assets
Cross-currency swaps	—	33	33	Noncurrent Other assets
Derivatives Not Designated as Hedges				
Foreign currency forwards and swaps	—	3	3	Current Other assets
Total assets	<u>—</u>	<u>117</u>	<u>117</u>	
Derivatives Designated as Net Investment Hedges				
Cross-currency swaps	—	(3)	(3)	Current Other liabilities
Derivatives Not Designated as Hedges				
Foreign currency forwards and swaps	—	(2)	(2)	Current Other liabilities
Total liabilities	<u>—</u>	<u>(5)</u>	<u>(5)</u>	

	Fair Value Measurement			Balance Sheet Classification
	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Total	
(In \$ millions)				
As of December 31, 2021				
Derivatives Designated as Cash Flow Hedges				
Commodity swaps	—	8	8	Current Other assets
Commodity swaps	—	23	23	Noncurrent Other assets
Derivatives Designated as Net Investment Hedges				
Cross-currency swaps	—	2	2	Current Other assets
Cross-currency swaps	—	5	5	Noncurrent Other assets
Derivatives Not Designated as Hedges				
Foreign currency forwards and swaps	—	2	2	Current Other assets
Total assets	—	40	40	
Derivatives Designated as Net Investment Hedges				
Cross-currency swaps	—	(2)	(2)	Current Other liabilities
Derivatives Not Designated as Hedges				
Foreign currency forwards and swaps	—	(3)	(3)	Current Other liabilities
Total liabilities	—	(5)	(5)	

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

	Fair Value Measurement			Total
	Carrying Amount	Significant Other Observable Inputs (Level 2)	Unobservable Inputs (Level 3)	
(In \$ millions)				
As of June 30, 2022				
Equity investments without readily determinable fair values	170	—	—	—
Insurance contracts in nonqualified trusts	25	25	—	25
Long-term debt, including current installments of long-term debt	3,562	3,129	180	3,309
As of December 31, 2021				
Equity investments without readily determinable fair values	170	—	—	—
Insurance contracts in nonqualified trusts	28	28	—	28
Long-term debt, including current installments of long-term debt	3,722	3,639	173	3,812

In general, the equity investments included in the table above are not publicly traded and their fair values are not readily determinable. The Company believes the carrying values approximate fair value. 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 finance 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, 2022, and December 31, 2021, the fair values of cash and cash equivalents, receivables, marketable securities, 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.

14. 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 9](#)).

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, 2022 are \$104 million. Though the Company is significantly under its obligation cap under Category B, 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 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 significant risk ([Note 9](#)).

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. The aggregate amount of outstanding indemnifications and guarantees provided for under these agreements is \$125 million as of June 30, 2022. 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 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. 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, 2022, the Company had unconditional purchase obligations of \$3.5 billion, which extend through 2042.

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, insurance coverage disputes, contracts, employment, antitrust or competition compliance, intellectual property, personal injury and other actions in tort, workers' compensation, chemical exposure, asbestos exposure, taxes, trade compliance, acquisitions and divestitures, claims of current and 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 the Company's results of operations, cash flows or financial position.

15. Segment Information

	Engineered Materials	Acetate Tow	Acetyl Chain	Other Activities	Eliminations	Consolidated
(In \$ millions)						
Three Months Ended June 30, 2022						
Net sales	948	119	1,456	—	(37) ⁽¹⁾	2,486
Other (charges) gains, net	1	—	—	—	—	1
Operating profit (loss)	166	(1)	429	(111)	—	483
Equity in net earnings (loss) of affiliates	53	—	3	4	—	60
Depreciation and amortization	45	10	42	6	—	103
Capital expenditures	35	9	78	10	—	132 ⁽²⁾
Three Months Ended June 30, 2021						
Net sales	682	138	1,409	—	(31) ⁽¹⁾	2,198
Other (charges) gains, net	(1)	—	—	(2)	—	(3)
Operating profit (loss)	123	24	516	(96)	—	567
Equity in net earnings (loss) of affiliates	32	—	2	3	—	37
Depreciation and amortization	35	9	43	4	—	91
Capital expenditures	33	10	65	5	—	113 ⁽²⁾

⁽¹⁾ Includes intersegment sales primarily related to the Acetyl Chain.

⁽²⁾ Includes an increase in accrued capital expenditures of \$8 million and \$3 million for the three months ended June 30, 2022 and 2021, respectively.

	Engineered Materials	Acetate Tow	Acetyl Chain	Other Activities	Eliminations	Consolidated
(In \$ millions)						
Six Months Ended June 30, 2022						
Net sales	1,858	244	2,994	—	(72) ⁽¹⁾	5,024
Other (charges) gains, net	—	—	—	—	—	—
Operating profit (loss)	290	3	928	(207)	—	1,014
Equity in net earnings (loss) of affiliates	102	—	7	7	—	116
Depreciation and amortization	91	21	87	10	—	209
Capital expenditures	65	17	140	24	—	246 ⁽²⁾
As of June 30, 2022						
Goodwill and intangible assets, net	1,613	152	258	—	—	2,023
Total assets	5,702	1,136	4,537	1,338	—	12,713
Six Months Ended June 30, 2021						
Net sales	1,327	257	2,465	—	(53) ⁽¹⁾	3,996
Other (charges) gains, net	6	—	—	(3)	—	3
Operating profit (loss)	253	40	767	(167)	—	893
Equity in net earnings (loss) of affiliates	57	—	4	5	—	66
Depreciation and amortization	70	19	84	8	—	181
Capital expenditures	56	21	98	11	—	186 ⁽²⁾
As of December 31, 2021						
Goodwill and intangible assets, net	1,714	154	279	—	—	2,147
Total assets	5,363	1,098	4,428	1,086	—	11,975

⁽¹⁾ Includes intersegment sales primarily related to the Acetyl Chain.

⁽²⁾ Includes a decrease in accrued capital expenditures of \$15 million and \$16 million for the six months ended June 30, 2022 and 2021, respectively.

16. Revenue Recognition

The Company has certain contracts that represent take-or-pay revenue arrangements in which the Company's performance obligations extend over multiple years. As of June 30, 2022, the Company had \$1.2 billion of remaining performance obligations related to take-or-pay contracts. The Company expects to recognize approximately \$155 million of its remaining performance obligations as Net sales in 2022, \$284 million in 2023, \$259 million in 2024 and the balance thereafter.

Contract Balances

Contract liabilities primarily relate to advances or deposits received from the Company's customers before revenue is recognized. These amounts are recorded as deferred revenue and are included in Current and Noncurrent Other liabilities in the unaudited consolidated balance sheets.

The Company does not have any material contract assets as of June 30, 2022.

Disaggregated Revenue

In general, the Company's business segmentation is aligned according to the nature and economic characteristics of its products and customer relationships and provides meaningful disaggregation of each business segment's results of operations.

The Company manages its Engineered Materials business segment through its project management pipeline, which is comprised of a broad range of projects which are solutions-based and are tailored to each customers' unique needs. Projects are identified and selected based on success rate and may involve a number of different polymers per project for use in multiple end-use applications. Therefore, the Company is agnostic toward products and end-use markets for the Engineered Materials business segment.

Within the Acetate Tow business segment, the Company's primary product is acetate tow, which is managed through contracts with a few major tobacco companies and accounts for a significant amount of filters used in cigarette production worldwide.

The Company manages its Acetyl Chain business segment by leveraging its ability to sell chemicals externally to end-use markets or downstream to its emulsion polymers, redispersible powders and ethylene vinyl acetate ("EVA") polymers businesses. Decisions to sell externally and geographically or downstream and along the Acetyl Chain are based on market demand, trade flows and maximizing the value of its chemicals. Therefore, the Company's strategic focus is on executing within this integrated chain model and less on driving product-specific revenue.

Further disaggregation of Net sales by business segment and geographic destination is as follows:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2022	2021	2022	2021
(In \$ millions)				
Engineered Materials				
North America	284	188	573	352
Europe and Africa	380	304	757	600
Asia-Pacific	256	169	477	333
South America	28	21	51	42
Total	948	682	1,858	1,327
Acetate Tow				
North America	26	25	51	53
Europe and Africa	57	72	116	140
Asia-Pacific	34	38	74	60
South America	2	3	3	4
Total	119	138	244	257
Acetyl Chain				
North America	425	360	825	641
Europe and Africa	488	420	1,021	730
Asia-Pacific	476	567	997	990
South America	30	31	79	51
Total ⁽¹⁾	1,419	1,378	2,922	2,412

⁽¹⁾ Excludes intersegment sales of \$37 million and \$31 million for the three months ended June 30, 2022 and 2021, respectively. Excludes intersegment sales of \$72 million and \$53 million for the six months ended June 30, 2022 and 2021, respectively.

17. Earnings (Loss) Per Share

	Three Months Ended June 30,		Six Months Ended June 30,	
	2022	2021	2022	2021
(In \$ millions, except share data)				
Amounts attributable to Celanese Corporation				
Earnings (loss) from continuing operations	440	542	942	865
Earnings (loss) from discontinued operations	(6)	(4)	(6)	(5)
Net earnings (loss)	434	538	936	860
Weighted average shares - basic	108,392,155	112,294,274	108,289,603	112,899,459
Incremental shares attributable to equity awards ⁽¹⁾	731,194	464,365	868,452	571,122
Weighted average shares - diluted	109,123,349	112,758,639	109,158,055	113,470,581

⁽¹⁾ Excludes 107,287 and 82,887 equity award shares for the three and six months ended June 30, 2022, respectively, as their effect would have been antidilutive. There were no antidilutive equity award shares excluded for the three and six months ended June 30, 2021.

18. Subsequent Events

On July 14, 2022, Celanese U.S. completed an offering of \$7.5 billion aggregate principal amount of notes of various maturities in a public offering registered under the Securities Act (the "Acquisition USD Notes"). On July 19, 2022, Celanese U.S. completed an offering of €1.5 billion in aggregate principal amount of euro-denominated senior unsecured notes due in 2026 and 2029 in a public offering registered under the Securities Act (collectively, the "Acquisition Euro Notes" and together with the Acquisition USD Notes, the "Acquisition Notes"). Certain of the Acquisition Notes were issued at a discount to par, which will be amortized to Interest expense in the consolidated statement of operations over the terms of the applicable Acquisition Notes. Estimated fees and expenses of the offering of the Acquisition Notes, inclusive of underwriting discounts, were approximately \$65 million. Details of the Acquisition Notes are as follows:

	Principal Amount	Maturity Date	Interest Rate	Discounted Price
\$	2,000,000,000	July 5, 2024	5.900 %	99.987 %
\$	1,750,000,000	March 15, 2025	6.050 %	99.993 %
€	1,000,000,000	July 19, 2026	4.777 %	100.000 %
\$	2,000,000,000	July 15, 2027	6.165 %	100.000 %
€	500,000,000	January 19, 2029	5.337 %	99.996 %
\$	750,000,000	July 15, 2029	6.330 %	100.000 %
\$	1,000,000,000	July 15, 2032	6.379 %	100.000 %

Concurrently with the offering of the Acquisition USD Notes, the Company entered into cross-currency swaps to effectively convert \$2.0 billion and \$500 million of the Acquisition USD Notes into a euro-denominated borrowing at prevailing euro interest rates, maturing on July 15, 2027 and July 15, 2032, respectively. The swaps and €1.5 billion of the Acquisition Euro Notes qualify and have been designated as net investment hedges of the Company's foreign currency exchange rate exposure on the net investments of certain of its euro-denominated subsidiaries.

Net proceeds from the sale of the Acquisition Notes will be used, together with borrowings under the Term Loan Credit Agreement, or other debt financing, available borrowings under our revolving credit facility and cash on hand to fund the purchase price of the M&M Acquisition, which the Company anticipates closing around the end of 2022, subject to regulatory approvals and customary closing conditions.

The Acquisition Notes offerings further reduced the availability under the Bridge Facility by approximately \$9.0 billion, resulting in \$552 million in remaining Bridge Facility commitments. The Company accelerated the amortization of the remaining deferred fees of \$26 million related to the Bridge Facility commitment in the three months ended September 30, 2022 ([Note 3](#)).

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 U.S." 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, 2021 filed on February 10, 2022 with the Securities and Exchange Commission ("SEC") as part of the Company's Annual Reporting on Form 10-K ("2021 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 ("U.S. 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 2021 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.

Risk Factors

See *Part I - Item 1A. Risk Factors* of our 2021 Form 10-K for a description of certain risk factors that you should consider which could significantly affect our financial results. In addition, the following factors, among others, 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:

- changes in general economic, business, political and regulatory conditions in the countries or regions in which we operate;
- volatility or changes in the price and availability of raw materials and energy, 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 extent to which resurgences or variants of COVID-19 may adversely impact the economic environment, market demand, our operations, availability and cost of transportation and materials, the labor supply and pace of economic recovery;
- the length and depth of product and industry business cycles particularly in the automotive, electrical, textiles, electronics and construction industries;
- the ability to pass increases in raw material prices, logistics costs and other costs on to customers or otherwise improve margins through price increases;
- the ability to complete the pending acquisition by us of the majority of the Mobility & Materials business (the "M&M Acquisition") of DuPont de Nemours, Inc. ("DuPont") including the possibility that the M&M Acquisition is not completed within the expected timeframe, or at all, because required regulatory approvals are not received or other closing conditions are not satisfied on a timely basis, or at all;

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- the accuracy or inaccuracy of our assumptions regarding anticipated benefits of the M&M Acquisition;
- the possibility that the anticipated benefits of the M&M Acquisition, including synergies and growth opportunities, may not be realized as expected or may not be achieved within the anticipated timeframe, or at all, whether as a result of difficulties arising from the integration of the M&M Business or other unanticipated delays, costs, inefficiencies or liabilities;
- increased commercial, legal or regulatory complexity of entering into, or expanding our exposure to, certain end markets and geographies;
- risks in the global economy and equity and credit markets and their potential impact on our ability to finance the remainder of the purchase price for the M&M Acquisition on acceptable terms, at favorable pricing, in a timely manner, or at all;
- diversion of management's attention from ongoing business operations and opportunities and other disruption caused by the M&M Acquisition and the integration processes and their impact on our existing business and relationships;
- risks and costs associated with increased leverage from the M&M Acquisition, including increased interest expense and potential reduction of business and strategic flexibility;
- the ability to maintain plant utilization rates and to implement planned capacity additions, expansions and maintenance;
- 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;
- the ability to identify desirable potential acquisition targets and to complete and integrate acquisition or investment transactions, including obtaining regulatory approvals, consistent with our strategy;
- market acceptance of our technology;
- compliance and other costs and potential disruption or interruption of production or operations due to accidents, interruptions in sources of raw materials, transportation, logistics or supply chain disruptions, cybersecurity incidents, terrorism or political unrest, public health crises (including, but not limited to, the COVID-19 pandemic), 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 (such as the Russia-Ukraine conflict) or terrorist incidents or as a result of weather, natural disasters, or other crises;
- the ability to obtain governmental approvals and to construct facilities on terms and schedules acceptable to us;
- changes in applicable tariffs, duties and trade agreements, tax rates or legislation throughout the world including, but not limited to, adjustments, changes in estimates or interpretations or the resolution of tax examinations or audits that may impact recorded or future tax impacts and potential regulatory and legislative tax developments in the United States and other jurisdictions;
- changes in the degree of intellectual property and other legal protection afforded to our products or technologies, or the theft of such intellectual property;
- potential liability for remedial actions and increased costs under existing or future environmental, health and safety regulations, including those relating to climate change;
- potential liability resulting from pending or future claims or litigation, including investigations or enforcement actions, 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; 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. COVID-19 and responses to the pandemic by governments and businesses, have significantly increased financial, economic and cost volatility and uncertainty, exacerbating the risks and potential impact of these factors. Should one or more of these risks or uncertainties materialize, affect us in ways or to an extent that we currently do not expect or consider to be significant, 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 chemical and specialty materials company. We are a leading global producer of high performance engineered polymers that are used in a variety of high-value applications, as well as one of the world's largest producers of acetyl products, which are intermediate chemicals, for nearly all major industries. 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 automotive, chemical additives, construction, consumer and industrial adhesives, consumer and medical, energy storage, filtration, food and beverage, paints and coatings, paper and packaging, performance industrial and textiles. 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 across 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 differentiated business models and a clear focus on growth and value creation. Known for operational excellence, reliability and execution of our business strategies, we partner with our customers around the globe to deliver best-in-class technologies and solutions.

On February 17, 2022, we signed a definitive agreement to acquire a majority of the Mobility & Materials business of DuPont de Nemours, Inc. See [Note 3 - Acquisitions, Dispositions and Plant Closures](#) in the accompanying unaudited interim consolidated financial statements for further information.

Results of Operations
Financial Highlights

	Three Months Ended June 30,			Six Months Ended June 30,		
	2022	2021	Change	2022	2021	Change
	(unaudited)					
	(In \$ millions, except percentages)					
Statement of Operations Data						
Net sales	2,486	2,198	288	5,024	3,996	1,028
Gross profit	705	761	(56)	1,450	1,246	204
Selling, general and administrative ("SG&A") expenses	(197)	(161)	(36)	(371)	(298)	(73)
Operating profit (loss)	483	567	(84)	1,014	893	121
Equity in net earnings (loss) of affiliates	60	37	23	116	66	50
Non-operating pension and other postretirement employee benefit (expense) income	25	38	(13)	49	76	(27)
Interest expense	(48)	(24)	(24)	(83)	(49)	(34)
Dividend income - equity investments	36	37	(1)	73	79	(6)
Earnings (loss) from continuing operations before tax	554	660	(106)	1,170	1,069	101
Earnings (loss) from continuing operations	442	544	(102)	946	868	78
Earnings (loss) from discontinued operations	(6)	(4)	(2)	(6)	(5)	(1)
Net earnings (loss)	436	540	(104)	940	863	77
Net earnings (loss) attributable to Celanese Corporation	434	538	(104)	936	860	76
Other Data						
Depreciation and amortization	103	91	12	209	181	28
SG&A expenses as a percentage of Net sales	7.9 %	7.3 %		7.4 %	7.5 %	
Operating margin ⁽¹⁾	19.4 %	25.8 %		20.2 %	22.3 %	

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

	As of June 30, 2022	As of December 31, 2021
	(unaudited) (In \$ millions)	
Balance Sheet Data		
Cash and cash equivalents	783	536
Short-term borrowings and current installments of long-term debt - third party and affiliates	809	791
Long-term debt, net of unamortized deferred financing costs	3,022	3,176
Total debt	3,831	3,967

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, 2022 Compared to Three Months Ended June 30, 2021

	Volume	Price	Currency (unaudited) (In percentages)	Other	Total
Engineered Materials	24	24	(9)	—	39
Acetate Tow	(18)	4	—	—	(14)
Acetyl Chain	(4)	10	(3)	—	3
Total Company	3	14	(4)	—	13

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

	Volume	Price	Currency (unaudited) (In percentages)	Other	Total
Engineered Materials	22	25	(7)	—	40
Acetate Tow	(9)	4	—	—	(5)
Acetyl Chain	1	22	(2)	—	21
Total Company	7	22	(3)	—	26

Consolidated Results

Three Months Ended June 30, 2022 Compared to Three Months Ended June 30, 2021

Net sales increased \$288 million, or 13%, for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing in all of our segments, primarily driven by our Engineered Materials segment due to higher raw material costs, energy costs and product mix, as well as our Acetyl Chain segment due to increased customer demand and supply constraints across most regions; and
- higher volume in our Engineered Materials segment, primarily in elastomers related to our acquisition of the Santoprene™ thermoplastic vulcanizates elastomers business of Exxon Mobil Corporation ("Santoprene");

partially offset by:

- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar; and
- lower volume in our Acetyl Chain segment due to decreased demand primarily in Asia.

Selling, general and administrative expenses increased \$36 million, or 22%, for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher functional and project spending of \$34 million in Other Activities.

Operating profit decreased \$84 million, or 15%, for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher raw material and energy costs across all of our segments; and
- higher spending across most of our segments, primarily driven by our Engineered Materials segment as a result of our acquisition of Santoprene, as well as plant operating and administrative expenses;

partially offset by:

- higher Net sales across most of our segments.

Equity in net earnings (loss) of affiliates increased \$23 million for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- an increase in equity investment in earnings of \$23 million from our Ibn Sina strategic affiliate, primarily as a result of tighter market conditions and stronger demand.

Our effective income tax rate for the three months ended June 30, 2022 was 20% compared to 18% for the same period in 2021. The higher effective income tax rate for the three months ended June 30, 2022 compared to the same period in 2021 was primarily due to increased earnings in high tax jurisdictions. See [Note 11 - Income Taxes](#) in the accompanying unaudited interim consolidated financial statements for further information.

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

Net sales increased \$1.0 billion, or 26%, for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing in all of our segments, primarily driven by our Acetyl Chain segment due to increased customer demand and supply constraints across most regions, as well as our Engineered Materials segment due to higher raw material costs, energy costs and product mix; and
- higher volume in most of our segments, primarily driven by our Engineered Materials segment, primarily in elastomers related to our acquisition of Santoprene;

partially offset by:

- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar.

Selling, general and administrative expenses increased \$73 million, or 24%, for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher functional and project spending of \$66 million in Other Activities.

Operating profit increased \$121 million, or 14%, for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher Net sales across most of our segments;

partially offset by:

- higher raw material and energy costs across all of our segments; and
- higher spending across most of our segments, primarily driven by our Engineered Materials segment as a result of our acquisition of Santoprene, as well as plant operating and administrative expenses.

Non-operating pension and other postretirement employee benefit income decreased \$27 million, or 36%, for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower expected return on plan assets and higher interest cost.

Equity in net earnings (loss) of affiliates increased \$50 million for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- an increase in equity investment in earnings of \$37 million from our Ibn Sina strategic affiliate, primarily as a result of tighter market conditions and stronger demand.

Our effective income tax rate was 19% for the six months ended June 30, 2022 and 2021. See [Note 11 - Income Taxes](#) in the accompanying unaudited interim consolidated financial statements for further information.

Business Segments

Engineered Materials

	Three Months Ended June 30,		Change	% Change	Six Months Ended June 30,		Change	% Change
	2022	2021			2022	2021		
(In \$ millions, except percentages)								
Net sales	948	682	266	39.0 %	1,858	1,327	531	40.0 %
Net Sales Variance								
Volume	24 %				22 %			
Price	24 %				25 %			
Currency	(9)%				(7)%			
Other	— %				— %			
Operating profit (loss)	166	123	43	35.0 %	290	253	37	14.6 %
Operating margin	17.5 %	18.0 %			15.6 %	19.1 %		
Equity in net earnings (loss) of affiliates	53	32	21	65.6 %	102	57	45	78.9 %
Depreciation and amortization	45	35	10	28.6 %	91	70	21	30.0 %

Our Engineered Materials segment includes our engineered materials business, our food ingredients 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. Our food ingredients business is a leading global supplier of acesulfame potassium for the food and beverage industry and is a leading producer of food protection ingredients, such as potassium sorbate and sorbic acid.

The pricing of products within the Engineered Materials segment is primarily based on the value of the material we produce and is generally independent of changes in the cost of raw materials, but may be impacted during periods of inflation and increased costs. Therefore, in general, margins may expand or contract in response to changes in raw material costs. We attempt to address increases in raw material costs through appropriate pricing actions.

Three Months Ended June 30, 2022 Compared to Three Months Ended June 30, 2021

Net sales increased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing for most of our products, primarily due to higher raw material costs, higher energy costs and product mix; and
- higher volume, primarily in elastomers related to our acquisition of Santoprene;

partially offset by:

- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar.

Operating profit increased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher Net sales;

largely offset by:

- higher raw material costs for all of our products and increased sourcing costs as a result of higher logistical costs and global shipping constraints;

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- higher energy costs of \$47 million, primarily for steam; and
- higher spending of \$38 million, primarily as a result of our acquisition of Santoprene, as well as plant operating and administrative expenses.

Equity in net earnings (loss) of affiliates increased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- an increase in equity investment in earnings of \$23 million from our Ibn Sina strategic affiliate, primarily as a result of tighter market conditions and stronger demand.

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

Net sales increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing for most of our products, primarily due to higher raw material costs, higher energy costs and product mix; and
- higher volume, primarily in elastomers related to our acquisition of Santoprene;

partially offset by:

- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar.

Operating profit increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher Net sales;

largely offset by:

- higher raw material costs for all of our products and increased sourcing costs as a result of higher logistical costs and global shipping constraints;
- higher energy costs of \$80 million, primarily for steam; and
- higher spending of \$77 million, primarily as a result of our acquisition of Santoprene, as well as plant operating and administrative expenses.

Equity in net earnings (loss) of affiliates increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- an increase in equity investment in earnings of \$37 million from our Ibn Sina strategic affiliate, primarily as a result of tighter market conditions and stronger demand.

Acetate Tow

	Three Months Ended June 30,			% Change	Six Months Ended June 30,			% Change
	2022	2021	Change		2022	2021	Change	
	(unaudited)							
	(In \$ millions, except percentages)							
Net sales	119	138	(19)	(13.8)%	244	257	(13)	(5.1)%
Net Sales Variance								
Volume	(18)%				(9)%			
Price	4 %				4 %			
Currency	— %				— %			
Other	— %				— %			
Operating profit (loss)	(1)	24	(25)	(104.2)%	3	40	(37)	(92.5)%
Operating margin	(0.8)%	17.4 %			1.2 %	15.6 %		
Dividend income - equity investments	36	37	(1)	(2.7)%	72	78	(6)	(7.7)%
Depreciation and amortization	10	9	1	11.1 %	21	19	2	10.5 %

Our Acetate Tow segment serves consumer-driven applications. We are a leading global producer and supplier of acetate tow and acetate flake, primarily used in filter products applications.

The pricing of products within the Acetate Tow segment is sensitive to demand and is primarily based on the value of the product we produce. Many sales in this business are conducted under contracts with pricing for one or more years. As a result, margins may expand or contract in response to changes in market conditions over these similar periods, and we may be unable to adjust pricing due to other factors, such as the intense level of competition in the industry.

Three Months Ended June 30, 2022 Compared to Three Months Ended June 30, 2021

Net sales decreased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower acetate tow volume primarily related to timing of orders as a result of Winter Storm Uri supply disruptions in the prior year, as well as supply constraints and shipping vessel disruptions in the current year.

Operating profit decreased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower Net sales; and
- higher energy costs of \$16 million, primarily related to natural gas pricing.

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

Net sales decreased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower acetate tow volume primarily related to dynamic market conditions, as well as supply constraints and shipping vessel disruptions.

Operating profit decreased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher energy costs of \$24 million, primarily related to natural gas pricing; and
- lower Net sales.

Acetyl Chain

	Three Months Ended June 30,			% Change	Six Months Ended June 30,			% Change
	2022	2021	Change		2022	2021	Change	
(unaudited)								
(In \$ millions, except percentages)								
Net sales	1,456	1,409	47	3.3 %	2,994	2,465	529	21.5 %
Net Sales Variance								
Volume	(4)%				1 %			
Price	10 %				22 %			
Currency	(3)%				(2)%			
Other	— %				— %			
Operating profit (loss)	429	516	(87)	(16.9)%	928	767	161	21.0 %
Operating margin	29.5 %	36.6 %			31.0 %	31.1 %		
Depreciation and amortization	42	43	(1)	(2.3)%	87	84	3	3.6 %

Our Acetyl Chain segment includes the integrated chain of our intermediate chemistry, emulsion polymers, ethylene vinyl acetate ("EVA") polymers and redispersible powders ("RDP") businesses. Our intermediate chemistry business produces and supplies acetyl products, including acetic acid, vinyl acetate monomer ("VAM"), acetic anhydride and acetate esters. These products are generally used as starting materials for colorants, paints, adhesives, coatings and pharmaceuticals. It also produces organic solvents and intermediates for pharmaceutical, agricultural and chemical products. Our emulsion polymers business is a leading global producer of vinyl acetate-based emulsions and develops products and application technologies to improve performance, create value and drive innovation in applications such as paints and coatings, adhesives, construction, glass fiber, textiles and paper. Our EVA polymers business is a leading North American manufacturer of a full range of specialty EVA resins and compounds, as well as select grades of low-density polyethylene. Our EVA polymers products are used in many applications, including flexible packaging films, lamination film products, hot melt adhesives, automotive parts and carpeting. Our RDP business is a leading manufacturer of redispersible polymer powders, sold under the Elotex[®] brand. The business produces polymer emulsions which are converted into powdered thermoplastic resin materials. RDP products are used in a variety of applications in the mortar industry, including decorative mortar, exterior insulation and finish systems, gypsum-based materials, plaster and render, self-leveling floor systems, skim coat and tile adhesives.

The pricing of products within the Acetyl Chain is influenced by industry utilization rates and changes in the cost of raw materials. Therefore, in general, there is a directional correlation between these factors and our Net sales for most Acetyl Chain products. This impact to pricing typically lags changes in raw material costs over months or quarters.

Three Months Ended June 30, 2022 Compared to Three Months Ended June 30, 2021

Net sales increased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing for most of our products, primarily due to tighter market conditions as a result of increased customer demand in the western hemisphere and supply constraints across most regions;

partially offset by:

- lower volume for most of our products due to decreased demand primarily in Asia; and
- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar.

Operating profit decreased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher raw material and sourcing costs, primarily for ethylene, carbon monoxide and methanol due to stronger demand and tighter market conditions, as well as higher distribution costs due to global shipping constraints;
- higher spending of \$30 million, primarily as a result of increased plant operating and maintenance expenses; and
- higher energy costs of \$25 million, primarily due to price increases for natural gas, steam and electricity;

partially offset by:

- higher Net sales.

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

Net sales increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher pricing for most of our products, primarily due to tighter market conditions as a result of increased customer demand in the western hemisphere and supply constraints across most regions; and
- higher volume, primarily for VAM due to lower competitor utilization in the western hemisphere;

partially offset by:

- lower volume for most of our other products due to decreased demand primarily in Asia; and
- an unfavorable currency impact resulting from a weaker Euro relative to the U.S. dollar.

Operating profit increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher Net sales;

largely offset by:

- higher raw material and sourcing costs, primarily for ethylene, carbon monoxide and methanol due to stronger demand and tighter market conditions, as well as higher distribution costs due to global shipping constraints;
- higher spending of \$48 million, primarily as a result of increased plant operating and maintenance expenses; and
- higher energy costs of \$35 million, primarily due to price increases for electricity, steam and natural gas.

Other Activities

	Three Months Ended June 30,			% Change	Six Months Ended June 30,			% Change
	2022	2021	Change		2022	2021	Change	
	(unaudited)							
	(In \$ millions, except percentages)							
Operating profit (loss)	(111)	(96)	(15)	(15.6)%	(207)	(167)	(40)	(24.0)%
Non-operating pension and other postretirement employee benefit (expense) income	25	38	(13)	(34.2)%	49	76	(27)	(35.5)%

Other Activities primarily consists of corporate center costs, including administrative activities such as finance, information technology and human resource functions, interest income and expense associated with financing activities and results of our captive insurance companies. Other Activities also includes the components of net periodic benefit cost (interest cost, expected return on assets and net actuarial gains and losses) for our defined benefit pension plans and other postretirement plans not allocated to our business segments.

Three Months Ended June 30, 2022 Compared to Three Months Ended June 30, 2021

Operating loss increased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher functional and project spending of \$34 million;

partially offset by:

- lower incentive compensation cost.

Non-operating pension and other postretirement employee benefit income decreased for the three months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower expected return on plan assets and higher interest cost.

Six Months Ended June 30, 2022 Compared to Six Months Ended June 30, 2021

Operating loss increased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- higher functional and project spending of \$66 million;

partially offset by:

- lower incentive compensation cost.

Non-operating pension and other postretirement employee benefit income decreased for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- lower expected return on plan assets and higher interest cost.

Liquidity and Capital Resources

Our primary sources of liquidity are cash generated from operations, available cash and cash equivalents, dividends from our portfolio of strategic investments and available borrowings under our senior unsecured revolving credit facility. As of June 30, 2022, we have \$1.5 billion available for borrowing under our senior unsecured revolving credit facility, if required, in meeting our working capital needs and other contractual obligations. In addition, we held cash and cash equivalents of \$783 million as of June 30, 2022. We are actively managing our business to maintain cash flow, and we believe that liquidity from the above-referenced sources will be sufficient to meet our operational and capital investment needs and financial obligations for the foreseeable future.

On February 17, 2022, we signed a definitive agreement to acquire a majority of the Mobility & Materials business of DuPont de Nemours, Inc. (the "M&M Acquisition") for a purchase price of \$11.0 billion, subject to certain adjustments, in an all-cash transaction. For further information regarding the acquisition and related financing transactions, see *Debt and Other Obligations* in this [Liquidity and Capital Resources](#) and [Note 3 - Acquisitions, Dispositions and Plant Closures](#) in the accompanying unaudited interim consolidated financial statements.

Our incurrence of debt to finance the purchase price for the M&M Acquisition will increase our leverage and will increase, as of the closing of the M&M Acquisition, our ratio of indebtedness to consolidated EBITDA as set forth in our senior unsecured credit facilities. We believe that cash flows from our operations, together with cash generation, synergy opportunities from the M&M Acquisition and cost reduction initiatives, will support our deleveraging efforts over the next few years. In furtherance of these deleveraging efforts, we have paused our share repurchase program, reevaluated and reduced our anticipated 2022 capital expenditures by approximately \$50 million and are in the process of evaluating additional cash generation opportunities which may include the opportunistic disposition or monetization of product or business lines or other assets. We are committed to rapid deleveraging and to maintaining our investment grade debt rating.

While our contractual obligations, commitments and debt service requirements over the next several years are significant, we continue to believe we will have available resources to meet our liquidity requirements, including debt service, for the next twelve months. If our cash flow from operations is insufficient to fund our debt service and other obligations, we may be required to use other means available to us such as increasing our borrowings, reducing or delaying capital expenditures, seeking additional capital or seeking to restructure or refinance our indebtedness. There can be no assurance, however, that we will continue to generate cash flows at or above current levels.

We continue to prioritize those projects expected to drive productivity in the near-term and expect capital expenditures to be approximately \$550 million in 2022, primarily due to certain investments in growth opportunities and productivity improvements. In Engineered Materials, our planned expansion of the compounding capacity at our facilities in China is experiencing some delays due to certain permitting issues. In the Acetyl Chain, our planned expansion of (1) the capacity of our vinyl acetate ethylene ("VAE") and emulsions plants in Nanjing, China, (2) the capacity of our vinyl acetate monomer ("VAM") plant in Bay City, Texas and (3) the sustainable production of methanol at our Fairway joint venture in Clear Lake, Texas using captured carbon dioxide as feedstock, are on schedule. Lastly, our planned acetic acid expansion in Clear Lake, Texas and our VAE emulsion plant expansion in Frankfurt, Germany, are still in construction and on schedule. We continue to see the incremental capacity from investments made in recent years strengthen our manufacturing network reliability to best serve our customers.

On a stand-alone basis, Celanese and its immediate 100% owned subsidiary, Celanese U.S., have no independent external operations of their own. Accordingly, they generally depend on the cash flow of their subsidiaries and their ability to pay dividends and make other distributions to Celanese and Celanese U.S. in order to meet their obligations, including their obligations under senior credit facilities and senior notes, and to pay dividends on our Common Stock.

We are subject to capital controls and exchange restrictions imposed by the local governments in certain jurisdictions where we operate, such as China, India and Indonesia. Capital controls impose limitations on our ability to exchange currencies, repatriate earnings or capital, lend via intercompany loans or create cross-border cash pooling arrangements. Our largest exposure to a country with capital controls is in China. Pursuant to applicable regulations, foreign-invested enterprises in China may pay dividends only out of their accumulated profits, if any, determined in accordance with Chinese accounting standards and regulations. In addition, the Chinese government imposes certain currency exchange controls on cash transfers out of China, puts certain limitations on duration, purpose and amount of intercompany loans, and restricts cross-border cash pooling. While it is possible that future tightening of these restrictions or application of new similar restrictions could impact us, these limitations do not currently restrict our operations.

We remain in compliance with the financial covenants under our senior unsecured credit facilities and expect to remain in compliance based on our current expectation of future results of operations. If our actual future results of operations differ materially from these expectations, we may be required to seek an amendment or waiver of such covenants which may increase our borrowing costs under those debt instruments.

Cash Flows

Cash and cash equivalents increased \$247 million to \$783 million as of June 30, 2022 compared to December 31, 2021. As of June 30, 2022, \$607 million of the \$783 million of cash and cash equivalents was held by our foreign subsidiaries. Under the TCJA, we have incurred a prior year charge associated with the deemed repatriation of previously unremitted foreign earnings, including foreign held cash. These funds are largely accessible without additional material tax consequences, if needed in the U.S., to fund operations.

• Net Cash Provided by (Used in) Operating Activities

Net cash provided by operating activities increased \$268 million to \$811 million for the six months ended June 30, 2022 compared to the same period in 2021, primarily due to:

- a payment for the European Commission settlement of \$100 million, which did not recur in the current year;
- a decrease in VAT taxes receivable primarily due to the receipt of refunds during the six months ended June 30, 2022; and
- an increase in Net earnings.

• Net Cash Provided by (Used in) Investing Activities

Net cash used in investing activities increased \$560 million to \$285 million for the six months ended June 30, 2022 compared to net cash provided by investing activities of \$275 million for the same period in 2021, primarily due to:

- proceeds from the sale of marketable securities of \$500 million, which did not recur in the current year; and
- an increase of \$59 million in capital expenditures during the six months ended June 30, 2022.

• Net Cash Provided by (Used in) Financing Activities

Net cash used in financing activities decreased \$461 million to \$254 million for the six months ended June 30, 2022 compared to \$715 million for the same period in 2021, primarily due to:

- a decrease in share repurchases of our Common Stock of \$500 million during the six months ended June 30, 2022; and
- a decrease in repayments on long-term debt of \$401 million, primarily due to the maturity of the 5.875% senior unsecured notes ("5.875% Notes") which were repaid during the six months ended June 30, 2021;

partially offset by:

- a decrease in net borrowings on short-term debt of \$387 million, primarily due to borrowing under the senior unsecured revolving credit facility to repay the 5.875% Notes which matured during the six months ended June 30, 2021; and
- a payment of \$63 million during the six months ended June 30, 2022 for fees related to a bridge facility commitment letter with Bank of America, N.A. ("Bank of America") pursuant to which Bank of America has committed to provide, subject to the terms and conditions set therein, a 364-day \$11.0 billion senior unsecured bridge term loan facility (the "Bridge Facility").

Debt and Other Obligations

On March 18, 2022, we entered into a term loan credit agreement (the "Term Loan Credit Agreement"), pursuant to which lenders have committed to provide a tranche of delayed-draw term loans due 364 days from issuance in an amount equal to \$500 million and a tranche of delayed-draw term loans due 5 years from issuance in an amount equal to \$1.0 billion (the "Term Loan Facility"), which reduced the commitments under the Bridge Facility by corresponding amounts. The Term Loan Facility, subject to the terms and conditions set forth in the Term Loan Credit Agreement, together with the Bridge Facility (or, if applicable, any replacement debt financing obtained in the form of additional term loans and/or the issuance of notes in a public offering or private placement), will be available to finance the M&M Acquisition, and to pay fees and expenses related thereto. The Term Loan Credit Agreement is guaranteed by Celanese and domestic subsidiaries representing substantially all of our U.S. assets and business operations.

On March 18, 2022, we entered into a new revolving credit agreement (the "New Revolving Credit Agreement" and, together with the Term Loan Credit Agreement the "Credit Agreements") consisting of a \$1.75 billion senior unsecured revolving credit facility (with a letter of credit sublimit), maturing in 2027. The proceeds of a \$365 million borrowing under the new senior unsecured revolving credit facility were used to repay and terminate our existing revolving credit facility.

As described above, the entry into the Term Loan Credit Agreement reduced availability under the Bridge Facility by \$1.5 billion, resulting in \$9.5 billion in Bridge Facility commitments remaining as of June 30, 2022.

On July 14, 2022, Celanese U.S. completed an offering of senior unsecured notes consisting of \$2.0 billion principal amount due 2024, \$1.75 billion principal amount due 2025, \$2.0 billion principal amount due 2027, \$750 million principal amount due 2029 and \$1.0 billion principal amount due 2032 (collectively, the "Acquisition USD Notes"). Additionally, on July 19, 2022, Celanese U.S. completed an offering of senior unsecured notes consisting of €1.0 billion principal amount due 2026 and €500 million principal amount due 2029 (collectively, the "Acquisition Euro Notes" and, together with the Acquisition USD Notes, the "Acquisition Notes"). Estimated fees and expenses of the offering of the Acquisition Notes, inclusive of underwriting discounts, were approximately \$65 million. The Acquisition Notes offerings further reduced the availability under the Bridge Facility by approximately \$9.0 billion, resulting in \$552 million in remaining Bridge Facility commitments. We plan to accelerate the amortization of the remaining deferred fees of approximately \$26 million related to the Bridge Facility commitment in the three months ended September 30, 2022. See [Note 3 - Acquisitions, Dispositions and Plant Closures](#) and [Note 18 - Subsequent Events](#) in the accompanying unaudited interim consolidated financial statements for further information.

There have been no material changes to our debt or other obligations described in our 2021 Form 10-K other than those disclosed above and in [Note 7 - Debt](#) and [Note 18 - Subsequent Events](#) in the accompanying unaudited interim consolidated financial statements.

Accounts Receivable Purchasing Facility

In June 2021, we entered into an amendment to the amended and restated receivables purchase agreement under our U.S. accounts receivable purchasing facility among certain of our subsidiaries, our wholly-owned, "bankruptcy remote" special purpose subsidiary ("SPE") and certain global financial institutions ("Purchasers"). We de-recognized \$536 million and \$1.1 billion of accounts receivable under this agreement for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively, and collected \$536 million and \$1.1 billion of accounts receivable sold under this agreement during the same periods. Unsold U.S. accounts receivable of \$139 million were pledged by the SPE as collateral to the Purchasers as of June 30, 2022.

Factoring and Discounting Agreements

We have factoring agreements in Europe and Singapore with financial institutions to sell 100% and 90% of certain accounts receivable, respectively, on a non-recourse basis. We de-recognized \$139 million and \$230 million of accounts receivable under these factoring agreements for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively, and collected \$163 million and \$185 million of accounts receivable sold under these factoring agreements during the same periods.

In March 2021, we entered into an agreement in Singapore with a financial institution to discount, on a non-recourse basis, documentary credits or other documents recorded as accounts receivable. We de-recognized \$32 million and \$70 million of accounts receivable under this agreement for the six months ended June 30, 2022 and twelve months ended December 31, 2021, respectively.

See [Note 7 - Debt](#) in the accompanying unaudited interim consolidated financial statements for further information.

Guarantor Financial Information

We have 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 U.S. ("Issuer") and are guaranteed by Celanese Corporation ("Parent Guarantor") and the Subsidiary Guarantors (collectively the "Obligor Group"). See [Note 7 - Debt](#) in the accompanying unaudited interim consolidated financial statements for further information. The Issuer and Subsidiary Guarantors are 100% owned subsidiaries of the Parent Guarantor. The Subsidiary Guarantors are listed in [Exhibit 22.1](#) to this Quarterly Report.

The Parent Guarantor and the Subsidiary Guarantors have guaranteed the Senior Notes on a full and unconditional, joint and several, senior unsecured basis. The guarantees are subject to certain customary release provisions, including that a Subsidiary Guarantor will be released from its respective guarantee in specified circumstances, including (i) the sale or transfer of all of its assets or capital stock; (ii) its merger or consolidation with, or transfer of all or substantially all of its assets to, another person; or (iii) its ceasing to be a majority-owned subsidiary of the Issuer in connection with any sale of its capital stock or other transaction. Additionally, a Subsidiary Guarantor will be released from its guarantee of the Senior Notes at such time that it ceases to guarantee the Issuer's obligations under the Credit Agreements (subject to the satisfaction of customary document delivery requirements). The obligations of the Subsidiary Guarantors under their guarantees are limited as necessary to prevent such guarantees from constituting a fraudulent conveyance or fraudulent transfer under applicable law.

The Parent Guarantor and the Issuer are holding companies that conduct substantially all of their operations through their subsidiaries, which own substantially all of our consolidated assets. The Parent Guarantor has no material assets other than the stock of its immediate 100% owned subsidiary, the Issuer. The principal source of cash to pay the Parent Guarantor's and the Issuer's obligations, including obligations under the Senior Notes and the guarantee of the Issuer's obligations under the Credit Agreement, is the cash that our subsidiaries generate from their operations. Each of the Subsidiary Guarantors and our non-guarantor subsidiaries is a distinct legal entity and, under certain circumstances, applicable country or state laws, regulatory limitations and terms of other debt instruments may limit our subsidiaries' ability to distribute cash to the Issuer and the Parent Guarantor.

For cash management purposes, we transfer cash among 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. While the non-guarantor subsidiaries do not guarantee the Issuer's obligations under our outstanding debt, 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 Senior Notes, Credit Agreement, other outstanding debt, Common Stock dividends and Common Stock repurchases.

The summarized financial information of the Obligor Group is presented below on a combined basis after the elimination of: (i) intercompany transactions among such entities and (ii) equity in earnings from and investments in the non-guarantor subsidiaries. Transactions with, and amounts due to or from, non-guarantor subsidiaries and affiliates are separately disclosed.

	Six Months Ended June 30, 2022
	(In \$ millions) (unaudited)
Net sales to third parties	1,008
Net sales to non-guarantor subsidiaries	468
Total net sales	<u>1,476</u>
Gross profit	214
Earnings (loss) from continuing operations	(144)
Net earnings (loss)	(148)
Net earnings (loss) attributable to the Obligor Group	(148)

	As of June 30, 2022	As of December 31, 2021
	(In \$ millions) (unaudited)	
Receivables from non-guarantor subsidiaries	557	624
Other current assets	1,348	1,236
Total current assets	1,905	1,860
Goodwill	578	578
Other noncurrent assets	2,801	2,584
Total noncurrent assets	3,379	3,162
Current liabilities due to non-guarantor subsidiaries	2,941	2,493
Current liabilities due to affiliates	39	64
Other current liabilities	1,431	1,347
Total current liabilities	4,411	3,904
Noncurrent liabilities due to non-guarantor subsidiaries	2,326	2,348
Other noncurrent liabilities	3,508	3,610
Total noncurrent liabilities	5,834	5,958

Share Capital

We declared a quarterly cash dividend of \$0.68 per share on our Common Stock on July 13, 2022, amounting to \$74 million.

There have been no material changes to our share capital described in our 2021 Form 10-K other than those disclosed above and in [Note 10 - Stockholders' Equity](#) in the accompanying unaudited interim consolidated financial statements.

Contractual Obligations

We have not entered into any material off-balance sheet arrangements.

Except as otherwise described in this report, there have been no material revisions outside the ordinary course of business to our contractual obligations as described in our 2021 Form 10-K.

Business Environment

We continue to experience significant cost inflation, inflationary pressure and supply disruptions related to the sourcing of raw materials, energy, logistics and labor in 2022. We continue to closely monitor the impact of, and responses to, COVID-19 variants, including government imposed lockdowns in China and elsewhere, on demand conditions and the supply chain. Average prices of energy feedstocks, particularly natural gas, which are a significant input and source of energy for our manufacturing operations, have continued to increase in the Western Hemisphere and particularly in Europe. We also experienced, and continue to experience, cost pressure on raw material inputs. We have continued pricing actions intended to offset these inflationary headwinds. Continued moderation of acetyls pricing is expected to trend to more normalized levels as the year progresses. We expect that sourcing costs and inflationary pressures will continue to be significant across the business throughout the year.

We continue to monitor and respond to the situation in Ukraine. While the conflict has not had a material impact on our business, financial condition or results of operations to date, we have experienced shortages in materials and increased costs for transportation, energy and raw materials as well as other supply chain challenges, particularly in Europe, due in part to the effects of the conflict, and government responses thereto, including sanctions, on the global economy. We continue to monitor these developments.

Following Russia's invasion, we have suspended sales into Russia, Belarus and the sanctioned regions of Ukraine. Revenue from these countries and regions constituted less than 1% of our consolidated net sales in fiscal year 2021 and we have no manufacturing assets in these countries or regions.

We do not currently expect the situation to result in a material impact on our business or financial results, but the full impact of the conflict remains uncertain and will depend on future geopolitical and economic developments that are impossible to predict.

Potential risks we may face include increased volatility in capital and commodity markets, rapid changes to sanctions, continued supply chain and transportation disruptions, exacerbation of inflationary conditions, impacts to consumer or business sentiment and an increased risk of cyber security incidents as well as the impacts referenced above.

Critical Accounting Policies and Estimates

Our unaudited interim consolidated financial statements are based on the selection and application of significant accounting policies. The preparation of unaudited interim consolidated financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, 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. Actual results could differ from those estimates. However, we are not currently aware of any reasonably likely events or circumstances that would result in materially different results.

We describe our significant accounting policies in Note 2 - Summary of Accounting Policies, of the Notes to the Consolidated Financial Statements included in our 2021 Form 10-K. We discuss our critical accounting policies and estimates in MD&A in our 2021 Form 10-K.

Recent Accounting Pronouncements

See [Note 2 - Recent Accounting Pronouncements](#) in the accompanying unaudited interim consolidated financial statements included in this Quarterly Report for information regarding recent accounting pronouncements.

Item 3. *Quantitative and Qualitative Disclosures about Market Risk*

Market risk for the Company has not changed materially from the foreign exchange, interest rate and commodity risks disclosed in Item 7A. Quantitative and Qualitative Disclosures about Market Risk in our 2021 Form 10-K. See also [Note 12 - Derivative Financial Instruments](#) in the accompanying unaudited interim consolidated financial statements for further discussion of our market risk management and the related impact on the Company's financial position and results of operations.

Item 4. *Controls and Procedures*

Disclosure Controls and Procedures

Under the supervision and with the participation of our management, including the Chief Executive Officer and Chief Financial Officer, we have evaluated the effectiveness of our disclosure controls and procedures pursuant to Rule 13a-15(b) under the Securities Exchange Act of 1934, as amended, as of the end of the period covered by this report. Based on that evaluation, as of June 30, 2022, the Chief Executive Officer and Chief Financial Officer have concluded that our disclosure controls and procedures are effective.

Changes in Internal Control Over Financial Reporting

During the period covered by this report, there were no changes in our internal control over financial reporting that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

PART II — OTHER INFORMATION

Item 1. *Legal Proceedings*

The Company is involved in legal and regulatory proceedings, lawsuits, claims and investigations incidental to the normal conduct of its business, relating to such matters as product liability, land disputes, insurance coverage disputes, contracts, employment, antitrust and competition, intellectual property, personal injury and other actions in tort, workers' compensation, chemical exposure, asbestos exposure, taxes, trade compliance, acquisitions and divestitures, claims of current and legacy stockholders, past waste disposal practices and release of chemicals into the environment. The Company is actively defending those matters where it is named as a defendant. Due to the inherent subjectivity of assessments and unpredictability of outcomes of legal proceedings, the Company's litigation accruals and estimates of possible loss or range of possible loss may not represent the ultimate loss to the Company from legal proceedings. See [Note 9 - Environmental](#) and [Note 14 - Commitments and Contingencies](#) in the accompanying unaudited interim consolidated financial statements for a discussion of material environmental matters and material commitments and contingencies related to legal and regulatory proceedings. There have been no significant developments in the "Legal Proceedings" described in our 2021 Form 10-K other than those disclosed in [Note 9 - Environmental](#) and [Note 14 - Commitments and Contingencies](#) in the accompanying unaudited interim consolidated financial statements. See *Part I - Item 1A. Risk Factors* of our 2021 Form 10-K for certain risk factors relating to these legal proceedings.

Item 1A. *Risk Factors*

Additional risk factors are described below and should be read in conjunction with Part I, Item 1A of our 2021 Form 10-K.

Risks Relating to the pending acquisition of the majority of the Mobility & Materials business (the "M&M Acquisition" and such business being acquired, the "M&M Business") of DuPont de Nemours, Inc. ("DuPont")

We have made certain assumptions relating to the M&M Acquisition which may prove to be materially inaccurate and we may fail to realize all of the anticipated benefits of the acquisition.

We have made certain assumptions relating to the M&M Acquisition, which may prove to be inaccurate. Our failure to identify, or understand the magnitude of, the problems, liabilities or other challenges associated with the M&M Acquisition could result in incorrect expectations of future results and increased risk of unanticipated or unknown issues or liabilities. Our mitigation strategies for such risks that are identified may be ineffective. These assumptions relate to numerous matters, including:

- general economic and business conditions, and performance of the M&M Business against this backdrop;
- potential unknown liabilities and unforeseen delays or regulatory conditions associated with the M&M Acquisition;
- faulty assumptions or incorrect expectations regarding the process of integrating the M&M Business with ours, including unanticipated delays, costs or inefficiencies;
- the anticipated benefits and synergies, including timing for when such benefits and synergies may be realized through combining the M&M Business with ours;
- the amount of attention and resources needed to successfully align our and the M&M Business's practices and operations which may disrupt our business, including challenges relating to integrating commercial activities, technologies, procedures, policies, retaining key personnel and addressing differences in the business cultures of our business and the M&M Business;
- the complexities associated with managing the combined businesses;
- potential increases in the challenges and risks, including commercial and financial risks, associated with our broader international business footprint, and increased exposure to certain end markets and geographies, as a result of the M&M Acquisition which will expand our presence to markets in which we may not have previously done business; and
- other financial and strategic risks of the M&M Acquisition.

We cannot guarantee that we will achieve our goals or meet our expectations with respect to the M&M Acquisition. The full benefits of the M&M Acquisition, including the anticipated financial benefits and the synergies and growth opportunities, may

not be realized as expected or may not be achieved within the anticipated timeframe, or at all. If our assumptions are inaccurate or we are unable to meet our expectations (including our expectations regarding financial targets), our business, financial performance and operating results could be materially and adversely affected.

In the event that the M&M Acquisition is not consummated on or prior to August 17, 2023 or the February 17, 2022 definitive agreement (the "Transaction Agreement") is terminated at any time prior thereto, we will be required to redeem the senior unsecured notes of \$2.0 billion principal amount due 2024, \$1.75 billion principal amount due 2025, €1.0 billion principal amount due 2026, \$2.0 billion principal amount due 2027, \$750 million principal amount due 2029, €500 million principal amount due 2029 and \$1.0 billion principal amount due 2032 (collectively the "Acquisition Notes") and may not have the funds for the redemption price of all of the Acquisition Notes.

Our ability to consummate the M&M Acquisition is subject to various closing conditions, many of which are beyond our control, and we may not be able to consummate the M&M Acquisition within the timeframe specified under the Transaction Agreement. If the M&M Acquisition is not consummated on or before August 17, 2023, or such later date as the parties to the Transaction Agreement may agree as the "Outside Date" thereunder, or if the Transaction Agreement is terminated without the M&M Acquisition being consummated, we will be required to redeem the outstanding notes at a redemption price equal to 101% of the principal amount of the Acquisition Notes, plus accrued and unpaid interest to, but excluding, the date of such required redemption (such redemption referred to as a "Special Mandatory Redemption"), and there can be no assurance that we will have sufficient funds available for the redemption price of all of these Acquisition Notes.

We are not obligated to place the net proceeds from the sale of the Acquisition Notes in escrow prior to the closing of the M&M Acquisition and, as a result, we may not be able to repurchase all of the Acquisition Notes upon a Special Mandatory Redemption.

The net proceeds from the sale of the Acquisition Notes will not be deposited into an escrow account pending any Special Mandatory Redemption, and the indenture governing the Acquisition Notes imposes no restrictions on our use of these proceeds during that time. Accordingly, the source of funds for any redemption of notes upon a Special Mandatory Redemption would be the proceeds that we have retained or other sources of liquidity, including available cash, borrowings, or sales of assets. Until the M&M Acquisition is closed, we will hold funds that are not immediately needed for the acquisition in cash and cash equivalents, however, it is possible that we will not have sufficient financial resources available to satisfy our obligations, if any, to redeem all of the Acquisition Notes if we are required to do so pursuant to the Special Mandatory Redemption. Furthermore, our failure to redeem or repurchase the Acquisition Notes as required under the indenture would result in a default under the indenture, which could result in defaults under certain of our other debt agreements and have material adverse consequences for us and the holders of the Acquisition Notes.

Financing the M&M Acquisition will result in an increase in our indebtedness, which could adversely affect us, including by decreasing our business flexibility and increasing our interest expense.

We intend to finance a portion of the \$11.0 billion purchase price of the M&M Acquisition with the net proceeds from the Acquisition Notes offerings. This increase in our indebtedness may, among other things, reduce our flexibility to respond to changing business and economic conditions or to fund capital expenditures or working capital needs. In addition, the amount of cash required to pay interest on our increased indebtedness, and thus the demands on our cash resources, will materially increase as a result of the indebtedness to finance the M&M Acquisition.

The Transaction Agreement and related documents may be amended or modified without noteholder consent.

Between the time of the issuance of the Acquisition Notes and the consummation of the M&M Acquisition, the parties to the Transaction Agreement or other related transaction documents may agree to modify or waive the terms or conditions of such documents without noteholder consent. The requirements for a Special Mandatory Redemption will not preclude the transaction parties from making certain changes to the terms of the M&M Acquisition or from waiving certain conditions to the M&M Acquisition, which may adversely affect investment in the Acquisition Notes.

Completion of the M&M Acquisition is subject to conditions, and if these conditions are not satisfied or waived, the M&M Acquisition will not be completed.

Each of our and DuPont's obligation to complete the M&M Acquisition is subject to the satisfaction or waiver of a number of conditions set forth in the Transaction Agreement. These include, among others, the accuracy of the parties' respective representations and warranties in the Transaction Agreement, subject to specified materiality qualifications; compliance by the parties with their respective covenants in the Transaction Agreement in all material respects; the absence of any law or order

enjoining or prohibiting the consummation of the M&M Acquisition; the expiration or termination of the waiting period applicable to the M&M Acquisition under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended; the receipt of other antitrust approvals in certain foreign jurisdictions; and the absence of a material adverse effect with respect to the M&M Business. The failure to satisfy all of the required conditions in the Transaction Agreement could delay the completion of the M&M Acquisition or prevent the M&M Acquisition from occurring. Any delay in completing the M&M Acquisition could cause us not to realize some or all of the benefits that we expect to achieve if the M&M Acquisition is successfully completed within the expected timeframe. There can be no assurance that the conditions to the closing of the M&M Acquisition will be satisfied or waived or that the M&M Acquisition will be completed, or as to whether the M&M Acquisition will be completed on terms other than those set forth in the Transaction Agreement as in effect as of the date hereof. Failure to complete the M&M Acquisition could adversely impact the price of shares of our common stock and outstanding notes.

Failure to complete the M&M Acquisition could negatively impact the price of shares of our common stock and outstanding notes, as well as our future business and financial results.

If the M&M Acquisition is not completed for any reason, our business and financial results may be adversely affected, including as follows:

- we may experience negative reactions from the financial markets, including negative impacts on the market price of our common stock and outstanding notes;
- the manner in which industry contacts, business partners and other third parties perceive us may be negatively impacted, which in turn could affect our marketing operations or our ability to compete for new business in the marketplace more broadly;
- we may experience negative reactions from employees; and
- we will have expended time and resources that could otherwise have been spent on our existing business and the pursuit of other opportunities that could have been beneficial to us, and our ongoing business and financial results may be adversely affected.

We will incur direct and indirect costs as a result of the M&M Acquisition.

We have incurred and expect to continue to incur a number of non-recurring costs associated with negotiating and completing the M&M Acquisition, combining the operations of our business and the M&M Business and achieving desired synergies. These fees and costs have been, and will continue to be, substantial. We expect that the majority of non-recurring expenses will consist of transaction costs related to the M&M Acquisition and include, among others, employee retention costs, fees paid to financial, legal, integration and accounting advisors, severance and benefit costs. We will also incur transaction fees and costs related to formulating and implementing integration plans, including facilities and systems consolidation costs and employment-related costs. We will continue to assess the magnitude of these costs, and additional unanticipated costs may be incurred in the M&M Acquisition and the integration of the M&M Business into our business. Although we expect that the elimination of duplicative costs, as well as the realization of other efficiencies related to the integration of the M&M Business, should allow us to offset integration-related costs over time, this net benefit may not be achieved in the near term, or at all. The costs described above, as well as other unanticipated costs and expenses, could have a material adverse effect on our financial condition and results of operations following the completion of the M&M Acquisition. Many of these costs will be borne by us even if the M&M Acquisition is not completed. Factors beyond our control could affect the total amount or timing of these expenses, many of which, by their nature, are difficult to estimate accurately.

The risk of non-compliance with non-U.S. laws, regulations and policies could adversely affect our results of operations, financial condition or strategic objectives.

The M&M Acquisition will introduce us into a number of new geographic markets, subjecting us to additional non-U.S. laws, regulations and policies which do not currently apply to us, and will increase our exposure to certain other geographic markets as well as their laws and regulations. These laws and regulations are complex, change frequently, have become more stringent over time, could increase our cost of doing business, and could result in conflicting legal requirements. These laws and regulations include international labor and employment laws, environmental regulations and reporting requirements, data privacy requirements, and local laws prohibiting corrupt payments to government officials, antitrust and other regulatory laws. We will be subject to the risk that we, our employees, our agents, or our affiliated entities, or their respective officers, directors, employees and agents, may take actions determined to be in violation of any of these laws, regulations or policies, for which we might be held responsible. Actual or alleged violations could result in substantial fines, sanctions, civil or criminal penalties,

debarment from government contracts, curtailment of operations in certain jurisdictions, competitive or reputational harm, litigation or regulatory action and other consequences that might adversely affect our results of operations, financial condition or strategic objectives.

Item 2. *Unregistered Sales of Equity Securities and Use of Proceeds*

We did not repurchase any Common Stock during the three months ended June 30, 2022. As of June 30, 2022, our Board of Directors had authorized the repurchase of \$6.9 billion of our Common Stock since February 2008, with approximately \$1.1 billion value of shares remaining that may be purchased under the program. See [Note 10 - Stockholders' Equity](#) in the accompanying unaudited interim consolidated financial statements for further information.

Item 3. *Defaults Upon Senior Securities*

None.

Item 4. *Mine Safety Disclosures*

None.

Item 5. *Other Information*

None.

Item 6. Exhibits⁽¹⁾

Exhibit Number	Description
2.1	Transaction Agreement, dated as of February 17, 2022, by and among DuPont De Nemours, Inc., DuPont E&I Holding, Inc. and Celanese Corporation (incorporated by reference to Exhibit 2.1 to the Current Report on Form 8-K filed with the SEC on February 18, 2022).
3.1	Second Amended and Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 to the Quarterly Report on Form 10-Q filed with the SEC on October 18, 2016).
3.1(a)	Certificate of Amendment to the Second Amended and Restated Certificate of Incorporation of Celanese Corporation dated as of April 21, 2016 (incorporated by reference to Exhibit 3.1 to the Current Report on Form 8-K filed with the SEC on April 22, 2016).
3.1(b)	Certificate of Amendment to the Second Amended and Restated Certificate of Incorporation of Celanese Corporation dated as of September 17, 2018 (incorporated by reference to Exhibit 3.1 to the Current Report on Form 8-K filed with the SEC on September 17, 2018).
3.1(c)	Certificate of Amendment to the Second Amended and Restated Certificate of Incorporation of Celanese Corporation dated April 18, 2019 (incorporated by reference to Exhibit 3.1 to the Current Report on Form 8-K filed with the SEC on April 23, 2019).
3.2	Sixth Amended and Restated By-laws, amended effective July 15, 2019 (incorporated by reference to Exhibit 3.1 to the Current Report on Form 8-K filed with the SEC on July 18, 2019).
10.1*‡	Form of 2022 Time-Based Restricted Stock Unit Award Agreement (for non-employee directors).
22.1*	List of Guarantor Subsidiaries.
31.1*	Certification of Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2*	Certification of Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1*	Certification of Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2*	Certification of Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS*	Inline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
101.SCH*	Inline XBRL Taxonomy Extension Schema Document.
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document.
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document.
101.LAB*	Inline XBRL Taxonomy Extension Label Linkbase Document.
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document.
104	The cover page from the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2022 has been formatted in Inline XBRL.

* Filed herewith.

‡ Indicates a management contract or compensatory plan or arrangement.

† The Company has omitted certain schedules and similar attachments to such agreements pursuant to Item 601(a)(5) of Regulation S-K. The Company will furnish a copy of such omitted documents to the SEC upon request.

⁽¹⁾ The Company and its subsidiaries have in the past issued, and may in the future issue from time to time, long-term debt. The Company may not file with the applicable report copies of the instruments defining the rights of holders of long-term debt to the extent that the aggregate principal amount of the debt instruments of any one series of such debt instruments for which the instruments have not been filed has not exceeded or will not exceed 10% of the assets of the Company at any pertinent time. The Company hereby agrees to furnish a copy of any such instrument(s) to the SEC upon request.

SIGNATURES

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

CELANESE CORPORATION

By: /s/ LORI J. RYERKERK

Lori J. Ryerkerk
Chairman of the Board of Directors,
Chief Executive Officer and President

Date: July 29, 2022

By: /s/ SCOTT A. RICHARDSON

Scott A. Richardson
Executive Vice President and
Chief Financial Officer

Date: July 29, 2022

[Form of 2022 Director Time-Based RSU Award Agreement]



**CELANESE CORPORATION
2018 GLOBAL INCENTIVE PLAN**

**TIME-BASED RESTRICTED STOCK UNIT AWARD AGREEMENT
DATED [Grant Date]**

Pursuant to the terms and conditions of the Celanese Corporation 2018 Global Incentive Plan, you have been awarded Time-Based Restricted Stock Units, subject to the restrictions described in this Agreement. In addition to the information included in this Award Agreement, the Participant's name and the number of Restricted Stock Units can be found in the Grant Summary located in the electronic stock plan award administration system maintained by the Company or its designee that contains a link to this Agreement (which summary information is set forth in the appropriate records of the Company authorizing such award).

2022 RSU Award

[Number of Shares Granted] Units

This grant is made pursuant to the Time-Based Restricted Stock Unit Award Agreement dated as of [Grant Date], between Celanese and [Participant Name], which Agreement is attached hereto and made a part hereof.

**CELANESE CORPORATION
2018 GLOBAL INCENTIVE PLAN**

**TIME-BASED RESTRICTED STOCK UNIT AWARD AGREEMENT
(Non-Employee Director)**

This Time-Based Restricted Stock Unit Award Agreement (the "Agreement"), is made and entered into effective as of [Grant Date] (the "Grant Date"), by and between Celanese Corporation, a Delaware corporation (the "Company"), and [Participant Name] (the "Participant"). Capitalized terms used, but not otherwise defined, herein shall have the meanings ascribed to such terms in the Celanese Corporation 2018 Global Incentive Plan (as amended from time to time, the "2018 Plan").

1. **Time-Based RSU Award**: The Company hereby grants to the Participant, pursuant to the terms of the 2018 Plan and this Agreement, an award (the "Award") of [Number of Shares Granted] time-based Restricted Stock Units (the "RSUs") representing the right to receive an equal number of Common Shares upon vesting. The Participant hereby acknowledges and accepts such Award upon the terms and subject to the conditions, restrictions and limitations contained in this Agreement and the 2018 Plan.

2. **Vesting of Restricted Stock Units**:

(a) **Normal Vesting**. Subject to Sections 2(b) and 2(c) below, the RSUs shall vest on <<Vest Date>> (the "Vesting Date").

(b) **Change in Control**. Notwithstanding any other provision of this Agreement to the contrary, upon the occurrence of a Change in Control, the RSUs, to the extent not previously forfeited or canceled, shall immediately vest and a number of Common Shares equal to such RSUs shall be delivered to the Participant within thirty (30) days of the occurrence of such Change in Control.

(c) **Termination of Service**.

(i) Upon the termination of the Participant's service with the Company as a director due to the Participant's death or Disability, a prorated portion of RSUs will vest in an amount equal to (A) the number of unvested RSUs multiplied by (B) a fraction, the numerator of which is the number of complete and partial calendar months that have transpired from the Grant Date to the date of termination, and the denominator of which is twelve months, such product to be rounded up to the nearest whole number. The prorated number of RSUs shall vest on the applicable Vesting Date. The remaining portion of the Award shall be forfeited and cancelled without consideration.

(ii) Upon the termination of the Participant's service with the Company as a director due to voluntary resignation prior to the next regularly scheduled meeting of the Company's stockholders at which directors are elected, or removal for cause, the Award shall be forfeited and cancelled without consideration.

(iii) Upon the termination of the Participant's service with the Company as a director due to retirement by reason of the Company's Director Retirement Guideline, or for any other reason not listed in Section 2(c)(i) or (c)(ii), the Award shall vest on the Vesting Date.

3. **Settlement of RSUs:** Subject to Section 2 of this Agreement, and except to the extent the Participant has elected that delivery be deferred in accordance with the rules and procedures prescribed by the Board or the Compensation and Management Development Committee (which rules and procedures, among other things, shall be consistent with the requirements of Section 409A of the Code), the Company shall deliver to the Participant (or to a Company-designated brokerage firm or plan administrator) as soon as administratively practicable following the Vesting Date (but in no event later than 2 ½ months after the Vesting Date), in complete settlement of all vested RSUs, a number of Common Shares equal to the number of vested RSUs.

4. **Rights as a Stockholder:** The Participant shall have no voting, dividend or other rights as a stockholder with respect to the Award until the RSUs have vested and Common Shares have been delivered pursuant to this Agreement.

5. **Non-Transferability of Award:** The RSUs may not be assigned, alienated, pledged, attached, sold or otherwise transferred or encumbered by the Participant other than by will or by the laws of descent and distribution, and any such purported assignment, alienation, pledge, attachment, sale, transfer or encumbrance shall be void and unenforceable against the Company; provided, that the Participant may designate a beneficiary, on a form provided by the Company, to receive any portion of the Award payable hereunder following the Participant's death.

6. **Securities Laws:** The Company may impose such restrictions, conditions or limitations as it determines appropriate as to the timing and manner of any resales by the Participant or other subsequent transfers by the Participant of any Common Shares issued as a result of the vesting or settlement of the RSUs, including without limitation (a) restrictions under an insider trading policy, and (b) restrictions as to the use of a specified brokerage firm for such resales or other transfers. Upon the acquisition of any Common Shares pursuant to the vesting or settlement of the RSUs, the Participant will make or enter into such written representations, warranties and agreements as the Company may reasonably request in order to comply with applicable securities laws or with this Agreement and the 2018 Plan. All accounts in which such Common Shares are held or any certificates for Common Shares shall be subject to such stop transfer orders and other restrictions as the Company may deem advisable under the rules, regulations and other requirements of the Securities and Exchange Commission, any stock exchange or quotation system upon which the Common Shares are then listed or quoted, and any applicable federal or state securities law, and the Company may cause a legend or legends to be put on any such certificates (or other appropriate restrictions and/or notations to be associated with any accounts in which such Common Shares are held) to make appropriate reference to such restrictions.

7. **Severability:** In the event that any provision of this Agreement is declared to be illegal, invalid or otherwise unenforceable by a court of competent jurisdiction, such provision shall be reformed, if possible, to the extent necessary to render it legal, valid and enforceable, or otherwise deleted, and the remainder of this Agreement shall not be affected except to the extent necessary to reform or delete such illegal, invalid or unenforceable provision.

8. **Further Assurances:** Each party shall cooperate and take such action as may be reasonably requested by either party hereto in order to carry out the provisions and purposes of this Agreement.

9. **Binding Effect:** The Award and this Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective permitted heirs, beneficiaries, successors and assigns.

10. **Electronic Delivery:** By executing this Agreement, the Participant hereby consents to the delivery of any and all information (including, without limitation, information required to

be delivered to the Participant pursuant to applicable securities laws), in whole or in part, regarding the Company and its subsidiaries, the 2018 Plan, and the Award via electronic mail, the Company's or a plan administrator's web site, or other means of electronic delivery.

11. **Governing Law.** Notwithstanding the place where this Agreement may be executed by any of the parties hereto, the parties expressly agree that all the terms and provisions hereof shall be governed by, construed under and interpreted in accordance with the laws of the State of Delaware, without regard to its conflicts of laws rules.

12. **Restricted Stock Units Subject to Plan:** By entering into this Agreement the Participant agrees and acknowledges that the Participant has received and read a copy of the 2018 Plan and the 2018 Plan's prospectus. The RSUs and the Common Shares issued upon vesting of such RSUs are subject to the 2018 Plan, which is hereby incorporated by reference. In the event of any conflict between any term or provision of this Agreement and a term or provision of the 2018 Plan, the applicable terms and provisions of the 2018 Plan shall govern and prevail.

13. **Validity of Agreement:** This Agreement shall be valid, binding and effective upon the Company on the Grant Date. However, the Participant must accept this Agreement electronically pursuant to the online acceptance procedure established by the Company within ninety (90) days; otherwise the Company may, in its sole discretion, rescind the Award in its entirety.

14. **Headings:** The headings preceding the text of the sections hereof are inserted solely for convenience of reference, and shall not constitute a part of this Agreement, nor shall they affect its meaning, construction or effect.

15. **Compliance with Section 409A of the Code:** Notwithstanding any provision in this Agreement to the contrary, this Agreement will be interpreted and applied so that the Agreement does not fail to meet, and is operated in accordance with, the requirements of Section 409A of the Code. The Company reserves the right to change the terms of this Agreement and the 2018 Plan without the Participant's consent to the extent necessary or desirable to comply with the requirements of Section 409A of the Code, the Treasury regulations and other guidance thereunder. Further, in accordance with the restrictions provided by Treasury Regulation Section 1.409A-3(j)(2), any subsequent amendments to this Agreement or any other agreement, or the entering into or termination of any other agreement, affecting the RSUs provided by this Agreement shall not modify the time or form of issuance of the RSUs set forth in this Agreement.

16. **Definitions:** The following terms shall have the following meanings for purposes of this Agreement, notwithstanding any contrary definition in the 2018 Plan:

(a) "*Change in Control*" of the Company means:

(i) Any individual, entity or group (within the meaning of Section 13(d)(3) or 14(d)(2) of the Securities Exchange Act of 1934, as amended (the "Exchange Act")) (a "Person") becomes the beneficial owner (within the meaning of Rule 13d-3 promulgated under the Exchange Act) of 30% or more of either (A) the then-outstanding shares of common stock of the Company (the "Outstanding Company Common Stock") or (B) the combined voting power of the then-outstanding voting securities of the Company entitled to vote generally in the election of directors (the "Outstanding Company Voting Securities"); provided, however, that, for purposes of this subparagraph, the following acquisitions shall not constitute a Change of Control: (i) any acquisition directly from the Company, (ii) any acquisition by the Company, (iii) any acquisition by any employee benefit plan (or related trust) sponsored or maintained by the Company or any Affiliate,

or (iv) any acquisition pursuant to a transaction that complies with clauses (A), (B) or (C) in paragraph (iii) of this definition; or

(ii) Individuals who, as of the effective date of this Agreement, constitute the Board (the "Incumbent Board") cease for any reason to constitute at least a majority of the Board; provided, however, that any individual becoming a director subsequent to the effective date of this Agreement whose election, or nomination for election by the Company's stockholders, was approved by a vote of at least a majority of the directors then comprising the Incumbent Board shall be considered as though such individual was a member of the Incumbent Board, but excluding, for this purpose, any such individual whose initial assumption of office occurs as a result of an actual or threatened election contest with respect to the election or removal of directors or other actual or threatened solicitation of proxies or consents by or on behalf of a Person other than the Board; or

(iii) Consummation of a reorganization, merger, statutory share exchange or consolidation or similar transaction involving the Company or any of its subsidiaries, a sale or other disposition of all or substantially all of the assets of the Company, or the acquisition of assets or stock of another entity by the Company or any of its subsidiaries (each, a "Business Combination"), in each case unless, following such Business Combination, (A) all or substantially all of the individuals and entities that were the beneficial owners of the Outstanding Company Common Stock and the Outstanding Company Voting Securities immediately prior to such Business Combination beneficially own, directly or indirectly, more than 50% of the then-outstanding shares of common stock (or, for a non-corporate entity, equivalent securities) and the combined voting power of the then-outstanding voting securities entitled to vote generally in the election of directors (or, for a non-corporate entity, equivalent governing body), as the case may be, of the entity resulting from such Business Combination (including, without limitation, an entity that, as a result of such transaction, owns the Company or all or substantially all of the Company's assets either directly or through one or more subsidiaries) in substantially the same proportions as their ownership immediately prior to such Business Combination of the Outstanding Company Common Stock and the Outstanding Company Voting Securities, as the case may be, (B) no Person (excluding any corporation resulting from such Business Combination or any employee benefit plan (or related trust) of the Company or such corporation resulting from such Business Combination) beneficially owns, directly or indirectly, 30% or more of, respectively, the then-outstanding shares of common stock of the corporation resulting from such Business Combination or the combined voting power of the then-outstanding voting securities of such corporation, except to the extent that such ownership existed prior to the Business Combination, and (C) at least a majority of the members of the board of directors (or, for a non-corporate entity, equivalent governing body) of the entity resulting from such Business Combination were members of the Incumbent Board at the time of the execution of the initial agreement or of the action of the Board providing for such Business Combination; or

(iv) Approval by the stockholders of the Company of a complete liquidation or dissolution of the Company.

Notwithstanding the foregoing, if it is determined that an Award hereunder is subject to the requirements of Section 409A and the Change in Control is a "payment event" under Section 409A for such Award, the Company will not be deemed to have undergone a Change in Control unless the Company is deemed to have undergone a "change in control event" pursuant to the definition of such term in Section 409A.

(b) "*Disability*" has the same meaning as "Disability" in the Celanese Corporation 2008 Deferred Compensation Plan or such other meaning as determined by the Board in its sole discretion.

IN WITNESS WHEREOF, the Company has caused this Agreement to be executed on its behalf by its duly authorized officer and the Participant has also executed this Agreement in duplicate.

CELANESE CORPORATION

By: Lori J. Ryerkerk
Chairman, Chief Executive Officer and President

List of Guarantor Subsidiaries

(As of July 29, 2022)

Celanese US Holdings LLC (the "Issuer"), a 100% owned subsidiary of Celanese Corporation (the "Parent"), has 4.625% Senior Notes due 2022, 1.125% Senior Notes due 2023, 3.500% Senior Notes due 2024, 5.900% Senior Notes due 2024, 1.250% Senior Notes due 2025, 6.050% Senior Notes due 2025, 1.400% Senior Notes due 2026, 4.777% Senior Notes Due 2026, 2.125% Senior Notes due 2027, 6.165% Senior Notes due 2027, 0.625% Senior Notes due 2028, 6.330% Senior Notes due 2029, 5.337% Senior Notes Due 2029 and 6.379% Senior Notes due 2032 (collectively, the "Senior Notes"). The Senior Notes are jointly and severally guaranteed on a full and unconditional basis by the Parent and the 100% owned subsidiaries of the Parent listed below.

Name of Company	Jurisdiction
<i>Parent Guarantor</i>	
Celanese Corporation	Delaware
<i>Subsidiary Guarantors</i>	
Celanese Acetate LLC	Delaware
Celanese Americas LLC	Delaware
Celanese Chemicals, Inc.	Delaware
Celanese Global Relocation LLC	Delaware
Celanese International Corporation	Delaware
Celanese Ltd.	Texas
Celanese Sales U.S. Ltd.	Texas
Celtran, Inc.	Delaware
CNA Holdings LLC	Delaware
KEP Americas Engineering Plastics, LLC	Delaware
Ticona Fortron Inc.	Delaware
Ticona LLC	Delaware
Ticona Polymers, Inc.	Delaware

**CERTIFICATION
PURSUANT TO 17 CFR 240.13a-14
PROMULGATED UNDER
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lori J. Ryerkerk, certify that:

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

/s/ LORI J. RYERKERK

Lori J. Ryerkerk
*Chairman of the Board of Directors,
Chief Executive Officer and President*
July 29, 2022

**CERTIFICATION
PURSUANT TO 17 CFR 240.13a-14
PROMULGATED UNDER
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Scott A. Richardson, certify that:

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

/s/ SCOTT A. RICHARDSON

Scott A. Richardson
*Executive Vice President and
Chief Financial Officer*
July 29, 2022

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Celanese Corporation (the "Company") on Form 10-Q for the period ending June 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Lori J. Ryerkerk, Chairman of the Board of Directors, Chief Executive Officer and President of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ LORI J. RYERKERK

Lori J. Ryerkerk
*Chairman of the Board of Directors,
Chief Executive Officer and President*
July 29, 2022

**CERTIFICATION PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Celanese Corporation (the "Company") on Form 10-Q for the period ending June 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Scott A. Richardson, Executive Vice President and Chief Financial Officer of the Company, hereby certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

1. The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ SCOTT A. RICHARDSON

Scott A. Richardson
*Executive Vice President and
Chief Financial Officer*
July 29, 2022