

Section 1: 10-K (10-K)

[Table of Contents](#)

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form 10-K

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

For the fiscal year ended December 31, 2014

OR

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

(Commission File Number) 001-32410

 **Celanese**
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 West Las Colinas Blvd., Suite 900N
Irving, TX
(Address of Principal Executive Offices)

75039-5421
(Zip Code)

(972) 443-4000

(Registrant's telephone number, including area code)

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

Title of Each Class
Series A Common Stock, par value \$0.0001 per share
3.250% Senior Notes due 2019

Name of Each Exchange
on Which Registered
New York Stock Exchange
New York Stock Exchange

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

None

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

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

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

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

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

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

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

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

The aggregate market value of the registrant's Series A Common Stock held by non-affiliates as of June 30, 2014 (the last business day of the registrants' most recently completed second fiscal quarter) was \$6,322,101,721.

The number of outstanding shares of the registrant's Series A Common Stock, \$0.0001 par value, as of February 2, 2015 was 152,908,148.

DOCUMENTS INCORPORATED BY REFERENCE

Certain portions of the registrant's Definitive Proxy Statement relating to the 2015 annual meeting of stockholders, to be filed with the Securities and Exchange Commission, are incorporated by reference into Part III.

CELANESE CORPORATION
Form 10-K
For the Fiscal Year Ended December 31, 2014

TABLE OF CONTENTS

	<u>Page</u>
Special Note Regarding Forward-Looking Statements	3
PART I	
Item 1. Business	4
Item 1A. Risk Factors	16
Item 1B. Unresolved Staff Comments	25
Item 2. Properties	26
Item 3. Legal Proceedings	28
Item 4. Mine Safety Disclosures	28
Executive Officers of the Registrant	28
PART II	
Item 5. Market for the Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities	29
Item 6. Selected Financial Data	31
Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations	32
Item 7A. Quantitative and Qualitative Disclosures About Market Risk	53
Item 8. Financial Statements and Supplementary Data	54
Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure	56
Item 9A. Controls and Procedures	56
Item 9B. Other Information	58
PART III	
Item 10. Directors, Executive Officers and Corporate Governance	58
Item 11. Executive Compensation	58
Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters	58
Item 13. Certain Relationships and Related Transactions, and Director Independence	59
Item 14. Principal Accounting Fees and Services	59
PART IV	
Item 15. Exhibits, Financial Statement Schedules	59
Signatures	60

[Table of Contents](#)

Special Note Regarding Forward-Looking Statements

Certain statements in this Annual Report on Form 10-K ("Annual Report") or in other materials we have filed or will file with the Securities and Exchange Commission ("SEC"), and incorporated herein by reference, are forward-looking in nature as defined in Section 27A of the Securities Act of 1933, as amended, Section 21E of the Securities Exchange Act of 1934, as amended, and the Private Securities Litigation Reform Act of 1995. You can identify these statements by the fact that they do not relate to matters of a strictly factual or historical nature and generally discuss or relate to forecasts, estimates or other expectations regarding future events. Generally, the words "believe," "expect," "intend," "estimate," "anticipate," "project," "plan," "may," "can," "could," "might," "will" and similar expressions identify forward-looking statements, including statements that relate to such matters as planned and expected capacity increases and utilization rates; anticipated capital spending; environmental matters; legal proceedings; sources of raw materials and exposure to, and effects of hedging of raw material and energy costs and foreign currencies; interest rate fluctuations; global and regional economic, political, business and regulatory conditions; expectations, strategies, and plans for individual assets and products, business segments, as well as for the whole Company; cash requirements and uses of available cash; financing plans; pension expenses and funding; anticipated restructuring, divestiture, and consolidation activities; planned construction or operation of facilities; cost reduction and control efforts and targets and integration of acquired businesses.

Forward-looking statements are not historical facts or guarantees of future performance but instead represent only our beliefs at the time the statements were made regarding future events, which are subject to significant risks, uncertainties, and other factors, many of which are outside of our control and certain of which are listed above. Any or all of the forward-looking statements included in this Annual Report and in any other materials incorporated by reference herein may turn out to be materially inaccurate. This can occur as a result of incorrect assumptions, in some cases based upon internal estimates and analyses of current market conditions and trends, management plans and strategies, economic conditions, or as a consequence of known or unknown risks and uncertainties. Many of the risks and uncertainties mentioned in this Annual Report, such as those discussed in *Item 1A. Risk Factors*, *Item 3. Legal Proceedings* and *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations* will be important in determining whether these forward-looking statements prove to be accurate. Consequently, neither our stockholders nor any other person should place undue reliance on our forward-looking statements and should recognize that actual results may differ materially from those anticipated by us.

All forward-looking statements made in this Annual Report are made as of the date hereof, and the risk that actual results will differ materially from expectations expressed in this Annual 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. However, we may make further disclosures regarding future events, trends and uncertainties in our subsequent reports on Forms 10-K, 10-Q and 8-K to the extent required under the Exchange Act. The above cautionary discussion of risks, uncertainties and possible inaccurate assumptions relevant to our business includes factors we believe could cause our actual results to differ materially from expected and historical results. Other factors beyond those listed above or in *Item 1A. Risk Factors*, *Item 3. Legal Proceedings* and *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations* below, including factors unknown to us and factors known to us which we have determined not to be material, could also adversely affect us.

[Table of Contents](#)

Item 1. Business

Basis of Presentation

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

Industry

This Annual Report on Form 10-K includes industry data obtained from industry publications and surveys as well as our own internal company surveys. Third-party industry publications, surveys and forecasts generally state that the information contained therein has been obtained from sources believed to be reliable.

Overview

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

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

Celanese's history began in 1918, the year that its predecessor company, The American Cellulose & Chemical Manufacturing Company, was incorporated. The company, which manufactured cellulose acetate, was founded by Swiss brothers Drs. Camille and Henri Dreyfus. Since that time, the Company has transformed into a leading global technology and specialty materials company. The current Celanese was incorporated in 2005 under the laws of the State of Delaware and is a US-based public company traded on the New York Stock Exchange under the ticker symbol CE.

Headquartered in Irving, Texas, our operations are primarily located in North America, Europe and Asia and consist of 28 global production facilities, and an additional 8 strategic affiliate production facilities. As of December 31, 2014, we employed 7,468 people worldwide.

[Table of Contents](#)

Business Segment Overview

We operate principally through four business segments: Advanced Engineered Materials, Consumer Specialties, Industrial Specialties and Acetyl Intermediates. Due to our geographic breadth, our net sales are balanced across global regions. See *Business Segments* below and [Note 26 - Segment Information](#) in the accompanying consolidated financial statements for further information.

Each business segment's net sales to external customers for the year ended December 31, 2014, as well as each business segment's major products and end-use applications are as follows:

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates
	(In \$ millions)			
2014 Net Sales⁽¹⁾	1,459	1,158	1,224	2,961
Key Products	<ul style="list-style-type: none"> • Polyoxymethylene ("POM") • Ultra-high molecular weight polyethylene ("UHMW-PE") • Polybutylene terephthalate ("PBT") • Long-fiber reinforced thermoplastics ("LFRT") • Liquid crystal polymers ("LCP") 	<ul style="list-style-type: none"> • Acetate tow • Acetate flake • Acetate film • High intensity sweeteners • Potassium sorbate • Sorbic acid • Sweetener system 	<ul style="list-style-type: none"> • Conventional emulsions • Vinyl acetate ethylene ("VAE") emulsions • Ethylene vinyl acetate ("EVA") resins and compounds • Low-density polyethylene resins ("LDPE") 	<ul style="list-style-type: none"> • Acetic acid • Vinyl acetate monomer ("VAM") • Acetic anhydride • Acetaldehyde • Ethyl acetate • Formaldehyde • Butyl acetate • Ethanol
Major End-Use Applications	<ul style="list-style-type: none"> • Fuel system components • Automotive safety systems • Medical applications • Industrial products • Battery separators • Consumer electronics • Appliances • Filtration equipment • Telecommunications • Low-friction and low-wear grade acetal copolymer 	<ul style="list-style-type: none"> • Filtration applications • Films • Flexible packaging • Beverages • Confections • Baked goods 	<ul style="list-style-type: none"> • Paints • Coatings • Adhesives • Textiles • Paper finishing • Flexible packaging • Lamination products • Medical tubing • Automotive parts 	<ul style="list-style-type: none"> • Paints • Coatings • Adhesives • Lubricants • Pharmaceuticals • Films • Textiles • Inks • Plasticizers • Solvents

⁽¹⁾ Net sales for Consumer Specialties and Acetyl Intermediates exclude intersegment sales of \$2 million and \$532 million, respectively, for the year ended December 31, 2014.

[Table of Contents](#)

Business Segments

Advanced Engineered Materials

Our Advanced Engineered Materials segment includes our engineered materials business and certain strategic affiliates. Our engineered materials business uses advanced polymer technology to produce a broad portfolio of high performance specialty polymers used in a wide spectrum of applications, including automotive, medical and electronics, as well as other consumer and industrial applications. As a performance-driven solutions provider, our engineered materials business maintains its competitive advantage with leading technical and application expertise that enables innovation and new product development in concert with its customers. By focusing on new application development for its product lines, it often creates custom formulations to satisfy the technical and processing requirements of its customers' applications. A significant portion of our engineered materials products are specified by customers due to our differentiated polymer processing and material capability which creates sustainable value for our high performance polymers. This business segment also includes four strategic affiliates that complement our global reach, improve our ability to capture growth opportunities in emerging economies and positions us as a leading participant in the global specialty polymers industry.

Our specialty polymers have differentiated chemical and physical properties that enable them to perform in a variety of conditions. These include enduring elevated temperatures, resisting adverse chemical interactions and withstanding deformation. POM, PBT and LFRT are used in a broad range of performance-demanding applications including fuel system components, automotive safety systems, consumer electronics, appliances, industrial products and medical applications. UHMW-PE is used in battery separators, industrial products, filtration equipment, coatings and medical applications. Primary end uses for LCP are electrical applications or products and consumer electronics. These value-added applications in diverse end-uses support the business' global growth objectives.

Value-in-use pricing for most of these products, particularly specialized product grades for targeted applications, generally reflect the value added in complex polymer chemistry, precision formulation and compounding, and the extensive application development services provided.

In 2014, we introduced several differentiated polymer technologies that broaden our access to the utility industry, the oil and gas industry, original equipment manufacturers and companies that enhance supply chain efficiency. These include composite technologies for the utility industry that deliver greater reliability, capacity and performance for utility transmission lines and anti-counterfeiting technologies that help original equipment manufacturers and suppliers ensure products contain components and parts that meet their specifications. We also announced the launch of a uniquely low-friction and low-wear grade of acetal copolymer enabling production of injection molded parts for industrial products and automotive and consumer applications.

Our engineered materials business has operations including polymerization, compounding, research and development, and customer technology centers in Brazil, China, Germany, South Korea and the US. In 2010, we announced the construction of a new 50,000 ton POM manufacturing facility in Saudi Arabia through our Ibn Sina affiliate. This facility is expected to be completed in 2016. In 2014, we expanded our compounding capabilities at our integrated chemical complex in Nanjing, China, to include polyphenylene sulfide ("PPS"), which is used to replace metals and thermosets in applications spanning the automotive, electronics and aerospace industries. We also announced the expansion of our Florence, Kentucky facility to add compounding process lines to support demand. The unit is expected to be operational in the second quarter of 2015.

In October 2014, we announced the acquisition of substantially all of the assets of Cool Polymers, Inc., based in North Kingstown, Rhode Island. The acquisition will accelerate our growth into thermally conductive polymers by building on Cool Polymers, Inc.'s polymer formulation expertise, application development capabilities and strong product portfolio.

• *Key Products*

POM. Commonly known as polyacetal in the chemical industry, POM is sold by our engineered materials business under the trademarks Celcon[®] and Hostaform[®]. POM is used for diverse end-use applications in the automotive, industrial, consumer and medical industries. These applications include mechanical parts in automotive fuel system components and window lift systems, water handling, conveyor belts, sprinkler systems, drug delivery systems and gears in large and small home appliances.

We continue to innovate and broaden the portfolio of Celcon® and Hostaform® in order to support the industry needs for higher performing polyacetal. We have expanded our portfolio to include products with higher impact and stiffness, low emissions, improved wear and enhanced appearance such as laser marking and metallic effects.

[Table of Contents](#)

Polyplastics Co., Ltd., our 45%-owned strategic affiliate ("Polyplastics"), and Korea Engineering Plastics Co., Ltd., our 50%-owned strategic affiliate ("KEPCO"), also manufacture POM and other engineering resins in the Asia-Pacific region.

The primary raw material for POM is formaldehyde, which is manufactured from methanol. Raw materials are sourced from internal production and from third parties, generally through long-term contracts.

UHMW-PE. Celanese is the global leader in UHMW-PE products which are sold under the trademark GUR[®]. They are highly engineered thermoplastics designed for a variety of industrial, automotive, consumer and medical applications. Primary applications for the material include lead acid battery separators, heavy machine components, lithium ion separator membranes, and noise and vibration dampening tapes. Several specialty grades are also produced for applications in high performance filtration equipment, ballistic fibers, thermoplastic and elastomeric additives, as well as medical implants. The primary raw material for GUR[®] UHMW-PE is ethylene.

Polyesters. Our products include a series of thermoplastic polyesters including Celanex[®] PBT, Celanex[®] PET (polyethylene terephthalate) and Thermx[®] PCT (polycyclohexylene-dimethylene terephthalate), as well as Riteflex[®], a thermoplastic polyester elastomer. These products are used in a wide variety of automotive, electrical and consumer applications, including ignition system parts, radiator grilles, electrical switches, appliance and sensor housings, light emitting diodes and technical fibers.

LFRT. Celstran[®] and Factor[®], our LFRT products, impart extra strength and stiffness, making them more suitable for larger parts than conventional thermoplastics. These products are used in automotive, transportation and industrial applications, such as instrument panels, consoles and front end modules. The primary raw materials for LFRT include polypropylene and a variety of fibers such as glass, stainless steel and carbon. LFRTs meet a wide range of end-user requirements and are excellent candidates for metal replacement where they provide the required structural integrity with significant weight reduction, corrosion resistance and the potential to lower manufacturing costs.

LCP. Vectra[®] and Zenite[®], our LCP brands, are primarily used in electrical and electronics applications for precision parts with thin walls and complex shapes. They are also used in high heat cookware applications. Raw materials for LCP include acetic anhydride, which is sourced from our Acetyl Intermediates segment, and monomers, such as hydroxybenzoic acid.

• **Geographic Regions**

Net sales by destination for the Advanced Engineered Materials segment by geographic region are as follows:

	Year Ended December 31,					
	2014		2013		2012	
	(In \$ millions, except percentages)					
North America	509	35%	487	36%	460	36%
Europe and Africa	617	42%	575	42%	538	43%
Asia-Pacific	284	20%	238	18%	213	17%
South America	49	3%	52	4%	50	4%
Total	<u>1,459</u>	<u>100%</u>	<u>1,352</u>	<u>100%</u>	<u>1,261</u>	<u>100%</u>

• **Customers**

Advanced Engineered Materials' principal customers are original equipment manufacturers and their suppliers serving the automotive, medical, industrial and consumer industries. By collaborating with our customers, our engineered materials business assists in developing and improving specialized applications and systems and offers customers global solutions. Our engineered materials business has long-standing relationships and multi-year arrangements with many of its major customers and utilizes distribution partners to expand its customer base.

• **Competition**

Advanced Engineered Materials' principal competitors include BASF SE, DSM N.V., E. I. du Pont de Nemours and

Company, SABIC Innovative Plastics and Solvay S.A. Other regional competitors include Asahi Kasei Corporation, Braskem S.A., Lanxess AG, Mitsubishi Gas Chemical Company, Inc., Sumitomo Corporation, Teijin Limited and Toray Industries, Inc.

[Table of Contents](#)

Consumer Specialties

The Consumer Specialties segment includes our cellulose derivatives and food ingredients businesses, which serve consumer-driven applications. These businesses deliver growth primarily through manufacturing productivity, geographic expansions and targeting high-value opportunities, and generally are not dependent on gross domestic product.

Our cellulose derivatives business is a leading global producer and supplier of acetate flake, acetate film and acetate tow, primarily used in filter products applications. We also hold an approximately 30% ownership interest in three separate ventures in China that produce acetate flake and acetate tow. China National Tobacco Corporation, a Chinese state-owned tobacco entity, has been our venture partner for over two decades and has driven successful growth in our cellulose derivatives business. Our cellulose derivatives business has production sites in Belgium, Mexico, the United Kingdom and the US, along with sites at our three cellulose derivatives ventures in China.

In 2014, we commercially launched our CelFX™ technology for the Japanese market. CelFX™ combines our proprietary binder and carbon to create a unique construction which allows concentrated filtration while maintaining full air flow. The CelFX™ matrix technology redefines tobacco filtration performance, enabling unique product attributes and innovation, such as increased filter design flexibility and improved constituent reduction. CelFX™ also supports a broad choice of enhancement additives.

In 2014, we announced a new proprietary formulation of Clarifoil® film to be used as an anti-fog film for applications on glass and plastic. Our proprietary film allows freezer manufacturers to eliminate the existing heating components in freezer doors and provides a film that is more resilient to scratches than what is currently in use.

Our food ingredients business is a leading global supplier of premium quality ingredients for the food and beverage and pharmaceutical industries and is a leading producer of food protection ingredients, such as potassium sorbate and sorbic acid. Our food ingredients business' expertise is based on more than fifty years of experience in developing and marketing specialty ingredients to the food and beverage and pharmaceutical industries.

Our food ingredients business has a production facility in Germany, with sales and distribution facilities in all major regions of the world.

- ***Key Products***

Acetate flake, acetate tow and acetate film. Acetate tow is a fiber used primarily in cigarette filters. In order to produce acetate tow, we first produce acetate flake by processing wood pulp with acetic acid and acetic anhydride. Wood pulp generally comes from reforested trees and is purchased externally from a variety of sources, and acetic anhydride is an intermediate chemical that we produce from acetic acid in our Acetyl Intermediates segment. Acetate flake is then further processed into acetate tow. Acetate flake can also be a solvent cast to create a film, which is primarily used in packaging for food and high-end luxury goods, as well as other applications such as anti-fog films.

Sales of acetate tow amounted to 14%, 16% and 15% of our consolidated net sales for the years ended December 31, 2014, 2013 and 2012, respectively.

Sunett® sweetener. Acesulfame potassium ("Ace-K"), a non-nutritive high intensity sweetener sold under the trademark Sunett®, is used in a variety of beverages, confections and dairy products throughout the world. Sunett® sweetener is the ideal blending partner for caloric and non-caloric sweeteners as it balances the sweetness profile. It is recognized in the food industry for its consistent product quality and reliable supply. The primary raw material for Sunett is diketene, which is derived from acetic acid.

Qorus™ sweetener system. The Qorus™ sweetener system was introduced in 2013 to assist food and beverage formulators in achieving their unique taste profile. This product enables the manufacturer to balance taste, without the need to mask certain notes, and ultimately provide the consumer with a pure, authentic taste. The Qorus™ sweetener system is designed for low- to no-calorie carbonated and non-carbonated beverages, flavored waters, energy drinks, milk and dairy products.

Food protection ingredients. Our food protection ingredients, potassium sorbate and sorbic acid, are mainly used in foods,

beverages and personal care products. Pricing is extremely sensitive to demand and industry capacity and is not necessarily dependent on the cost of raw materials. The primary raw materials are acetic acid, ethylene and potassium hydroxide.

[Table of Contents](#)

• *Geographic Regions*

Net sales by destination for the Consumer Specialties segment by geographic region are as follows:

	Year Ended December 31,					
	2014		2013		2012	
	(In \$ millions, except percentages)					
North America	195	17%	204	17%	203	17%
Europe and Africa	549	48%	592	49%	572	48%
Asia-Pacific	352	30%	351	29%	344	29%
South America	62	5%	63	5%	63	6%
Total ⁽¹⁾	1,158	100%	1,210	100%	1,182	100%

⁽¹⁾ Excludes intersegment sales of \$2 million, \$4 million and \$4 million for the years ended December 31, 2014, 2013 and 2012, respectively.

• *Customers*

Acetate tow is sold principally to the major tobacco companies that account for a majority of worldwide cigarette production. Contracts with most of our customers are generally entered into on an annual basis.

Customers of Clarifoil[®] film include printers, carton manufacturers, retailers, packaging buyers, publishers, designers and freezer door manufacturers.

Our food ingredients business primarily sells Sunett[®] sweetener to a limited number of large multinational and regional customers and the Qorus[™] sweetener system to regional customers in the food and beverage industry under long-term and annual contracts. Food protection ingredients are primarily sold through regional distributors to small and medium sized customers and directly to large multinational customers in the food industry.

• *Competition*

Our cellulose derivatives business' principal competitors include Daicel Corporation, Eastman Chemical Company, Mitsubishi Rayon Co., Ltd and Solvay S.A.

Our principal competitors for our Ace-K based sweeteners, Sunett[®] and Qorus[™], are Anhui Jinhe Industrial Co., Ltd. and Suzhou Hope Technology Co., Ltd. The European Commission has instituted a dumping investigation into the sales into the European Union of Ace-K produced in China. The dumping of Ace-K from China has led to significantly lower sales and pricing for the Sunett[®] business.

Our Ace-K based sweetener systems also compete with other high-intensity sweeteners, notably aspartame produced by Ajinomoto Co. Inc. and The NutraSweet Company, and sucralose produced by Tate & Lyle. Our principal competitors for potassium sorbate and sorbic acid include Daicel Corporation and Nantong Acetic Acid Chemical Co., Ltd.

Industrial Specialties

The Industrial Specialties segment, which includes our emulsion polymers and EVA polymers businesses, is active in every major global industrial sector and serves diverse industrial and consumer end-use applications. These include traditional vinyl-based end uses, such as paints and coatings and adhesives, as well as other unique, high-value end uses including flexible packaging, thermal laminations, wire and cable, compounds and medical tubing.

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. The emulsion polymers business has production facilities in

Canada, China, Germany, the Netherlands, Spain, Sweden and the US and is supported by expert technical service regionally. Our emulsion polymers products are sold under globally and regionally recognized brands including EcoVAE[®], Mowilith[®], Vinamul[®], Celvolit[®], Duroset[®], TufCOR[®] and Avicor[®].

[Table of Contents](#)

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. Sold under the Ateva[®] and VitalDose[®] brands, these products are used in many applications, including flexible packaging films, lamination film products, hot melt adhesives, medical products, automotive parts and carpeting. Our EVA polymers business has a production facility in Edmonton, Alberta, Canada.

The Industrial Specialties segment builds on our leading acetyl technology. Our Acetyl Intermediates segment produces VAM, a primary raw material for our emulsion polymers and EVA polymers businesses. Ethylene, another key raw material, is purchased externally from a variety of sources.

Our emulsion polymers business has experienced significant growth in Asia, and we have made investments to support continued growth in the region. In 2014, we announced our intent to construct a VAE emulsions unit in Southeast Asia. The unit is expected to begin production by the end of 2016.

In addition to geographic growth, the Industrial Specialties businesses are focused on innovation efforts to increase value. The business segment has successfully launched new innovative products and technologies in non-traditional applications such as medical, carpet and paper.

• *Key Products*

Our emulsion polymers business produces conventional vinyl- and acrylate-based emulsions and VAE emulsions. Emulsions are made from VAM, ethylene, acrylate esters and styrene. VAE emulsions are a key component of water-based architectural coatings, adhesives, non-wovens, textiles, glass fiber and other applications.

Our EVA polymers business produces low-density polyethylene, EVA resins and compounds. Low-density polyethylene is produced in high-pressure reactors from ethylene, while EVA resins and compounds are produced in high-pressure reactors from ethylene and VAM.

• *Geographic Regions*

Net sales by destination for the Industrial Specialties segment by geographic region are as follows:

	Year Ended December 31,					
	2014		2013		2012	
	(In \$ millions, except percentages)					
North America	461	38%	441	38%	475	40%
Europe and Africa	562	46%	520	45%	502	42%
Asia-Pacific	181	15%	179	16%	194	17%
South America	20	1%	15	1%	13	1%
Total	<u>1,224</u>	<u>100%</u>	<u>1,155</u>	<u>100%</u>	<u>1,184</u>	<u>100%</u>

• *Customers*

Industrial Specialties' products are sold to a diverse group of regional and multinational customers. Customers of our emulsion polymers business are manufacturers of water-based paints and coatings, adhesives, paper, building and construction products, glass fiber, non-wovens and textiles. Customers of our EVA polymers business are engaged in the manufacture of a variety of products, including hot melt adhesives, automotive components, thermal laminations, flexible and food packaging materials, medical packaging and controlled-release medical devices.

• *Competition*

Principal competitors of our emulsion polymers business include BASF SE, Dairen Chemical Corporation, The Dow Chemical Company and Wacker Chemie AG.

Principal competitors of our EVA polymers business include Arkema, E. I. du Pont de Nemours and Company and ExxonMobil Chemical.

[Table of Contents](#)

Acetyl Intermediates

Our Acetyl Intermediates segment includes our intermediate chemistry business, which produces and supplies acetyl products, including acetic acid, VAM, acetic anhydride and acetate esters. These products are generally used as starting materials for colorants, paints, adhesives, coatings and pharmaceuticals. Our intermediate chemistry business also produces organic solvents and intermediates for pharmaceutical, agricultural and chemical products.

As an industry leader, our intermediate chemistry business has built on its leading technology, advantaged feedstock position and attractive competitive position to drive growth. With decades of experience, advanced proprietary process technology and favorable capital and production costs, we are a leading global producer of acetic acid and VAM. AOPlus[®]3 technology extends our historical technology advantage and enables us to construct a greenfield acetic acid facility with a capacity of 1.8 million tons at a lower capital cost than our competitors. Our VAntage[®]2 technology could increase VAM capacity by up to 50% to meet growing customer demand globally. We believe our production technology is among the lowest cost in the industry and provides us with global growth opportunities through low cost expansions and a cost advantage over our competitors. In addition, we have focused in recent years on enhancing our ability to drive incremental value through our global production network as well as proactively managing the intermediate chemistry business in response to trade flows and prevailing industry trends. Our intermediate chemistry business has production sites in China, Germany, Mexico, Singapore and the US.

Building on our acetic acid technology platform, we developed Celanese TCX[®] ethanol process technology to supply current and prospective customers with ethanol for industrial purposes and for other potential uses such as fuel applications. Industrial ethanol is used in chemical and industrial applications for the manufacture of paints, coatings, inks and pharmaceuticals. This innovative process combines our proprietary and leading acetyl platform with advanced manufacturing technology to produce ethanol from hydrocarbon-sourced feedstocks. We are currently producing industrial ethanol at our integrated acetyl facility in Nanjing, China.

In 2013, we signed separate Memorandums of Understanding ("MOUs") with PetroChina Company Limited and Pertamina, the state-owned energy company of the Republic of Indonesia, to advance the development of fuel ethanol opportunities in China and Indonesia, respectively, utilizing our TCX[®] technology. In 2014, we signed an MOU with Indian Oil Corporation to explore the potential of a joint investment in a fuel ethanol plant to be built in India, based on our TCX[®] technology.

• ***Key Products***

Acetyl Products. Acetyl products include acetic acid, VAM, acetic anhydride and acetaldehyde. Acetic acid is primarily used to manufacture VAM, purified terephthalic acid and other acetyl derivatives. VAM is used in a variety of adhesives, paints, films, coatings and textiles. Acetic anhydride is a raw material used in the production of cellulose acetate, detergents and pharmaceuticals. Acetaldehyde is a major feedstock for the production of a variety of derivatives, such as pyridines, which are used in agricultural products. We manufacture acetic acid, VAM and acetic anhydride for our own use in producing downstream, value-added products, as well as for sale to third parties.

Acetic acid and VAM, our basic acetyl intermediates products, are impacted by global supply and demand fundamentals and can be cyclical in nature. The principal raw materials in these products are carbon monoxide, which we generally purchase under long-term contracts, and methanol and ethylene, which we generally purchase under both long- and short-term contracts. Generally, methanol and ethylene are commodity products available from a wide variety of sources, while carbon monoxide is typically obtained from sources in close proximity.

In February 2014, we formed a joint venture, Fairway Methanol LLC ("Fairway"), with Mitsui & Co., Ltd., of Tokyo, Japan, in which we own 50% of Fairway, for the production of methanol at our integrated chemical plant in Clear Lake, Texas. The planned methanol unit will utilize natural gas in the US Gulf Coast region as a feedstock and will benefit from the existing infrastructure at our Clear Lake facility. The planned methanol unit will have an annual capacity of 1.3 million tons and is expected to be operational in the second half of 2015.

Sales from acetyl products amounted to 33%, 32% and 32% of our consolidated net sales for the years ended December 31, 2014, 2013 and 2012, respectively.

Solvents and Derivatives. We manufacture a variety of solvents, formaldehyde and other chemicals, which in turn are used in the manufacture of paints, coatings, adhesives and other products. Many solvents and derivatives products are derived from our production of acetic acid. Primary products are:

- Ethyl acetate, an acetate ester that is a solvent used in coatings, inks and adhesives and in the manufacture of photographic films and coated papers;

[Table of Contents](#)

- Butyl acetate, an acetate ester that is a solvent used in inks, pharmaceuticals and perfume;
- Formaldehyde, paraformaldehyde and formcels, which are primarily used to produce adhesive resins for plywood, particle board, coatings, POM engineering resins and a compound used in making polyurethane; and
- Other chemicals, such as crotonaldehyde, which are used by our food ingredients business for the production of sorbic acid and potassium sorbates, as well as raw materials for the fragrance and food ingredients industry.

Sales from solvents and derivatives products amounted to 11%, 11% and 11% of our consolidated net sales for the years ended December 31, 2014, 2013 and 2012, respectively.

• **Geographic Regions**

Net sales by destination for the Acetyl Intermediates segment by geographic region are as follows:

	Year Ended December 31,					
	2014		2013		2012	
	(In \$ millions, except percentages)					
North America	743	25%	708	25%	698	25%
Europe and Africa	905	31%	894	32%	1,010	36%
Asia-Pacific	1,210	41%	1,091	39%	986	35%
South America	103	3%	100	4%	97	4%
Total ⁽¹⁾	<u>2,961</u>	<u>100%</u>	<u>2,793</u>	<u>100%</u>	<u>2,791</u>	<u>100%</u>

⁽¹⁾ Excludes intersegment sales of \$532 million, \$448 million and \$440 million for the years ended December 31, 2014, 2013 and 2012, respectively.

• **Customers**

Our intermediate chemistry business sells its products both directly to customers and through distributors. Acetic acid, VAM and acetic anhydride are global businesses and we generally supply our customers under multi-year contracts. Acetic acid, VAM and acetic anhydride customers produce polymers used in water-based paints, adhesives, paper coatings, polyesters, film modifiers, pharmaceuticals, cellulose acetate and textiles. We have long-standing relationships with most of these customers.

Solvents and derivatives are sold to a diverse group of regional and multinational customers under multi-year contracts and on the basis of long-standing relationships. Solvents and derivatives customers are primarily engaged in the production of paints, coatings and adhesives. We manufacture formaldehyde for our own use as well as for sale to a few regional customers that include manufacturers in the wood products and chemical derivatives industries. The sale of formaldehyde is based on long- and short-term agreements. Specialty solvents are sold globally to a wide variety of customers, primarily in the coatings and resins and the specialty products industries. These products serve global regions in the synthetic lubricant, agrochemical, rubber processing and other specialty chemical areas.

• **Competition**

Our principal competitors in the Acetyl Intermediates segment include BASF SE, BP PLC, Chang Chun Petrochemical Co., Ltd., Daicel Corporation, The Dow Chemical Company, Eastman Chemical Company, E. I. du Pont de Nemours and Company, Jiangsu Sopo (Group) Co., Ltd., Kuraray Co., Ltd., LyondellBasell Industries N.V., Nippon Gohsei, Perstorp Inc. and Showa Denko K.K.

Other Activities

Other Activities primarily consists of corporate center costs, including financing and administrative activities such as legal,

accounting and treasury functions, interest income and expense associated with our financing activities and results of our captive insurance companies. Our two wholly-owned captive insurance companies are a key component of our global risk management program, as well as a form of self-insurance for our liability and workers compensation risks. The captive insurance companies retain risk at levels approved by management and obtain reinsurance coverage from third parties to limit the net risk retained. One of the captive insurance companies also insures certain third-party risks. Other Activities also

[Table of Contents](#)

includes the interest cost, expected return on assets and net actuarial gains and losses components of our net periodic benefit cost for our defined benefit pension plans and other postretirement plans, which are not allocated to our business segments.

Strategic Affiliates

Our strategic affiliates represent an important component of our strategy for accelerated growth and global expansion. We have a substantial portfolio of affiliates in various regions, including Asia-Pacific, North America and the Middle East. These affiliates, some of which date back as far as the 1960s, have sizeable operations and are significant within their industries.

Our strategic affiliates have similar business models as our core businesses. With shared characteristics such as products, applications and manufacturing technology, these strategic affiliates complement and extend our technology and specialty materials portfolio. We have historically entered into these investments to gain access to local demand, minimize costs and accelerate growth in areas we believe have significant future business potential. Depending on the level of investment and other factors, we account for our strategic affiliates using either the equity method or cost method of accounting.

Our strategic affiliates contribute substantial earnings and cash flows to Celanese. During the year ended December 31, 2014, our equity method strategic affiliates generated combined sales of \$2.9 billion, resulting in our recording \$161 million of equity in net earnings of affiliates and \$111 million of dividends.

Our strategic affiliates as of December 31, 2014 are as follows:

	<u>Location of Headquarters</u>	<u>Ownership</u>	<u>Partner(s)</u>	<u>Year Entered</u>
Equity Method Investments				
Advanced Engineered Materials				
National Methanol Company	Saudi Arabia	25 %	Saudi Basic Industries Corporation (50%); Texas Eastern Arabian Corporation Ltd. (25%)	1981
Korea Engineering Plastics Co., Ltd	South Korea	50 %	Mitsubishi Gas Chemical Company, Inc. (40%); Mitsubishi Corporation (10%)	1999
Polyplastics Co., Ltd.	Japan	45 %	Daicel Corporation (55%)	1964
Fortron Industries LLC	US	50 %	Kureha America Inc. (50%)	1992
Cost Method Investments				
Consumer Specialties				
Kunming Cellulose Fibers Co. Ltd.	China	30 %	China National Tobacco Corporation (70%)	1993
Nantong Cellulose Fibers Co. Ltd.	China	31 %	China National Tobacco Corporation (69%)	1986
Zhuhai Cellulose Fibers Co. Ltd.	China	30 %	China National Tobacco Corporation (70%)	1993

National Methanol Company (Ibn Sina). National Methanol Company represents approximately 1% of the world's methanol production capacity and is one of the world's largest producers of methyl tertiary-butyl ether, a gasoline additive. Its production facilities are located in Saudi Arabia. Saudi Basic Industries Corporation ("SABIC") is responsible for all product marketing. Methanol is a key feedstock for POM production and is produced by our Ibn Sina affiliate which provides an economic hedge against raw material costs in our engineered materials business.

Ibn Sina is currently constructing a 50,000 ton POM production facility in Saudi Arabia. The new facility will supply POM to support Advanced Engineered Materials' future growth plans as well as our venture partners' regional business development. Upon successful startup of the POM facility, our indirect economic interest in Ibn Sina will increase from 25% to 32.5%. SABIC's economic interest will remain unchanged.

Korea Engineering Plastics Co., Ltd. KEPCO is the leading producer of POM in South Korea. KEPCO has polyacetal

production facilities in Ulsan, South Korea, compounding facilities for PBT and nylon in Pyongtaek, South Korea, and participates with Polyplastics and Mitsubishi Gas Chemical Company, Inc. in a world-scale POM facility in Nantong, China.

Polyplastics Co., Ltd. Polyplastics is a leading supplier of engineered plastics. Polyplastics is a manufacturer and/or marketer of POM, LCP and PPS, with principal production facilities located in Japan and Malaysia.

[Table of Contents](#)

Fortron Industries LLC. Fortron is a leading global producer of PPS, sold under the Fortron® brand, which is used in a wide variety of automotive and other applications, especially those requiring heat and/or chemical resistance. Fortron's facility is located in Wilmington, North Carolina. This venture combines the sales, marketing, distribution, compounding and manufacturing expertise of Celanese with the PPS polymer technology expertise of Kureha America Inc.

Cellulose derivatives strategic ventures. Our cellulose derivatives ventures generally fund their operations using operating cash flow and pay dividends based on each ventures' performance in the preceding year. In 2014, 2013 and 2012, we received cash dividends of \$115 million, \$92 million and \$83 million, respectively.

Although our ownership interest in each of our cellulose derivatives ventures exceeds 20%, we account for these investments using the cost method of accounting because we determined that we cannot exercise significant influence over these entities due to local government investment in and influence over these entities, limitations on our involvement in the day-to-day operations and the present inability of the entities to provide timely financial information prepared in accordance with generally accepted accounting principles in the United States of America ("US GAAP").

• *Other Equity Method Investments*

InfraServs. We hold indirect ownership interests in several German InfraServ Groups that own and develop industrial parks and provide on-site general and administrative support to tenants. Our ownership interest in the equity investments in InfraServ affiliates are as follows:

	<u>As of December 31, 2014</u>
	(In percentages)
InfraServ GmbH & Co. Gendorf KG	39
InfraServ GmbH & Co. Hoechst KG	32
InfraServ GmbH & Co. Knapsack KG	27

Research and Development

Our businesses are innovation-oriented and conduct research and development activities to develop new, and optimize existing, production technologies, as well as to develop commercially viable new products and applications. Research and development expense was \$86 million, \$85 million and \$104 million for the years ended December 31, 2014, 2013 and 2012, respectively. We consider the amounts spent during each of the last three fiscal years on research and development activities to be sufficient to execute our current strategic initiatives.

Intellectual Property

We attach importance to protecting our intellectual property, including safeguarding our confidential information and through our patents, trademarks and copyrights, in order to preserve our investment in research and development, manufacturing and marketing. Patents may cover processes, equipment, products, intermediate products and product uses. We also seek to register trademarks as a means of protecting the brand names of our Company and products.

Patents. In most industrial countries, patent protection exists for new substances and formulations, as well as for certain unique applications and production processes. However, we do business in regions of the world where intellectual property protection may be limited and difficult to enforce.

Confidential Information. We maintain stringent information security policies and procedures wherever we do business. Such information security policies and procedures include data encryption, controls over the disclosure and safekeeping of confidential information and trade secrets, as well as employee awareness training.

Trademarks. AOPlus®, AOPlus®2, AOPlus®3, Ateva®, Avicor®, BriteCoat®, Celanese®, Celanex®, Celcon®, CelFX™, Celstran®, Celvolit®, Clarifoil®, Duroset®, EcoVAE®, Factor®, Fortron®, GUR®, Hostaform®, Impet®, Mowilith®, Nutrinova®, Qorus™, Riteflex®, Sunett®, TCX™, Thermx®, TufCOR®, VAntage®, VAntagePlus™, VAntage®2, Vectra®, Vinamul®, VitalDose®, Zenite® and certain other branded products and services named in this document are registered or reserved

trademarks or service marks owned or licensed by Celanese. The foregoing is not intended to be an exhaustive or comprehensive list of all registered or reserved trademarks and service marks owned or licensed by Celanese. Fortron[®] is a registered trademark of Fortron Industries LLC.

[Table of Contents](#)

We monitor competitive developments and defend against infringements on our intellectual property rights. Neither Celanese nor any particular business segment is materially dependent upon any one patent, trademark, copyright or trade secret.

Environmental and Other Regulation

Matters pertaining to environmental and other regulations are discussed in *Item 1A. Risk Factors*, as well as [Note 2 - Summary of Accounting Policies](#), [Note 16 - Environmental](#) and [Note 24 - Commitments and Contingencies](#) in the accompanying consolidated financial statements.

Employees

Employees employed by Celanese on a continuing basis throughout the world are as follows:

	<u>Employees as of December 31, 2014</u>
North America	
US	2,877
Canada	248
Mexico	705
Total	<u>3,830</u>
Europe	
Germany	1,531
Other Europe	1,018
Total	<u>2,549</u>
Asia	<u>1,013</u>
Rest of World	<u>76</u>
Total	<u><u>7,468</u></u>

Backlog

We do not consider backlog to be a significant indicator of the level of future sales activity. In general, we do not manufacture our products against a backlog of orders. Production and inventory levels are based on the level of incoming orders as well as projections of future demand. Therefore, we believe that backlog information is not material to understanding our overall business and should not be considered a reliable indicator of our ability to achieve any particular level of net sales or financial performance.

Available Information — Securities and Exchange Commission ("SEC") Filings and Corporate Governance Materials

We make available free of charge, through our internet website (<http://www.celanese.com>), our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as well as ownership reports on Form 3 and Form 4, as soon as reasonably practicable after electronically filing such material with, or furnishing it to, the SEC. References to our website in this report are provided as a convenience, and the information on our website is not, and shall not be deemed to be a part of this report or incorporated into any other filings we make with the SEC. The SEC maintains a website that contains reports, proxy and information statements, and other information regarding issuers, including Celanese Corporation, that electronically file with the SEC at <http://www.sec.gov>.

We also make available free of charge, through our website, our Corporate Governance Guidelines of our Board of Directors and the charters of each of the committees of our Board of Directors.

[Table of Contents](#)

Item 1A. Risk Factors

Many factors could have an effect on our financial condition, cash flows and results of operations. We are subject to various risks resulting from changing economic, environmental, political, industry, business, financial and regulatory conditions. The factors described below represent our principal risks.

Risks Related to Our Business

We are a company with operations around the world and are exposed to general economic, political and regulatory conditions and risks in the countries in which we have significant operations.

We operate globally and have customers in many countries. Our major facilities are primarily located in North America, Europe and Asia, and we hold interests in affiliates that operate in the US, Germany, China, Japan, Malaysia, South Korea and Saudi Arabia. Our principal customers are similarly global in scope, and the prices of our most significant products are typically regional or world market prices. Consequently, our business and financial results are affected, directly and indirectly, by world economic conditions, including instability in credit markets, declining consumer and business confidence, fluctuating commodity prices and interest rates, volatile exchange rates and other challenges such as the changing regulatory environment.

Our operations are also subject to global political conditions. In certain foreign jurisdictions, our operations are subject to nationalization and expropriation risk and some of our contractual relationships within these jurisdictions are subject to cancellation without full compensation for loss. In certain cases where we benefit from local government subsidies or other undertakings, such benefits are subject to the solvency of local government entities and are subject to termination without meaningful recourse or remedies.

Failure to comply with applicable laws, rules, regulations or court decisions could expose us to fines, penalties and other costs. Moreover, changes in laws or regulations, such as unexpected changes in regulatory requirements (including import or export licensing requirements), or changes in reporting requirements of the US, Canadian, Mexican, German, European Union ("EU") or Asian governmental agencies, could increase the cost of doing business in these regions. Any of these conditions may have an effect on our business and financial results as a whole and may result in volatile current and future prices for our securities, including our stock.

We have invested significant resources in China and other Asian countries. This region's growth may slow, and we may fail to realize the anticipated benefits associated with our investment there and our financial results may be adversely impacted.

In addition, we have significant operations and financial relationships based in Europe. Historically sales originating in Europe have accounted for over one-third of our net sales and approximately 40% in 2014. Adverse conditions in the European economy may negatively impact our overall financial results due to reduced economic growth and resulting decreased end-use customer demand.

As of December 31, 2014, we held \$392 million in cash in Europe. This cash is primarily invested in deposits in several European banks and US Treasury money market funds. The allocation of the cash invested in each of these options fluctuates based on market conditions. As of December 31, 2014, we also had \$113 million of direct investments in European sovereign debt and corporate bonds in our pension funds, accounting for less than 4% of our total pension fund assets, which may be affected if there are adverse conditions in the European economy. Our ability to access additional liquidity from European financial institutions in the future may also be impaired.

Finally, conditions such as the uncertainties associated with war, terrorist activities, civil unrest, epidemics, pandemics, weather, natural disasters, the effects of climate change or political instability in any of the countries in which we operate or have significant customers or suppliers could affect us by causing delays or losses in the supply or delivery of raw materials and products, as well as increasing security costs, insurance premiums and other expenses. These conditions could also result in or lengthen economic recession in the US, Europe, Asia or elsewhere.

We are subject to risks associated with the increased volatility in the prices and availability of key raw materials and energy, which could have a significant adverse effect on the margins of our products and our financial results.

We purchase significant amounts of ethylene, methanol, carbon monoxide and natural gas from third parties primarily for use in our production of basic chemicals in the Acetyl Intermediates segment, principally acetic acid, vinyl acetate monomer ("VAM") and formaldehyde. We use a portion of our output of these chemicals, in turn, as inputs in the production of downstream products in all our business segments. We also purchase some of these raw materials for use in our Industrial Specialties segment, primarily for vinyl acetate ethylene emulsions and ethylene vinyl acetate production, as well as significant amounts of

[Table of Contents](#)

wood pulp for use in our production of cellulose acetate in our Consumer Specialties segment. The price of many of these items is dependent on the available supply of that item and may increase significantly as a result of natural disasters, plant or production disruptions, strikes or other labor unrest, war or other outbreak of hostilities or terrorism, breakdown or degradation of transportation infrastructure used for delivery of strategic raw materials and energy commodities, or changes in laws or regulations. In particular, to the extent of our vertical integration in the production of chemicals, shortages in the availability of raw material chemicals, such as natural gas, ethylene and methanol, or the loss of our dedicated supplies of carbon monoxide, may have an increased adverse impact on us as it can cause a shortage in intermediate and finished products. Such shortages would adversely impact our ability to produce certain products and increase our costs resulting in reduced margins and adverse financial results.

We are exposed to volatility in the prices of our raw materials and energy. Although we have long-term supply agreements, multi-year purchasing and sales agreements and forward purchase contracts providing for the supply of ethylene, methanol, carbon monoxide, wood pulp, natural gas and electricity, the contractual prices for these raw materials and energy can vary with economic conditions and may be highly volatile. In addition to the factors noted above that may impact supply or price, factors that have caused volatility in our raw material prices in the past and which may do so in the future include:

- Shortages of raw materials due to increasing demand, e.g., from growing uses or new uses;
- Capacity constraints, e.g., due to construction delays, labor disruption, involuntary shutdowns or turnarounds;
- The inability of a supplier to meet our delivery orders or a supplier's choice not to fulfill orders or to terminate a supply contract or our inability to obtain or renew supply contracts on favorable terms;
- The general level of business and economic activity; and
- The direct or indirect effect of governmental regulation (including the impact of government regulation relating to climate change).

If we are not able to fully offset the effects of higher energy and raw material costs through price increases, productivity improvements or cost reduction programs, or if such commodities become unavailable, it could have a significant adverse effect on our ability to timely and profitably manufacture and deliver our products resulting in reduced margins and adverse financial results.

We have a practice of maintaining, when available, multiple sources of supply for raw materials and services. However, some of our individual plants may have single sources of supply for some of their raw materials, such as carbon monoxide, steam and ethylene, or services. Although we have been able to obtain sufficient supplies of raw materials and services, there can be no assurance that unforeseen developments will not affect our ability to source raw materials or services. Even if we have multiple sources of supply for a raw material or a service, there can be no assurance that these sources can make up for the loss of a major supplier. Furthermore, if any sole source or major supplier were unable or unwilling to deliver a raw material or a service for an extended period of time, we may not be able to find an acceptable alternative, and any such alternative could result in increased costs. It is also possible profitability will be adversely affected if we are required to qualify additional sources of supply for a raw material or a service to our specifications in the event of the loss of a sole source or major supplier.

A portion of our supply of methanol in North America is currently obtained under a contract expiring in 2015. We are currently constructing a methanol plant in the US that we anticipate will be operational in the second half of 2015 to replace the majority of the methanol obtained under that contract. We have secured a bridge supply agreement that will supply us with methanol through the end of 2015.

Production at our manufacturing facilities could be disrupted for a variety of reasons, which could prevent us from producing enough of our products to maintain our sales and satisfy our customers' demands.

A disruption in production at one or more of our manufacturing facilities could have a material adverse effect on our business. Disruptions could occur for many reasons, including fire, natural disasters, weather, unplanned maintenance or other manufacturing problems, disease, strikes or other labor unrest, transportation interruption, government regulation,

political unrest or terrorism. Alternative facilities with sufficient capacity or capabilities may not be available, may cost substantially more or may take a significant time to start production, each of which could negatively affect our business and financial performance. If one of our key manufacturing facilities is unable to produce our products for an extended period of time, our sales may be reduced by the shortfall caused by the disruption and we may not be able to meet our customers' needs, which could cause them to seek other suppliers. In particular, production disruptions at our manufacturing facilities that produce chemicals used as inputs in the production of chemicals in other business segments, such as acetic acid, VAM and

[Table of Contents](#)

formaldehyde, could have a more significant adverse effect on our business and financial performance and results of operations to the extent of such vertical integration. Furthermore, to the extent a production disruption occurs at a manufacturing facility that has been operating at or near full capacity, the resulting shortage of our product could be particularly harmful because production at the manufacturing facility may not be able to reach levels achieved prior to the disruption.

Failure to develop new products and production technologies or to implement productivity and cost reduction initiatives successfully may harm our competitive position.

Our operating results depend significantly on the development of commercially viable new products, product grades and applications, as well as process technologies, free of any legal restrictions. If we are unsuccessful in developing new products, applications and production processes in the future, our competitive position and operating results may be negatively affected. However, as we invest in new technology, we face the risk of unanticipated operational or commercialization difficulties, including an inability to obtain necessary permits or governmental approvals, the development of competing technologies, failure of facilities or processes to operate in accordance with specifications or expectations, construction delays, cost over-runs, the unavailability of financing, required materials or equipment and various other factors. Likewise, we have undertaken and are continuing to undertake initiatives in all business segments to improve productivity and performance and to generate cost savings. These initiatives may not be completed or beneficial or the estimated cost savings from such activities may not be realized.

Our business exposes us to potential product liability claims and recalls, which could adversely affect our financial condition and performance.

The development, manufacture and sales of specialty chemical products by us, including products produced for the food and beverage, cigarette, automobile, aerospace, medical device and pharmaceutical industries, involve a risk of exposure to product liability claims, product recalls, product seizures and related adverse publicity. A product liability claim or judgment against us could also result in substantial and unexpected expenditures, affect consumer or customer confidence in our products, and divert management's attention from other responsibilities. Although we maintain product liability insurance, there can be no assurance that this type or the level of coverage is adequate or that we will be able to continue to maintain our existing insurance or obtain comparable insurance at a reasonable cost, if at all. A product recall or a partially or completely uninsured judgment against us could have a material adverse effect on our results of operations or financial condition. Although we have standard contracting policies and controls, we may not always be able to contractually limit our exposure to third party claims should our failure to perform result in downstream supply disruptions or product recalls.

We could be subject to damages based on claims brought against us by our customers or lose customers as a result of the failure of our products to meet certain quality specifications.

Our products provide important performance attributes to our customers' products. If a product fails to perform in a manner consistent with quality specifications, a customer could seek replacement of the product or damages for costs incurred as a result of the product failing to perform as guaranteed. A successful claim or series of claims against us could have a material adverse effect on our financial condition and results of operations and could result in a loss of one or more key customers.

Our future success depends in part on our ability to protect our intellectual property rights. Our inability to protect and enforce these rights could reduce our ability to maintain our industry position and our profit margins.

We attach importance to our patents, trademarks, copyrights, know-how and trade secrets in order to protect our investment in research and development, and competitive commercial positions in manufacturing and marketing of our products. We have also adopted internal policies for protecting our know-how and trade secrets. In addition, we sometimes license patents and other technology from third parties. Our practice is to seek patent or trade secret protection for significant developments that provide us competitive advantages and freedom to practice for our businesses. Patents may cover catalysts, processes, products, intermediate products and product uses. These patents are usually filed throughout the world and provide varying periods and scopes of protection based on the filing date and the type of patent application. The legal life and scope of protection provided by a patent may vary among those countries in which we seek protection. As patents expire, the catalysts, processes and products described and claimed in those patents generally may become available for use by the public subject to our continued protection for associated know-how and trade secrets. We also seek to register trademarks as a means of

protecting the brand names of our products, which brand names become more important once the corresponding product or process patents have expired. We operate in regions of the world where intellectual property protection may be limited and difficult to enforce and our continued growth strategy may bring us to additional regions with similar challenges. If we are not successful in protecting or maintaining our patent, license, trademark or other intellectual property rights, our net sales, results of operations and cash flows may be adversely affected.

[Table of Contents](#)

Our business is exposed to risks associated with the creditworthiness of our suppliers, customers and business partners and the industries in which our suppliers, customers and business partners participate are cyclical in nature, both of which may adversely affect our business and results of operations.

Some of the industries in which our end-use customers participate, such as the automotive, electrical, construction and textile industries, are highly competitive, to a large extent driven by end-use applications, and may experience overcapacity, all of which may affect demand for and pricing of our products. Our business is exposed to risks associated with the creditworthiness of our key suppliers, customers and business partners and reductions in demand for our customers' products. These risks include the interruption of production at the facilities of our customers, the reduction, delay or cancellation of customer orders, delays in or the inability of customers to obtain financing to purchase our products, delays in or interruptions of the supply of raw materials we purchase and bankruptcy of customers, suppliers or other creditors. In addition, many of these industries are cyclical in nature, thus posing risks to us that vary throughout the year. The occurrence of any of these events may adversely affect our cash flow, profitability and financial condition. Furthermore, adverse conditions in the European economy could increase the likelihood and impact of these events for our European customers by potentially limiting end-use customer demand and restricting our customers' access to capital, which could continue to negatively affect our financial results.

Environmental regulations and other obligations relating to environmental matters could subject us to liability for fines, clean-ups and other damages, require us to incur significant costs to modify our operations and increase our manufacturing and delivery costs.

Costs related to our compliance with environmental laws and regulations, and potential obligations with respect to sites currently or formerly owned or operated by us, may have a significant negative impact on our operating results. We also have obligations related to the indemnity agreement contained in the demerger and transfer agreement between Celanese GmbH and Hoechst AG for environmental matters arising out of certain divestitures that took place prior to the demerger.

Our operations are subject to extensive international, national, state, local and other laws and regulations that govern environmental and health and safety matters. We incur substantial capital and other costs to comply with these requirements. If we violate any one of those laws or regulations, we can be held liable for substantial fines and other sanctions, including limitations on our operations as a result of changes to or revocations of environmental permits involved. Stricter environmental, safety and health laws and regulations could result in substantial costs and liabilities to us or limitations on our operations. Consequently, compliance with these laws and regulations may negatively affect our earnings and cash flows in a particular reporting period. See *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations - Liquidity and Capital Resources* for further information.

Changes in environmental, health and safety regulations in the jurisdictions where we manufacture and sell our products could lead to a decrease in demand for our products.

New or revised governmental regulations and independent studies relating to the effect of our products on health, safety or the environment may affect demand for our products and the cost of producing our products. In addition, VAM or other chemicals we produce may be classified in a manner that would adversely affect demand for such products.

We are a producer of formaldehyde and plastics derived from formaldehyde. Several studies have investigated possible links between formaldehyde exposure and various end points including leukemia. The International Agency for Research on Cancer ("IARC"), a private research agency, has reclassified formaldehyde from Group 2A (probable human carcinogen) to Group 1 (known human carcinogen) based on studies linking formaldehyde exposure to nasopharyngeal cancer, a rare cancer in humans. In October 2009, IARC also concluded based on a recent study that there is sufficient evidence for a causal association between formaldehyde and the development of leukemia. We expect the results of IARC's review will be examined and considered by government agencies with responsibility for setting worker and environmental exposure standards and labeling requirements.

Other pending initiatives potentially will require toxicological testing and risk assessments of a wide variety of chemicals, including chemicals used or produced by us. These initiatives include the Voluntary Children's Chemical Evaluation Program, High Production Volume Chemical Initiative and expected modifications to the Toxic Substances Control Act ("TSCA") in the US, as well as various European Commission programs, such as the Registration, Evaluation, Authorization

and Restriction of Chemicals ("REACH").

The above-mentioned assessments in the US and Europe may result in heightened concerns about the chemicals involved and additional requirements being placed on the production, handling, labeling or use of the subject chemicals. Such concerns and additional requirements could also increase the cost incurred by our customers to use our chemical products and otherwise limit

[Table of Contents](#)

the use of these products, which could lead to a decrease in demand for these products. Such a decrease in demand would likely have an adverse impact on our business and results of operations.

Our production facilities, including facilities we own and/or operate, handle the processing of some volatile and hazardous materials that subject us to operating and other risks that could have a negative effect on our operating results.

Our operations are subject to operating and other risks associated with chemical manufacturing, including the related storage and transportation of raw materials, finished products and waste. These risks include, among other things, pipeline and storage tank leaks and ruptures, explosions and fires and discharges or releases of toxic or hazardous substances.

These operating and other risks can cause personal injury, property damage, third-party damages and environmental contamination, and may result in the shutdown of affected facilities and the imposition of civil or criminal penalties. The occurrence of any of these events may disrupt production and have a negative effect on the productivity and profitability of a particular manufacturing facility, our operating results and cash flows.

US federal regulations aimed at increasing security at certain chemical production plants and similar legislation that may be proposed in the future, if passed into law, may increase our operating costs and cause an adverse effect on our results of operations.

Regulations are being implemented by the US Department of Homeland Security ("DHS") aimed at decreasing the risk, and effects, of potential terrorist attacks on chemical plants located within the US. Pursuant to these regulations, these goals would be accomplished in part through the requirement that certain high-priority facilities develop a prevention, preparedness, and response plan after conducting a vulnerability assessment. In addition, companies may be required to evaluate the possibility of using less dangerous chemicals and technologies as part of their vulnerability assessments and security plans and implementing feasible safer technologies in order to minimize potential damage to their facilities from a terrorist attack. We cannot determine with certainty the costs associated with any security measures that DHS may require.

We are subject to risks associated with possible climate change legislation, regulation and international accords.

Greenhouse gas emissions have become the subject of a large amount of international, national, regional, state and local attention. For example, the Environmental Protection Agency ("EPA") has promulgated rules concerning greenhouse gas emissions. In addition, regulation of greenhouse gas also could occur pursuant to future US treaty obligations, statutory or regulatory changes under the Clean Air Act or new climate change legislation. In addition, cap and trade initiatives to limit greenhouse gas emissions have been introduced in the EU.

While not all are likely to become law, many countries are considering or have implemented regulatory programs to reduce greenhouse gas emissions. Future environmental legislative and regulatory developments related to climate change are possible, which could materially increase operating costs in the chemical industry and thereby increase our manufacturing and delivery costs.

Our business and financial results may be adversely affected by various legal and regulatory proceedings.

We are subject to legal and regulatory proceedings, lawsuits and claims in the normal course of business and could become subject to additional claims in the future, some of which could be material. The outcome of existing proceedings, lawsuits and claims may differ from our expectations because the outcomes of litigation, including regulatory matters, are often difficult to reliably predict. Various factors or developments can lead us to change current estimates of liabilities and related insurance receivables where applicable, or permit us to make such estimates for matters previously not susceptible to reasonable estimates, such as a significant judicial ruling or judgment, a significant settlement, significant regulatory developments, or changes in applicable law. A future adverse ruling, settlement, or unfavorable development could result in charges that could have a material adverse effect on our business, results of operations or financial condition in any particular period. See [Note 16 - Environmental](#) and [Note 24 - Commitments and Contingencies](#) in the accompanying consolidated financial statements for further information.

Changes in, or the interpretation of, tax legislation or rates throughout the world could materially impact our results.

Our future effective tax rate and related tax balance sheet attributes could be impacted by changes in tax legislation throughout the world. In particular, proposed US tax legislation could materially impact our results. Currently, the majority of our net sales are generated from customers located outside of the US, and a substantial portion of our assets and employees are located outside of the US. If these funds are needed for our operations in the US, we will access such funds in a tax efficient manner to satisfy cash flow needs.

[Table of Contents](#)

We have not accrued income taxes or foreign withholding taxes on undistributed earnings for most non-US subsidiaries, because those earnings are intended to be indefinitely reinvested in the operations of those subsidiaries. Certain tax proposals with respect to such earnings could substantially increase our tax expense, which would substantially reduce our income and have a material adverse effect on our results of operations and cash flows from operating activities. Currently, there are no contemplated cash distributions that will result in incremental US taxes payable in excess of applicable foreign tax credits related to such undistributed earnings. As a result, we have not provided any deferred income taxes on the portion of undistributed foreign earnings determined not to be permanently reinvested in foreign operations.

Our future effective tax rates could be affected by changes in the mix of earnings in countries with differing statutory tax rates, expirations of tax holidays, changes in the assessment regarding the realization of the valuation of deferred tax assets, or changes in tax laws and regulations or their interpretation. We are subject to the regular examination of our income tax returns by various tax authorities. We regularly assess the likelihood of adverse outcomes resulting from these examinations to determine the adequacy of our provision for taxes. It is possible the outcomes from these examinations will have a material adverse effect on our financial condition and operating results.

Our significant non-US operations expose us to global exchange rate fluctuations that could adversely impact our profitability.

Because we conduct a significant portion of our operations outside the US, fluctuations in currencies of other countries, especially the Euro, may materially affect our operating results. For example, changes in currency exchange rates may decrease our profits in comparison to the profits of our competitors whose principal operations are conducted in the US on the same products sold in the same industries and increase the cost of items required in our operations.

A substantial portion of our net sales is denominated in currencies other than the US dollar. In our consolidated financial statements, we translate our local currency financial results into US dollars based on average exchange rates prevailing during a reporting period or the exchange rate at the end of that period. During times of a strengthening US dollar our reported international sales, earnings, assets and liabilities will be reduced because the local currency will translate into fewer US dollars.

In addition to currency translation risks, we incur a currency transaction risk whenever one of our operating subsidiaries enters into a purchase or sales transaction using a currency different from the operating subsidiary's functional currency. Given the volatility of exchange rates, we may not be able to manage our currency transaction and translation risks effectively. Since a portion of our indebtedness is and will be denominated in currencies other than US dollars, a weakening of the US dollar could make it more difficult for us to repay our indebtedness denominated in foreign currencies unless we have cash flows in those foreign currencies from our foreign operations to repay such indebtedness.

We use financial instruments to hedge certain exposure to foreign currency fluctuations, but we cannot guarantee that our hedging strategies will be effective. In addition, the use of financial instruments creates counterparty settlement risk. Failure to effectively manage these risks could have an adverse impact on our financial position, results of operations and cash flows.

We are subject to information technology security threats that could materially affect our business.

We have been and will continue to be subject to advanced persistent information technology security threats. While some unauthorized access to our information technology systems occurs, we believe to date these threats have not had a material impact on our business. We seek to detect and investigate these security incidents and to prevent their recurrence but in some cases we might be unaware of an incident or its magnitude and effects. The theft, mis-use or publication of our intellectual property and/or confidential business information or the compromising of our systems or networks could harm our competitive position, cause operational disruption, reduce the value of our investment in research and development of new products and other strategic initiatives or otherwise adversely affect our business or results of operations. To the extent that any security breach results in inappropriate disclosure of our employees', customers' or vendors' confidential information, we may incur liability as a result. Although we attempt to mitigate these risks by employing a number of measures, including monitoring of our systems and networks, and maintenance of backup and protective systems, our systems, networks, products and services remain potentially vulnerable to increasingly sophisticated advanced persistent threats that may have a material effect on our business. In addition, the devotion of additional resources to the security of our information technology systems in the future could significantly increase the cost of doing business or otherwise adversely impact our financial results.

[Table of Contents](#)

Our success depends upon our ability to attract and retain key employees and the identification and development of talent to succeed senior management.

Our success depends on our ability to attract and retain key personnel, and we rely heavily on our management team. The inability to recruit and retain key personnel or the unexpected loss of key personnel may adversely affect our operations. In addition, because of our reliance on our management team, our future success depends in part on our ability to identify and develop talent to succeed senior management. The retention of key personnel and appropriate senior management succession planning will continue to be important to the successful implementation of our strategies.

Significant changes in pension fund investment performance or assumptions relating to pension costs may have a material effect on the valuation of pension obligations, the funded status of pension plans and our pension cost.

The cost of our pension plans is incurred over long periods of time and involves many uncertainties during those periods of time. Our funding policy for pension plans is to accumulate plan assets that, over the long run, will approximate the present value of projected benefit obligations. Our pension cost is materially affected by the discount rate used to measure pension obligations, the level and value of plan assets available to fund those obligations at the measurement date and the expected long-term rate of return on plan assets. Significant changes in investment performance or a change in the portfolio mix of invested assets will likely result in corresponding increases and decreases in the valuation of plan assets and a change in the discount rate or mortality assumptions will likely result in an increase or decrease in the valuation of pension obligations. The combined impact of these changes will affect the reported funded status of our pension plans as well as the net periodic pension cost in the following fiscal years. In recent years, an extended duration strategy in the asset portfolio has been implemented in some plans to reduce the influence of liability volatility due to changes in interest rates. If the funded status of a pension plan declines, we may be required to make unscheduled contributions in addition to those contributions for which we have already planned.

Some of our employees are unionized, represented by workers councils or are subject to local laws that are less favorable to employers than the laws of the US.

As of December 31, 2014, we had 7,468 employees. Approximately 18% of our 2,877 US-based employees are unionized. Our two US-based collective bargaining agreements expire in 2016 and 2017. At the largest union site, Narrows, Virginia, we successfully concluded contract negotiations on a three year contract in April 2014. This contract settled without any labor dispute or unrest. Planning for our Meredosia, Illinois negotiations, a site of only 25 union represented employees, will begin in 2015 and we expect to successfully conclude negotiations by January 2016. In addition, a large number of our employees are employed in countries in which employment laws provide greater bargaining or other employment rights than the laws of the US. Such employment rights require us to work collaboratively with the legal representatives of the employees to effect any changes to labor agreements. Most of our employees in Europe are represented by workers councils and/or unions that must approve any changes in terms and conditions of employment, including potentially salaries and benefits. They may also impede efforts to restructure our workforce. Although we believe we have a good working relationship with our employees and their legal representatives a strike, work stoppage, or slowdown by our employees could occur, resulting in a disruption of our operations or higher ongoing labor costs.

Provisions in our certificate of incorporation and bylaws, as well as any stockholders' rights plan, may discourage a takeover attempt.

Provisions contained in our certificate of incorporation and bylaws could make it more difficult for a third party to acquire us, even if doing so might be beneficial to our stockholders. Provisions of our certificate of incorporation and bylaws impose various procedural and other requirements, which could make it more difficult for stockholders to effect certain corporate actions. For example, our certificate of incorporation authorizes our Board of Directors to determine the rights, preferences, privileges and restrictions of unissued series of preferred stock, without any vote or action by our stockholders. Thus, our Board of Directors can authorize and issue shares of preferred stock with voting or conversion rights that could adversely affect the voting or other rights of holders of our Series A common stock, par value \$0.0001 per share ("Common Stock"). These rights may have the effect of delaying or deterring a change of control of our Company. In addition, a change of control of our Company may be delayed or deterred as a result of our having three classes of directors (each class elected for a three year term) or as a result of any stockholders' rights plan that our Board of Directors may adopt. These provisions could limit the price that certain investors might be willing to pay in the future for shares of our Common Stock.

[Table of Contents](#)

We may incur significant charges in the event we close or divest all or part of a manufacturing plant or facility.

We periodically assess our manufacturing operations in order to manufacture and distribute our products in the most efficient manner. Based on our assessments, we may make capital improvements to modernize certain units, move manufacturing or distribution capabilities from one plant or facility to another plant or facility, discontinue manufacturing or distributing certain products or close or divest all or part of a manufacturing plant or facility. We also have shared services agreements at several of our plants and if such agreements are terminated or revised, we would assess and potentially adjust our manufacturing operations. The closure or divestiture of all or part of a manufacturing plant or facility could result in future charges that could be significant. See [Note 4 - Acquisitions, Dispositions and Plant Closures](#) in the accompanying consolidated financial statements for further information.

We may not be able to complete future acquisitions or successfully integrate future acquisitions into our business, which could adversely affect our business or results of operations.

As part of our growth strategy, we intend to pursue acquisitions and joint venture opportunities. Successful accomplishment of this objective may be limited by the availability and suitability of acquisition candidates and by our financial resources, including available cash and borrowing capacity. Acquisitions involve numerous risks, including difficulty determining appropriate valuation, integrating operations, technologies, services and products of the acquired lines or businesses, personnel turnover and the diversion of management's attention from other business matters. In addition, we may be unable to achieve anticipated benefits from these acquisitions in the time frame that we anticipate, or at all, which could adversely affect our business or results of operations.

The insurance coverage that we maintain may not fully cover all operational risks.

We maintain property, business interruption and casualty insurance but such insurance may not cover all of the risks associated with the hazards of our business and is subject to limitations, including deductibles and maximum liabilities covered. We may incur losses beyond the limits, or outside the coverage, of our insurance policies, including liabilities for environmental remediation. In the future, the types of insurance we obtain and the level of coverage we maintain may be inadequate or we may be unable to continue to maintain our existing insurance or obtain comparable insurance at a reasonable cost.

Differences in views with our joint venture participants may cause our joint ventures not to operate according to their business plans, which may adversely affect our results of operations.

We currently participate in a number of joint ventures and may enter into additional joint ventures in the future. The nature of a joint venture requires us to share control with unaffiliated third parties. Differences in views among joint venture participants may result in delayed decisions or failure to agree on major decisions. If these differences cause the joint ventures to deviate from their business plans or to fail to achieve their desired operating performance, our results of operations could be adversely affected.

Risks Related to Our Indebtedness

Our level of indebtedness and other liabilities could diminish our ability to raise additional capital to fund our operations or refinance our existing indebtedness when it matures, limit our ability to react to changes in the economy or the chemicals industry and prevent us from meeting obligations under our indebtedness.

See [Note 14 - Debt](#) in the accompanying consolidated financial statements for further information about our indebtedness. See [Note 13 - Noncurrent Other Liabilities](#), [Note 15 - Benefit Obligations](#) and [Note 16 - Environmental](#) in the accompanying consolidated financial statements for further information about our other obligations.

Our level of indebtedness and other liabilities could have important consequences, including:

- Increasing our vulnerability to general economic and industry conditions including exacerbating the impact of any adverse business effects that are determined to be material adverse events under our existing senior credit agreement (the "Amended Credit Agreement") or our indentures (the "Indentures") governing our €300 million in aggregate principal

amount of 3.250% senior unsecured notes due 2019, \$400 million in aggregate principal amount of 5.875% senior unsecured notes due 2021 and \$500 million in aggregate principal amount of 4.625% senior unsecured notes due 2022 (collectively, the "Senior Notes");

- Requiring a substantial portion of cash flow from operations to be dedicated to the payment of principal and interest on indebtedness and amounts payable in connection with the satisfaction of our other liabilities, therefore reducing our ability

[Table of Contents](#)

to use our cash flow to fund operations, capital expenditures and future business opportunities or pay dividends on our Common Stock;

- Exposing us to the risk of increased interest rates as certain of our borrowings are at variable rates of interest;
- Exposing us to the risk of changes in currency exchange rates as certain of our borrowings are denominated in foreign currencies;
- Limiting our ability to obtain additional financing for working capital, capital expenditures, product development, debt service requirements, acquisitions and general corporate or other purposes;
- Limiting our ability to enter into certain commercial arrangements because of concerns of counterparty risks; and
- Limiting our ability to adjust to changing market conditions and placing us at a competitive disadvantage compared to our competitors who have less debt.

We may incur additional indebtedness in the future, which could increase the risks described above.

Although covenants under the Amended Credit Agreement and the Indentures limit our ability to incur certain additional indebtedness, these restrictions are subject to a number of qualifications and exceptions, and the indebtedness we could incur in compliance with these restrictions could be significant. To the extent that we incur additional indebtedness, the risks associated with our debt described above, including our possible inability to service our debt, including the Senior Notes, would increase.

Our variable rate and euro denominated indebtedness subjects us to interest rate risk and foreign currency exchange rate risk, which could cause our debt service obligations to increase significantly and affect our operating results.

Certain of our borrowings are at variable rates of interest or are euro denominated, which exposes us to interest rate risk and currency exchange rate risk, respectively. See *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations - Liquidity and Capital Resources*, *Item 7A. Quantitative and Qualitative Disclosures About Market Risk* below and [Note 22 - Derivative Financial Instruments](#) in the accompanying consolidated financial statements for further information.

We may not be able to generate sufficient cash to service our indebtedness and may be forced to take other actions to satisfy obligations under our indebtedness, which may not be successful.

Our ability to make scheduled payments on or to refinance our debt obligations depends on the financial condition and operating performance of our subsidiaries, which are subject to prevailing economic and competitive conditions and to certain financial, business and other factors beyond our control. We may not be able to maintain a level of cash flows from operating activities sufficient to permit us to pay the principal, premium, if any, and interest on our indebtedness.

If our cash flows and capital resources are insufficient to fund our debt service obligations, we may be forced to reduce or delay capital expenditures, sell assets, seek additional capital or restructure or refinance our indebtedness. These alternative measures may not be successful and may not permit us to meet our scheduled debt service obligations. In the absence of such operating results and resources, we could face substantial liquidity problems and might be required to dispose of material assets or operations to meet our debt service and other obligations. We may not be able to consummate those dispositions or to obtain the proceeds that we could realize from them and these proceeds may not be adequate to meet any debt service obligations then due.

Restrictive covenants in our debt agreements may limit our ability to engage in certain transactions and may diminish our ability to make payments on our indebtedness or pay dividends.

The Amended Credit Agreement, the Indentures and the Receivables Purchase Agreement (the "Purchase Agreement") governing our receivables securitization facility each contain various covenants that limit our ability to engage in specified types of transactions. The Amended Credit Agreement requires us to maintain a maximum first lien senior secured leverage

ratio if there are outstanding borrowings or letters of credit issued under the revolving credit facility. Our ability to meet this financial ratio can be affected by events beyond our control, and we may not be able to meet this test at all.

The Amended Credit Agreement also contains covenants including, but not limited to, restrictions on our ability to incur indebtedness; grant liens on assets; merge, consolidate, or sell assets; pay dividends or make other restricted payments; make

[Table of Contents](#)

investments; prepay or modify certain indebtedness; engage in transactions with affiliates; enter into sale-leaseback transactions or hedge transactions; or engage in other businesses.

In addition, the Indentures limit Celanese US's and certain of its subsidiaries' ability to, among other things, incur additional debt; pay dividends or make other restricted payments; consummate specified asset sales; enter into transactions with affiliates; incur liens, impose restrictions on the ability of a subsidiary to pay dividends or make payments to Celanese US and its restricted subsidiaries; merge or consolidate with any other person; and sell, assign, transfer, lease, convey or otherwise dispose of all or substantially all of Celanese US's assets or the assets of its restricted subsidiaries.

The Purchase Agreement also contains covenants including, but not limited to, restrictions on CE Receivables LLC, a wholly-owned, "bankruptcy remote" special purpose subsidiary of the Company, and certain other Company subsidiaries' ability to incur indebtedness; grant liens on assets; merge, consolidate, or sell assets; pay dividends or make other restricted payments; make investments; prepay or modify certain indebtedness; or engage in other businesses.

Such restrictions in our debt obligations could result in us having to obtain the consent of our lenders and holders of the Senior Notes in order to take certain actions. Disruptions in credit markets may prevent us from obtaining or make it more difficult or more costly for us to obtain such consents. Our ability to expand our business or to address declines in our business may be limited if we are unable to obtain such consents.

A breach of any of these covenants could result in a default, which, if not cured or waived, could have a material adverse effect on our business, financial condition and results of operations. Furthermore, a default under the Amended Credit Agreement could permit lenders to accelerate the maturity of our indebtedness under the Amended Credit Agreement and to terminate any commitments to lend. If we were unable to repay or refinance such indebtedness, the lenders under the Amended Credit Agreement could proceed against the collateral granted to them to secure that indebtedness. Our subsidiaries have pledged a significant portion of our assets as collateral to secure our indebtedness under the Amended Credit Agreement. If the lenders under the Amended Credit Agreement accelerate the repayment of such indebtedness, we may not have sufficient liquidity to repay such amounts or our other indebtedness, including the Senior Notes. In such event, we could be forced into bankruptcy or liquidation.

Celanese and Celanese US are holding companies and depend on subsidiaries to satisfy their obligations under the Senior Notes and the guarantee of Celanese US's obligations under the Senior Notes and the Amended Credit Agreement by Celanese.

As holding companies, Celanese and Celanese US conduct substantially all of their operations through their subsidiaries, which own substantially all of our consolidated assets. Consequently, the principal source of cash to pay Celanese and Celanese US's obligations, including obligations under the Senior Notes and the guarantee of Celanese US's obligations under the Amended Credit Agreement and the Indentures by Celanese, is the cash that our subsidiaries generate from their operations. We cannot assure that our subsidiaries will be able to, or be permitted to, make distributions to enable Celanese US and/or Celanese to make payments in respect of their obligations. Each of our subsidiaries is a distinct legal entity and, under certain circumstances, applicable country or state laws, regulatory limitations and terms of our debt instruments may limit our subsidiaries' ability to distribute cash to Celanese US and Celanese. While the Amended Credit Agreement and the Indentures limit the ability of our subsidiaries to put restrictions on paying dividends or making other intercompany payments to us, these limitations are subject to certain qualifications and exceptions, which may have the effect of significantly restricting the applicability of those limits. In the event Celanese US and/or Celanese do not receive distributions from our subsidiaries, Celanese US and/or Celanese may be unable to make required payments on the indebtedness under the Amended Credit Agreement, the Indentures, the guarantee of Celanese US's obligations under the Amended Credit Agreement and the Indentures by Celanese, or our other indebtedness.

Item 1B. Unresolved Staff Comments

None.

[Table of Contents](#)

Item 2. Properties

Description of Property

We and our affiliates own or lease numerous production and manufacturing facilities throughout the world. We also own or lease other properties, including office buildings, warehouses, pipelines, research and development facilities and sales offices. We continuously review and evaluate our facilities as a part of our strategy to optimize our business portfolio. The following table sets forth a list of our principal offices, production and other facilities throughout the world as of December 31, 2014.

Site	Leased/Owned	Products/Functions
Corporate Offices		
Budapest, Hungary	Leased	Administrative offices
Irving, Texas, US	Leased	Corporate headquarters
Nanjing, China	Leased	Administrative offices
Shanghai, China	Leased	Administrative offices
Sulzbach, Germany	Leased	Administrative offices
Advanced Engineered Materials		
Auburn Hills, Michigan, US	Leased	Automotive Development Center
Bishop, Texas, US	Owned	Polyoxymethylene ("POM"), Ultra-high molecular weight polyethylene ("UHMW-PE"), Compounding
Florence, Kentucky, US	Owned	Compounding
Frankfurt am Main, Germany ⁽¹⁾	Owned by InfraServ GmbH & Co. Hoechst KG ⁽⁶⁾	POM, Compounding
Fuji City, Japan	Owned by Polyplastics Co., Ltd. ⁽⁶⁾	POM, Polybutylene terephthalate, Liquid crystal polymers ("LCP"), Compounding
Jubail, Saudi Arabia	Owned by National Methanol Company ⁽⁶⁾	Methyl tertiary-butyl ether, Methanol
Kaiserslautern, Germany ⁽¹⁾	Leased	Long-fiber reinforced thermoplastics ("LFRT")
Kuantan, Malaysia	Owned by Polyplastics Co., Ltd. ⁽⁶⁾	POM, Compounding
Nanjing, China ⁽²⁾	Owned	LFRT, UHMW-PE, Compounding
North Kingstown, Rhode Island, US	Leased	Compounding
Oberhausen, Germany ⁽¹⁾	Leased	UHMW-PE
Shelby, North Carolina, US	Owned	LCP, Compounding
Suzano, Brazil ⁽¹⁾	Leased	Compounding
Ulsan, South Korea	Owned by Korea Engineering Plastics Co., Ltd. ⁽⁶⁾	POM
Wilmington, North Carolina, US	Owned by Fortron Industries LLC ⁽⁶⁾	Polyphenylene sulfide
Winona, Minnesota, US	Owned	LFRT
Consumer Specialties		
Frankfurt am Main, Germany ⁽³⁾	Owned by InfraServ GmbH & Co. Hoechst KG ⁽⁶⁾	Sorbates, Sunett [®] sweetener, Qorus [™] sweetener system
Kunming, China	Leased by Kunming Cellulose Fibers Co. Ltd. ⁽⁷⁾	Acetate tow
Lanaken, Belgium	Owned	Acetate tow
Nantong, China	Owned by Nantong Cellulose Fibers Co. Ltd. ⁽⁸⁾	Acetate tow, Acetate flake
Narrows, Virginia, US	Owned	Acetate tow, Acetate flake
Ocotlán, Mexico	Owned	Acetate tow, Acetate flake
Spondon, Derby, United Kingdom ⁽⁴⁾	Owned	Acetate film

[Table of Contents](#)

Site	Leased/Owned	Products/Functions
Industrial Specialties		
Boucherville, Quebec, Canada	Owned	Conventional emulsions
Edmonton, Alberta, Canada	Owned	Low-density polyethylene resins, Ethylene vinyl acetate
Enoree, South Carolina, US	Owned	Conventional emulsions, Vinyl acetate ethylene ("VAE") emulsions
Frankfurt am Main, Germany ⁽³⁾	Owned by InfraServ GmbH & Co. Hoechst KG ⁽⁶⁾	Conventional emulsions, VAE emulsions
Geleen, Netherlands	Owned	VAE emulsions
Meredosia, Illinois, US	Owned	Conventional emulsions, VAE emulsions
Nanjing, China ⁽²⁾	Owned	Conventional emulsions, VAE emulsions
Perstorp, Sweden	Owned	Conventional emulsions, VAE emulsions
Tarragona, Spain ⁽¹⁾	Leased	Conventional emulsions
Tarragona, Spain	Owned	VAE emulsions
Acetyl Intermediates		
Bay City, Texas, US ⁽¹⁾	Leased	Vinyl acetate monomer ("VAM")
Bishop, Texas, US	Owned	Formaldehyde
Cangrejera, Mexico	Owned	Acetic anhydride, Ethyl acetate
Clear Lake, Texas, US	Owned	Acetic acid, VAM
Frankfurt am Main, Germany ⁽³⁾	Owned by InfraServ GmbH & Co. Hoechst KG ⁽⁶⁾	Acetaldehyde, VAM, Butyl acetate
Jurong Island, Singapore ⁽¹⁾	Leased	Acetic acid, Butyl acetate, Ethyl acetate, VAM
Nanjing, China ⁽²⁾	Owned	Acetic acid, Acetic anhydride, VAM, Ethanol
Pardies, France	Owned	Site is no longer operating
Roussillon, France ⁽¹⁾	Leased	Site is no longer operating
Tarragona, Spain ⁽⁵⁾	Owned by Complejo Industrial Taqsa AIE ⁽¹⁰⁾	Site is no longer operating

- (1) Celanese owns the assets on this site and leases the land through the terms of a long-term land lease.
- (2) Multiple Celanese business segments conduct operations at the Nanjing facility. Celanese owns the assets on this site. Celanese also owns the land through "land use right grants" for 46 to 50 years with the right to transfer, mortgage or lease such land during the term of the respective land use right grant.
- (3) Multiple Celanese business segments conduct operations at the Frankfurt Hoechst Industrial Park located in Frankfurt am Main, Germany.
- (4) Celanese no longer manufactures acetate tow and acetate flake at the Spondon, Derby, United Kingdom site as of December 31, 2012.
- (5) Celanese owns the assets on this site and shares ownership in the land. Celanese's ownership percentage in the land is 15%.
- (6) A Celanese equity method investment.
- (7) A Celanese cost method investment. Kunming Cellulose Fibers Co. Ltd. owns the assets on this site and leases the land from China National Tobacco Corporation.

- ⁽⁸⁾ A Celanese cost method investment. Nantong Cellulose Fibers Co. Ltd. owns the assets on this site and the land through "land use right grants" with the right to transfer, mortgage or lease such land during the term of the respective land use right grant.
- ⁽⁹⁾ A Celanese cost method investment. Zhuhai Cellulose Fibers Co. Ltd. owns the assets on this site and leases the land from China National Tobacco Corporation.
- ⁽¹⁰⁾ A Celanese cost method investment.

[Table of Contents](#)

Item 3. Legal Proceedings

See [Note 16 - Environmental](#) and [Note 24 - Commitments and Contingencies](#) in the accompanying consolidated financial statements for a discussion of environmental matters and commitments and contingencies related to legal and regulatory proceedings.

Item 4. Mine Safety Disclosures

None.

Executive Officers of the Registrant

The names, ages and biographies of our executive officers as of February 6, 2015 are as follows:

<u>Name</u>	<u>Age</u>	<u>Position</u>
Mark C. Rohr	63	Chairman of the Board of Directors and Chief Executive Officer, President
Christopher W. Jensen	48	Senior Vice President, Finance and Interim Chief Financial Officer
Lori A. Johnston	50	Senior Vice President, Human Resources
Gjon N. Nivica, Jr.	50	Senior Vice President and General Counsel

Mark C. Rohr has been our Chairman of the Board of Directors and Chief Executive Officer and President since April 2012 and a member of our Board of Directors since April 2007. He served as a director and as the Executive Chairman of Albemarle Corporation, a global developer, manufacturer and marketer of highly-engineered specialty chemicals, from September 2011 until February 2012 and previously had served as the Chairman from 2008 to 2011, President from 2000 to 2010, Chief Operating Officer from 2000 to 2002 and Chief Executive Officer from 2002 to 2011 of Albemarle. Prior to that, Mr. Rohr served as Executive Vice President - Operations of Albemarle. Before joining Albemarle, Mr. Rohr held leadership roles with companies including Occidental Chemical Corporation and The Dow Chemical Company. Mr. Rohr has served on the board of directors of Ashland Inc. since 2008, and has served as a member of its audit committee and the environmental, health & safety committee. He also serves as Vice Chairman of the board of directors and Chairman of the Finance, Audit and Membership Committee of the American Chemical Council. Mr. Rohr received a bachelor's degree in chemistry and chemical engineering from Mississippi State University.

Christopher W. Jensen has served as our Senior Vice President, Finance since April 2011 and as our Interim Chief Financial Officer since May 2014. From August 2010 to April 2011, Mr. Jensen served as our Senior Vice President, Finance and Treasurer. Prior to August 2010, Mr. Jensen served as our Vice President and Corporate Controller from March 2009 to July 2010. From May 2008 to February 2009, he served as Vice President of Finance and Treasurer. In his current capacity, Mr. Jensen has global responsibility for corporate finance, treasury operations, insurance risk management, pensions, global business services, corporate accounting, tax and general ledger accounting. Mr. Jensen was previously the Assistant Corporate Controller from March 2007 through April 2008, where he was responsible for SEC reporting, internal reporting, and technical accounting. In his initial role at Celanese from October 2005 through March 2007, he built and directed the Company's technical accounting function. From August 2004 to October 2005, Mr. Jensen worked in the inspections and registration division of the Public Company Accounting Oversight Board. He spent 13 years of his career at PricewaterhouseCoopers LLP, an assurance, tax and advisory services firm, in various positions in both the auditing and mergers & acquisitions groups. Mr. Jensen earned bachelor's and master's degrees in accounting from Brigham Young University and is a Certified Public Accountant.

Lori A. Johnston has served as our Senior Vice President, Human Resources since October 2012. Prior to joining Celanese, she was the Vice President, International Human Resources for Amgen, Inc., a biotechnology medicines company, and had served in various human resources positions of increasing importance with Amgen since 2001, except from January 2006 to April 2007 when she served as the Human Resources and Communications Director of the Michael and Susan Dell Foundation. Before joining Amgen, Ms. Johnston held a variety of leadership positions beginning in 1990 at Dell, Inc., a global information technology company, before serving as the Human Resources Director, Home and Small Business, from 1997 to 2001. Ms. Johnston earned a master's of human sciences degree from Our Lady of the Lake University and a

bachelor's degree in psychology from the University of Central Oklahoma.

Gjon N. Nivica, Jr. has served as our Senior Vice President and General Counsel since April 2009 and served as our Corporate Secretary from April 2009 to February 2014. Mr. Nivica previously served as Deputy General Counsel to Honeywell International Inc., a global technology and manufacturing leader, and Vice President and General Counsel of the Honeywell

[Table of Contents](#)

Transportation Systems business group from 2005 to 2009. Prior to that time, he was the Vice President and General Counsel of Honeywell Aerospace Electronic Systems from 2002 to 2005 and of Honeywell Engines Systems and Services from 1996 to 2002. Mr. Nivica began his career in 1989 as a corporate associate in the Los Angeles office of Gibson, Dunn & Crutcher, a global law firm, where he specialized in acquisitions, divestitures and general corporate and securities work, before becoming Mergers & Acquisitions Senior Counsel to AlliedSignal Aerospace Inc. from 1994 to 1996. Mr. Nivica received his J.D., magna cum laude, from Boston University Law School.

PART II

Item 5. Market for the Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information

Our Series A common stock, par value \$0.0001 per share ("Common Stock") has traded on the New York Stock Exchange ("NYSE") under the symbol "CE" since January 21, 2005. The closing sale price of our Common Stock, as reported by the NYSE, on February 2, 2015 was \$53.41. The following table sets forth the high and low intraday sales prices per share of our Common Stock, as reported by the NYSE, and the dividends declared per share on our Common Stock for the periods indicated.

	Price Range		Dividends Declared
	High	Low	
	(In \$ per share)		
2014			
Quarter ended March 31, 2014	56.21	48.78	0.180
Quarter ended June 30, 2014	65.17	54.48	0.250
Quarter ended September 30, 2014	66.35	57.57	0.250
Quarter ended December 31, 2014	63.28	49.42	0.250
2013			
Quarter ended March 31, 2013	50.68	42.03	0.075
Quarter ended June 30, 2013	51.58	41.55	0.090
Quarter ended September 30, 2013	53.00	44.49	0.180
Quarter ended December 31, 2013	58.56	51.21	0.180

Holdings

No shares of Celanese's Series B common stock and no shares of Celanese's 4.25% convertible perpetual preferred stock are issued and outstanding. As of February 2, 2015, there were 33 holders of record of our Common Stock. By including persons holding shares in broker accounts under street names, however, we estimate we have approximately 50,035 beneficial holders.

Dividend Policy

Our Board of Directors has a policy of declaring, subject to legally available funds, a quarterly cash dividend on each share of our Common Stock as determined in its sole discretion. Our Board of Directors may, at any time, modify or revoke our dividend policy on our Common Stock.

On February 6, 2015, we declared a cash dividend of \$0.25 per share on our Common Stock amounting to \$38 million. The cash dividend was for the period from November 1, 2014 to January 31, 2015 and will be paid on February 27, 2015 to holders of record as of February 17, 2015.

The amount available to us to pay cash dividends is restricted by our existing senior credit facility and our indentures governing our senior unsecured notes. See [Note 14 - Debt](#) in the accompanying consolidated financial statements for further

information. Any decision to declare and pay dividends in the future will be made at the discretion of our Board of Directors and will depend on, among other things, our results of operations, cash requirements, financial condition, contractual restrictions and other factors that our Board of Directors may deem relevant.

[Table of Contents](#)

Celanese Purchases of its Equity Securities

Information regarding repurchases of our Common Stock during the three months ended December 31, 2014 is as follows:

Period	Total Number of Shares Purchased⁽¹⁾	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Program	Approximate Dollar Value of Shares Remaining that may be Purchased Under the Program⁽²⁾
October 1 - 31, 2014	192,580	\$ 58.02	164,800	\$ 490,000,000
November 1 - 30, 2014	468,128	\$ 59.25	468,128	\$ 463,000,000
December 1 - 31, 2014	199,796	\$ 60.78	190,259	\$ 451,000,000
Total	<u>860,504</u>		<u>823,187</u>	

(1) Includes 27,780 and 9,537 for October and December 2014, respectively, related to shares withheld from employees to cover their statutory minimum withholding requirements for personal income taxes related to the vesting of restricted stock units.

(2) Our Board of Directors has authorized the aggregate repurchase of \$1.4 billion of our Common Stock since February 2008.

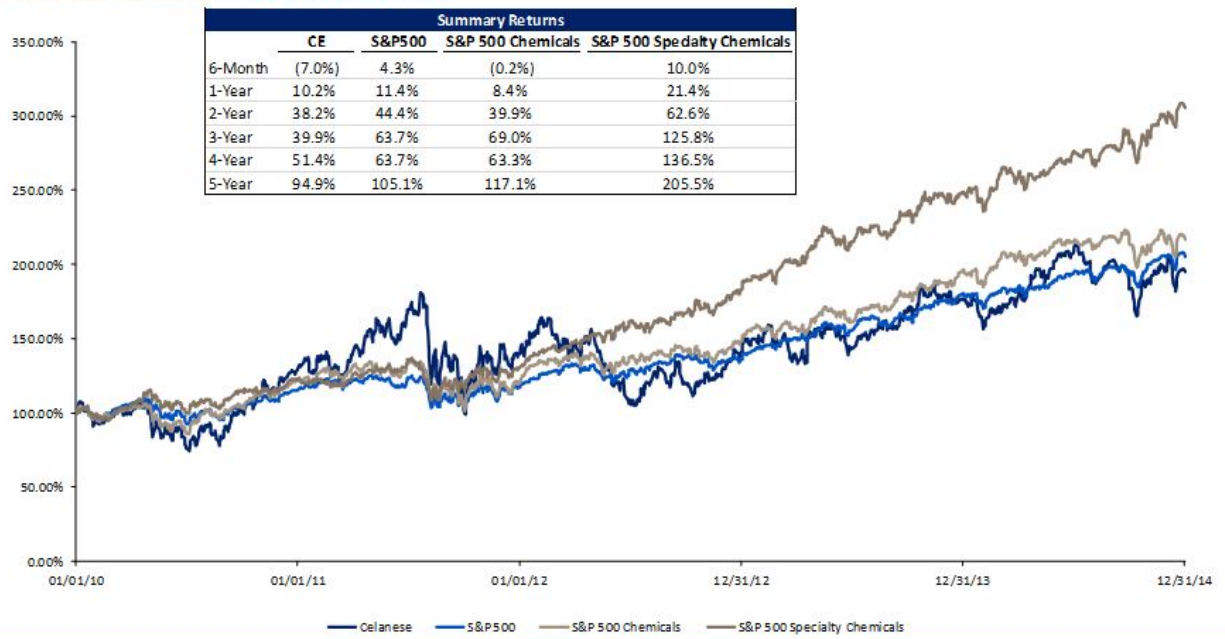
See [Note 17 - Stockholders' Equity](#) in the accompanying consolidated financial statements for further information.

Performance Graph

The following Performance Graph and related information shall not be deemed "soliciting material" or to be "filed" with the Securities and Exchange Commission, nor shall such information be incorporated by reference into any future filing under the Securities Act of 1933 or Securities Exchange Act of 1934, each as amended, except to the extent that we specifically incorporate it by reference into such filing.

Comparison of Cumulative Total Return

Cumulative Total Return to Stockholders



This comparison is based on a return assuming \$100 invested January 1, 2010 in Celanese Corporation Common Stock and the S&P 500 Composite Index, the S&P 500 Chemicals Index and the S&P 500 Specialty Chemicals Index, assuming the reinvestment of all dividends

[Table of Contents](#)

Recent Sales of Unregistered Securities

Our deferred compensation plan offers certain of our senior employees and directors the opportunity to defer a portion of their compensation in exchange for a future payment amount equal to their deferrals plus or minus certain amounts based upon the market-performance of specified measurement funds selected by the participant. These deferred compensation obligations may be considered securities of Celanese. Participants were required to make deferral elections under the plan prior to January 1 of the year such deferrals will be withheld from their compensation. We relied on the exemption from registration provided by Section 4(2) of the Securities Act in making this offer to a select group of employees, fewer than 35 of which were non-accredited investors under the rules promulgated by the Securities and Exchange Commission.

Item 6. Selected Financial Data

The balance sheet data as of December 31, 2014 and 2013 and the statements of operations data for the years ended December 31, 2014, 2013 and 2012, all of which are set forth below, are derived from the consolidated financial statements included elsewhere in this Annual Report and should be read in conjunction with those financial statements and the notes thereto. The balance sheet data as of December 31, 2012, 2011 and 2010 and the statements of operations data for the years ended December 31, 2011 and 2010 set forth below were derived from previously issued financial statements, adjusted for applicable discontinued operations and a change in accounting policy for defined benefit pension plans and other postretirement benefit plans.

	Year Ended December 31,				
	2014	2013	2012	2011	2010
	(In \$ millions, except per share data)				
Statement of Operations Data					
Net sales	6,802	6,510	6,418	6,763	5,918
Other (charges) gains, net	15	(158)	(14)	(48)	(46)
Operating profit (loss)	758	1,508	175	402	398
Earnings (loss) from continuing operations before tax	941	1,609	321	467	433
Earnings (loss) from continuing operations	627	1,101	376	426	361
Earnings (loss) from discontinued operations	(7)	—	(4)	1	(49)
Net earnings (loss) attributable to Celanese Corporation	624	1,101	372	427	312
Earnings (loss) per common share					
Continuing operations — basic	4.07	6.93	2.37	2.72	2.31
Continuing operations — diluted	4.04	6.91	2.35	2.68	2.28
Balance Sheet Data (as of the end of period)					
Total assets	8,818	9,018	9,000	8,518	8,281
Total debt	2,745	3,064	3,098	3,017	3,218
Total Celanese Corporation stockholders' equity	2,818	2,699	1,730	1,341	926
Other Financial Data					
Depreciation and amortization	290	305	308	298	287
Capital expenditures ⁽¹⁾	681	408	339	364	222
Dividends paid per common share ⁽²⁾	0.93	0.53	0.27	0.22	0.18

⁽¹⁾ Amounts include accrued capital expenditures. Amounts do not include capital expenditures related to capital lease obligations or capital expenditures related to the relocation and expansion of our POM plant in Kelsterbach. See [Note 25 - Supplemental Cash Flow Information](#) and [Note 28 - Plant Relocation](#) in the accompanying consolidated financial statements for further information.

⁽²⁾ Annual dividends for the year ended December 31, 2014 consist of one quarterly dividend payment of \$0.18 per share and three quarterly dividend payments of \$0.25 per share. Annual dividends for the year ended December 31, 2013 consist of one quarterly dividend payment of \$0.075 per share, one quarterly dividend payment of \$0.09 per share and

two quarterly dividend payments of \$0.18 per share. See [Note 17 - Stockholders' Equity](#) in the accompanying consolidated financial statements for further information.

[Table of Contents](#)

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

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

The following discussion should be read in conjunction with the accompanying consolidated financial statements and notes to the consolidated financial statements, which are prepared in accordance with accounting principles generally accepted in the United States of America ("US GAAP").

Investors are cautioned that the forward-looking statements contained in this section and other parts of this Annual 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.

Forward-Looking Statements

Management's Discussion and Analysis of Financial Condition and Results of Operations ("MD&A") and other parts of this Annual 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 with respect to future events, are not guarantees of future performance and involve risks and uncertainties that are difficult to predict. Further, certain forward-looking statements are based upon assumptions as to future events that may not prove to be accurate. See "*Special Note Regarding Forward-Looking Statements*" at the beginning of this Annual Report for further discussion.

Item 1A. Risk Factors of this Annual Report also contains a description of certain risk factors that you should consider which could significantly affect our financial results. In addition, the following factors could cause our actual results to differ materially from those results, performance or achievements that may be expressed or implied by such forward-looking statements. These factors include, among other things:

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

- changes in the degree of intellectual property and other legal protection afforded to our products or technologies, or the theft of such intellectual property;
- compliance and other costs and potential disruption or interruption of production or operations due to accidents, interruptions in sources of raw materials, cyber security incidents, terrorism or political unrest, or other unforeseen events

[Table of Contents](#)

or delays in construction or operation of facilities, including as a result of geopolitical conditions, the occurrence of acts of war or terrorist incidents or as a result of weather or natural disasters;

- potential liability for remedial actions and increased costs under existing or future environmental regulations, including those relating to climate change;
- potential liability resulting from pending or future litigation, or from changes in the laws, regulations or policies of governments or other governmental activities in the countries in which we operate;
- changes in currency exchange rates and interest rates;
- our level of indebtedness, which could diminish our ability to raise additional capital to fund operations or limit our ability to react to changes in the economy or the chemicals industry; and
- various other factors, both referenced and not referenced in this Annual Report.

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

Overview

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

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

2014 Highlights

- We received The American Composites Manufacturers Association's Most Creative Composites Application Award for "Excellence in the Design Category" for high-performance carbon fiber strands used in overhead conductors.
- We introduced a family of low-friction and low-wear thermoplastic polymers for medical devices that enables the device to operate smoothly providing a high degree of patient comfort and consistency.
- We opened a new sales center in Istanbul, Turkey to support customer growth of our intermediate chemistry, engineered materials and emulsion polymers businesses in Turkey and the greater European region.
- We announced the formation of a Commercial and Technology Center in Mexico to support the growth of global customers, particularly in Latin America, and to advance technical capabilities.
- We signed a letter of intent with Setsunakasei Co. Ltd. ("Setsunan") to compound our engineered polymers in Setsunan's

Japanese facilities.

- We increased our share repurchase authorization to \$500 million. As of December 31, 2014, we had \$451 million remaining under the repurchase authorization.

[Table of Contents](#)

- Celanese US issued €300 million of 3.250% senior unsecured notes due 2019. Celanese US also redeemed on October 15, 2014 its \$600 million 6.625% senior unsecured notes due 2018 and amended its existing senior secured credit facilities.
- We acquired substantially all of the assets of Cool Polymers, Inc., based in North Kingstown, Rhode Island. The acquisition will accelerate our entry into thermally conductive polymers by building on Cool Polymers, Inc.'s polymer formulation expertise, application development capabilities and strong product portfolio.
- We signed a Memorandum of Understanding with Indian Oil Corporation to explore the potential of a joint investment in a fuel ethanol plant to be built in India, based on our TCX[®] Technology.
- We commercially launched our CelFX[™] technology for the Japanese market. CelFX[™] combines our proprietary binder and carbon to create a unique construction which allows concentrated filtration while maintaining full air flow.
- We launched a uniquely low-friction and low-wear grade of acetal copolymer. This compound enables the production of injection molded parts with a very low coefficient of friction and wear rate, reducing energy loss, heat generation and noise in mechanical systems for industrial, transportation and consumer products and applications.
- We received a corporate family rating upgrade from Moody's Investors Service to Ba1 from Ba2.
- We filed for air permits with the Texas Commission on Environmental Quality for our potential methanol unit in Bishop, Texas. We are seeking local economic incentives for this unit with an expected annual capacity of 1.3 million tons.
- We received the American Chemistry Council's Responsible Care Company of the Year award along with three other companies in recognition of outstanding achievements in environmental, health, safety and security performance.
- We opened our Commercial Technology Center in Seoul, Republic of Korea. The research and development center will support customer growth in South Korea and advance the technical capabilities of our product portfolio.
- We expanded our compounding capabilities at our integrated chemical complex in Nanjing, China, to include polyphenylene sulfide ("PPS"). PPS is used to replace metals and thermosets in applications spanning the automotive, electronics and aerospace industries.
- We announced the expansion of our Florence, Kentucky facility to add compounding process lines to support demand for our engineered materials business. The unit is expected to be operational in the second quarter of 2015.
- We announced the expansion of our Suzano, Brazil facility to include long-fiber reinforced thermoplastics production by mid-2015 to serve customers in Brazil and Latin America.
- We announced our intent to construct a vinyl acetate ethylene ("VAE") emulsions unit in Southeast Asia. The unit will allow us to better serve customers with high-end applications in the architectural coatings, building and construction, carpet and paper industries. The unit is expected to begin production by the end of 2016.
- We increased our quarterly Series A common stock, par value \$0.0001 per share ("Common Stock") cash dividend by 39%, from \$0.72 to \$1.00 per share of Common Stock on an annual basis. This increased our dividend payout ratio to approximately 20%.
- We formed a joint venture, Fairway Methanol LLC ("Fairway"), with Mitsui & Co., Ltd., of Tokyo, Japan ("Mitsui"), in which we own 50% of Fairway, for the production of methanol at our integrated chemical plant in Clear Lake, Texas. We received the final greenhouse gas permit from the US Environmental Protection Agency for the methanol unit and began construction. The planned methanol facility will have an annual capacity of 1.3 million tons and is expected to be operational in the second half of 2015.
- We received the Best Supplier Award from Whirlpool based on outstanding performance on quality, delivery and customer service.

[Table of Contents](#)

- Our engineered materials business introduced several differentiated polymer technologies that broaden our access to the utility industry, the oil and gas industry, original equipment manufacturers and companies that enhance supply chain efficiency. These include:
 - Composite technologies for the utility industry that deliver greater reliability, capacity and performance for utility transmission lines, as well as spoolable pipe systems that meet the harsh demands of deepwater operations in the oil and gas industry.
 - Anti-counterfeiting technologies that help original equipment manufacturers and suppliers ensure products contain components and parts that meet their specifications.
 - Polymers that feature excellent chemical and thermal resistance, high hardness, rigidity and dimensional stability to withstand extreme industrial environments required by the RFID (radio-frequency identification) industry.

[Table of Contents](#)

Results of Operations

Financial Highlights

	Year Ended December 31,		
	2014	2013	2012
	(In \$ millions, except percentages)		
Statement of Operations Data			
Net sales	6,802	6,510	6,418
Gross profit	1,616	1,365	1,181
Selling, general and administrative ("SG&A") expenses	(758)	(311)	(830)
Other (charges) gains, net	15	(158)	(14)
Operating profit (loss)	758	1,508	175
Equity in net earnings of affiliates	246	180	242
Interest expense	(147)	(172)	(185)
Refinancing expense	(29)	(1)	(3)
Dividend income - cost investments	116	93	85
Earnings (loss) from continuing operations before tax	941	1,609	321
Earnings (loss) from continuing operations	627	1,101	376
Earnings (loss) from discontinued operations	(7)	—	(4)
Net earnings (loss)	620	1,101	372
Net earnings (loss) attributable to Celanese Corporation	624	1,101	372
Other Data			
Depreciation and amortization	290	305	308
SG&A expenses as a percentage of Net sales	11.1%	4.8%	12.9%
Operating margin ⁽¹⁾	11.1%	23.2%	2.7%
Other (charges) gains, net			
Employee termination benefits	(7)	(23)	(6)
Kelsterbach plant relocation	—	(13)	(7)
Plumbing actions	—	—	5
Asset impairments	—	(81)	(8)
Plant/office closures	2	(33)	—
Commercial disputes	11	(8)	2
Other	9	—	—
Total Other (charges) gains, net	15	(158)	(14)

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

	As of December 31,	
	2014	2013
	(In \$ millions)	
Balance Sheet Data		
Cash and cash equivalents	780	984
Short-term borrowings and current installments of long-term debt - third party and affiliates	137	177
Long-term debt	2,608	2,887

Total debt

2,745

3,064

[Table of Contents](#)

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:

Year Ended December 31, 2014 Compared to Year Ended December 31, 2013

	Volume	Price	Currency	Other	Total
	(In percentages)				
Advanced Engineered Materials	9	(1)	—	—	8
Consumer Specialties	(5)	1	—	—	(4)
Industrial Specialties	1	5	—	—	6
Acetyl Intermediates	(3)	11	—	—	8
Total Company	—	6	—	(1)	5

Year Ended December 31, 2013 Compared to Year Ended December 31, 2012

	Volume	Price	Currency	Other	Total
	(In percentages)				
Advanced Engineered Materials	5	1	1	—	7
Consumer Specialties	(4)	6	—	—	2
Industrial Specialties	(1)	(3)	2	—	(2)
Acetyl Intermediates	1	(2)	1	—	—
Total Company	—	—	1	—	1

Pension and Postretirement Benefit Plan Costs

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

Year Ended December 31, 2014 Compared to Year Ended December 31, 2013

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(In \$ millions)					
Service cost	(8)	(4)	(3)	(5)	(4)	(24)
Interest cost and expected return on plan assets	—	—	—	—	18	18
Amortization of prior service credit ⁽¹⁾	(24)	(15)	(7)	(14)	(12)	(72)
Recognized actuarial (gain) loss ⁽²⁾	—	—	—	—	454	454
Curtailment / settlement (gain) loss ⁽³⁾	(6)	(3)	(11)	(4)	(2)	(26)
Total	(38)	(22)	(21)	(23)	454	350

⁽¹⁾ Primarily relates to the elimination of eligibility for current and future employees and the elimination of benefits for certain participants under a US postretirement health care plan.

⁽²⁾ Relates to a decrease in the weighted average discount rate used to determine benefit obligations from 4.6% to 3.7% and a loss of \$52 million reflecting the incorporation of the RP-2014 mortality tables into the actuarial assumptions for the US qualified pension plans as of December 31, 2014.

- ⁽³⁾ Primarily relates to actions taken in 2014 to offer a limited-time, voluntary buyout to certain participants of the Company's US qualified defined benefit pension plan with a vested benefit.

[Table of Contents](#)

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(In \$ millions)					
Cost of sales	(22)	(18)	(8)	(11)	36	(23)
SG&A expenses	(12)	(3)	(11)	(6)	411	379
Research and development expenses	(4)	(1)	(2)	(6)	7	(6)
Total	<u>(38)</u>	<u>(22)</u>	<u>(21)</u>	<u>(23)</u>	<u>454</u>	<u>350</u>

Year Ended December 31, 2013 Compared to Year Ended December 31, 2012

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(In \$ millions)					
Service cost	2	1	2	1	1	7
Interest cost and expected return on plan assets	—	—	—	—	(37)	(37)
Amortization of prior service credit ⁽¹⁾	(5)	(3)	(1)	(3)	(2)	(14)
Recognized actuarial (gain) loss ⁽²⁾	—	—	—	—	(493)	(493)
Curtailment / settlement (gain) loss ⁽³⁾	(21)	(12)	4	(12)	(11)	(52)
Total	<u>(24)</u>	<u>(14)</u>	<u>5</u>	<u>(14)</u>	<u>(542)</u>	<u>(589)</u>

⁽¹⁾ Primarily relates to the elimination of eligibility for current and future employees and the elimination of benefits for certain participants under a US postretirement health care plan.

⁽²⁾ Primarily relates to an increase in the weighted average discount rate used to determine benefit obligations from 3.8% to 4.6%.

⁽³⁾ Primarily relates to actions taken in 2013 on certain pension plans in the US, the United Kingdom and Canada.

	Advanced Engineered Materials	Consumer Specialties	Industrial Specialties	Acetyl Intermediates	Other Activities	Total
	(In \$ millions)					
Cost of sales	(14)	(11)	(2)	(7)	(39)	(73)
SG&A expenses	(7)	(2)	7	(3)	(495)	(500)
Research and development expenses	(3)	(1)	—	(4)	(8)	(16)
Total	<u>(24)</u>	<u>(14)</u>	<u>5</u>	<u>(14)</u>	<u>(542)</u>	<u>(589)</u>

See [Note 15 - Benefit Obligations](#) in the accompanying consolidated financial statements for further information.

Consolidated Results – Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net sales increased \$292 million, or 4.5%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher vinyl acetate monomer ("VAM") and acetic acid pricing in our Acetyl Intermediates segment and higher volume globally in our Advanced Engineered Materials segment fueled by growth in automotive, medical and industrial applications.

Selling, general and administrative expenses increased \$447 million, or 143.7%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to an increase in pension and other postretirement plan net periodic

benefit cost of \$379 million, higher functional and project spending of \$43 million and an increase in incentive compensation costs of \$25 million.

Other (charges) gains, net changed \$173 million, or 109.5%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to \$138 million of lower charges in our Acetyl Intermediates segment. The lower charges were a result of the impact of permanent capacity reductions in Europe in December 2013. Accordingly, we recorded \$20 million of

[Table of Contents](#)

employee termination benefits, \$33 million of contract termination costs and \$34 million of long-lived asset impairment losses during the three months ended December 31, 2013. We also recorded long-lived asset impairment losses of \$46 million related to our Singapore acetic acid production unit during that period. See [Note 18 - Other \(Charges\) Gains, Net](#) in the accompanying consolidated financial statements for further information.

Operating profit decreased \$750 million, or 49.7%, for the year ended December 31, 2014 compared to the same period in 2013 reflective of an increase in Selling, general and administrative expenses and the recognition of a gain of \$742 million during the three months ended December 31, 2013, which represented the deferred proceeds in excess of divested assets as a result of the 2006 settlement agreement with the Frankfurt, Germany Airport ("Fraport") to move our German polyacetal ("POM") operations. The proceeds were included in our Advanced Engineered Materials segment. See [Note 28 - Plant Relocation](#) in the accompanying consolidated financial statements for further information. The decrease was partially offset by higher VAM and acetic acid pricing in our Acetyl Intermediates segment, as well as the impact of permanent capacity reductions in Europe in December 2013. Operating margin for the year ended December 31, 2014 decreased to 11.1 % from 23.2 % in 2013.

Equity in net earnings of affiliates increased \$66 million for the year ended December 31, 2014 compared to the same period in 2013 primarily due to a \$48 million gain resulting from restructuring the debt of a subsidiary of InfraServ GmbH & Co. Hoechst KG during the three months ended June 30, 2014 and an increase in equity investment earnings of \$13 million from our Polyplastics Co., Ltd. ("Polyplastics") strategic affiliate. Our equity investment in InfraServ GmbH & Co. Hoechst KG is owned primarily by an entity included in Other Activities.

Our effective income tax rate for the year ended December 31, 2014 was 33% compared to 32% for the year ended December 31, 2013.

We begin 2015 with a strong core business and specific productivity initiatives that will help mitigate some of the anticipated volatility in the macroeconomic environment. Our focus will be on the things we can control such as energy savings, efficiencies in plant operations and increased alignment of our applications and product development pipeline to fit our customers' needs and growth. These initiatives combined with our underlying business should contribute to earnings in 2015.

Consolidated Results – Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net sales increased \$92 million, or 1.4%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to higher volume in our Advanced Engineered Materials segment resulting from increased penetration in automotive applications in the Americas and Asia and targeted growth programs within Asia for our consumer and industrial applications.

Selling, general and administrative expenses decreased \$519 million, or 62.5%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to a decrease in pension and other postretirement plan net periodic benefit cost of \$500 million.

Other (charges) gains, net changed \$144 million, or 1,028.6%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to \$141 million of higher expenses in our Acetyl Intermediates segment primarily related to the closure of our acetic anhydride facility in Roussillon, France and our VAM facility in Tarragona, Spain, as well as long-lived impairment losses related to our Singapore acetic acid production unit. See [Note 18 - Other \(Charges\) Gains, Net](#) in the accompanying consolidated financial statements for further information.

Operating profit increased \$1,333 million, or 761.7%, for the year ended December 31, 2013 compared to the same period in 2012 reflective of increased Net sales, decreased Selling, general and administrative expenses and the December 2013 recognition of a gain of \$742 million, which represented the deferred proceeds in excess of divested assets as a result of the 2006 settlement agreement with Fraport to move our German POM operations.

Equity in net earnings of affiliates decreased \$62 million for the year ended December 31, 2013 compared to the same period in 2012 primarily due to \$19 million of lower earnings from our Ibn Sina affiliate and \$18 million of lower earnings in our Polyplastics affiliate both included in our Advanced Engineered Materials segment. During the year ended December 31, 2013, our InfraServ Hoechst affiliate recorded one-time employee termination benefits resulting in a reduction of net

earnings of affiliates of \$8 million of which \$1 million was attributable to our Consumer Specialties segment, \$2 million to our Acetyl Intermediates segment and \$5 million to Other Activities.

Our effective income tax rate for the year ended December 31, 2013 was 32% compared to (17)% for the year ended December 31, 2012. The effective tax rate for 2012 was favorably impacted by foreign tax credit carryforwards realized in the US and offset by deferred tax charges related to changes in assessment regarding permanent reinvestment of certain foreign earnings.

[Table of Contents](#)

Business Segments

Advanced Engineered Materials

	Year Ended December 31,		Change	Year Ended December 31,		Change
	2014	2013		2013	2012	
	(In \$ millions, except percentages)					
Net sales	1,459	1,352	107	1,352	1,261	91
Net Sales Variance						
<i>Volume</i>	9 %			5%		
<i>Price</i>	(1) %			1%		
<i>Currency</i>	— %			1%		
<i>Other</i>	— %			—%		
Other (charges) gains, net	(1)	(13)	12	(13)	(2)	(11)
Operating profit (loss)	221	904	(683)	904	95	809
Operating margin	15.1 %	66.9%		66.9%	7.5%	
Equity in net earnings (loss) of affiliates	161	148	13	148	190	(42)
Depreciation and amortization	106	110	(4)	110	113	(3)

Our Advanced Engineered Materials segment includes our engineered materials business and certain strategic affiliates. Our engineered materials business develops, produces and supplies a broad portfolio of high performance specialty polymers for automotive and medical applications, as well as industrial products and consumer electronics. Together with our strategic affiliates, our engineered materials business is a leading participant in the global specialty polymers industry. The primary products of Advanced Engineered Materials are polyoxymethylene, also commonly known as POM, Ultra-high molecular weight polyethylene ("UHMW-PE"), polybutylene terephthalate ("PBT"), long-fiber reinforced thermoplastics ("LFRT") and liquid crystal polymers ("LCP"). POM, LFRT and PBT are used in automotive and medical applications as well as consumer electronics, appliances and industrial products. UHMW-PE, sold under the GUR[®] trademark, is used in battery separators, conveyor belts, filtration equipment, coatings and medical applications. Primary end uses for LCP are electrical applications or products and consumer electronics. PPS, sold under the Fortron[®] brand, is a key product of Fortron Industries LLC, one of our strategic affiliates. PPS is used in a wide variety of automotive and other applications, especially those requiring heat and/or chemical resistance.

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Advanced Engineered Materials' net sales increased \$107 million, or 7.9%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher volume globally, partially offset by lower pricing for POM and GUR[®] due to shifts in product and geographic sales mix. In Europe, volume increased due to strong growth in nearly all product lines. Volume in the Americas increased primarily driven by growth in POM in automotive applications and GUR[®] in medical and industrial applications. In Asia, volume increased across all product lines resulting from targeted customer focus and the implementation of growth strategies.

Operating profit decreased \$683 million, or 75.6%, for the year ended December 31, 2014 compared to the same period in 2013 primarily driven by the recognition of a gain of \$742 million during the three months ended December 31, 2013, which represents the deferred proceeds in excess of divested assets as a result of the 2006 settlement agreement with Fraport to move our German POM operations. Lower pricing, a \$16 million negative impact from inventory build in the same period in 2013 in response to a planned turnaround during the three months ended September 30, 2014 and higher expenses of \$11 million related to plant maintenance also contributed to decreased operating profit. These decreases were partially offset by higher volume and lower net periodic benefit cost of \$38 million for the year ended December 31, 2014 compared to the same period in 2013. Operating profit also benefited from an increase of \$12 million from Other (charges) gains, net for the year ended December 31, 2014 compared to the same period in 2013. The positive impact of Other (charges) gains, net primarily reflects a decrease in costs associated with the relocation and expansion of our German POM operations.

Equity in net earnings (loss) of affiliates increased \$13 million for the year ended December 31, 2014 compared to the same period in 2013 primarily due to an increase in equity investment earnings of \$13 million from our Polyplastics strategic

[Table of Contents](#)

affiliate. Equity investment earnings for Polyplastics increased as a result of higher volume, lower turnaround expenses and lower restructuring charges related to one of their affiliates.

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Advanced Engineered Materials' net sales increased \$91 million, or 7.2%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to increased POM and LFRT volume resulting from increased penetration in automotive applications in the Americas and Asia. Volume in Asia also improved across all product lines due to targeted growth programs in consumer and industrial applications. Higher pricing and product mix, mainly for medical applications, also contributed to the increase in net sales for the year ended December 31, 2013.

Operating profit increased \$809 million, or 851.6%, for the year ended December 31, 2013 compared to the same period in 2012 primarily driven by the recognition of a gain of \$742 million, which represents the deferred proceeds in excess of divested assets as a result of the 2006 settlement agreement with Fraport to move our German POM operations. A decrease in net periodic benefit cost of \$24 million also contributed to the increase in operating profit. Increased volume, a shift in product mix to higher margin medical applications and slightly lower raw material costs also contributed to increased operating profit. These changes were partially offset by higher energy costs of \$21 million resulting from higher prices and usage and an \$11 million negative impact from Other (charges) gains, net for the year ended December 31, 2013 as compared to the same period in 2012. The negative impact of Other (charges) gains, net primarily reflects an increase of \$6 million in costs associated with the relocation and expansion of our German POM operations and a 2012 \$4 million legal reserve reduction associated with plumbing actions.

Equity in net earnings (loss) of affiliates decreased \$42 million for the year ended December 31, 2013 compared to the same period in 2012 primarily due to decreases in equity investment earnings from our Ibn Sina and Polyplastics strategic affiliates of \$19 million and \$18 million, respectively. The decrease in Ibn Sina equity investment earnings was largely the result of the timing of turnaround activity, lower methyl tertiary-butyl ether pricing and lower sales volume. Polyplastics' equity investment earnings decreased due to slightly lower pricing, higher turnaround and sales expenses and restructuring charges related to one of their affiliates.

Consumer Specialties

	Year Ended December 31,			Year Ended December 31,		
	2014	2013	Change	2013	2012	Change
	(In \$ millions, except percentages)					
Net sales	1,160	1,214	(54)	1,214	1,186	28
Net Sales Variance						
<i>Volume</i>	(5) %			(4)%		
<i>Price</i>	1 %			6 %		
<i>Currency</i>	— %			— %		
<i>Other</i>	— %			— %		
Other (charges) gains, net	16	—	16	—	(4)	4
Operating profit (loss)	388	346	42	346	251	95
Operating margin	33.4 %	28.5%		28.5 %	21.2%	
Equity in net earnings (loss) of affiliates	9	3	6	3	6	(3)
Dividend income - cost investments	115	92	23	92	83	9
Depreciation and amortization	43	41	2	41	45	(4)

Our Consumer Specialties segment includes our cellulose derivatives and food ingredients businesses, which serve consumer-driven applications. Our cellulose derivatives business is a leading global producer and supplier of acetate flake, acetate film and acetate tow, primarily used in filtration applications. Our food ingredients business is a leading international supplier of premium quality ingredients for the food and beverage and pharmaceuticals industries and is a leading producer of

food protection ingredients, such as potassium sorbate and sorbic acid. Our food ingredients business produces and sells the Qorus™ sweetener system and Sunett® high intensity sweeteners.

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net sales decreased \$54 million, or 4.4%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to lower acetate tow volume globally and lower acetate flake pricing under a legacy contract. These were slightly offset by a 6% increase in acetate tow pricing reflecting favorable shifts in customer mix, higher acetate flake volume and higher volume in our food ingredients business primarily related to sorbates.

Operating profit increased \$42 million, or 12.1%, for the year ended December 31, 2014 compared to the same period in 2013, despite lower net sales, primarily due to favorable acetate tow pricing as well as lower raw material and energy costs of \$43 million as a result of productivity initiatives in our cellulose derivatives business. Operating profit was also favorably impacted by a decrease in net periodic benefit cost of \$22 million. An increase in Other (charges) gains, net of \$16 million primarily due to an arbitration award against a former utility operator at our cellulose derivatives manufacturing facility in Narrows, Virginia also contributed to the increase in operating profit.

Dividend income from cost investments increased \$23 million for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher earnings from our cellulose derivatives ventures resulting from higher volume and acetate tow pricing as well as lower energy costs.

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net sales increased \$28 million, or 2.4%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to higher pricing in the cellulose derivatives business partially offset by lower volume in both the cellulose derivatives and food ingredients businesses. Acetate tow pricing increased 8% across all regions while volume declined due to the cessation of manufacturing of acetate flake and acetate tow at our Spondon, United Kingdom facility in November 2012.

Operating profit increased \$95 million, or 37.8%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to the increase in acetate tow pricing and a \$57 million favorable impact from the cessation of production of acetate flake and acetate tow at our Spondon, Derby, United Kingdom facility in November 2012, including lower energy and plant costs. A decrease in net periodic benefit cost of \$14 million contributed to the increase in operating profit.

Industrial Specialties

	Year Ended December 31,			Year Ended December 31,		
	2014	2013	Change	2013	2012	Change
	(In \$ millions, except percentages)					
Net sales	1,224	1,155	69	1,155	1,184	(29)
Net Sales Variance						
<i>Volume</i>		1%		(1)%		
<i>Price</i>		5%		(3)%		
<i>Currency</i>		—%		2%		
<i>Other</i>		—%		—%		
Other (charges) gains, net	(1)	(4)	3	(4)	—	(4)
Operating profit (loss)	76	64	12	64	86	(22)
Operating margin	6.2%	5.5%		5.5%	7.3%	
Depreciation and amortization	48	52	(4)	52	55	(3)

Our Industrial Specialties segment includes our emulsion polymers and EVA polymers businesses. 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 emulsion polymers products are sold under globally and regionally recognized brands including EcoVAE[®], Mowilith[®], Vinamul[®], Celvolit[®], Duroset[®], TufCOR[®] and Avicor[®]. Our EVA polymers business is a leading North American manufacturer of a full range of specialty ethylene vinyl acetate ("EVA") resins and compounds as well as select grades of low-density polyethylene. Sold under the Ateva[®] and VitalDose[®] brands, these products are used in many applications, including flexible packaging films, lamination film products, hot melt adhesives, medical tubing, automotive parts and carpeting.

[Table of Contents](#)

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net sales increased \$69 million, or 6.0%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher pricing and volume. In our emulsion polymers business, pricing increased primarily due to higher raw material costs for VAM in Europe, Asia and North America. Volume increases were driven by a targeted strategy in Asia, primarily in adhesive and construction products and paints and coatings products, and by higher demand in Europe.

Operating profit increased \$12 million, or 18.8%, for the year ended December 31, 2014 compared to the same period in 2013 primarily attributable to higher pricing and volume. Operating profit benefited from increased pricing and volume in our emulsion polymers business and a decrease in net periodic benefit cost of \$21 million. These increases were partially offset by higher raw material prices, primarily VAM, of \$65 million in our emulsion polymers business across all regions.

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net sales decreased \$29 million, or 2.4%, for the year ended December 31, 2013 compared to the same period in 2012 primarily reflecting lower pricing for both the emulsion polymers and EVA polymers businesses partially offset by favorable currency impacts resulting from a strong Euro and Chinese Renminbi to the US dollar. Lower pricing in our emulsion polymers business was driven by lower raw material costs across all regions, primarily VAM in Europe and Asia and ethylene in North America. Lower pricing across all product lines in our EVA polymers business was driven by lower raw material costs, primarily ethylene, lower demand in Asia and North America as well as strong supply into several end-use applications, including hot melt adhesives and photovoltaic cells.

Operating profit decreased \$22 million, or 25.6%, for the year ended December 31, 2013 compared to the same period in 2012 reflecting lower pricing in our EVA polymers businesses and an increase in net periodic benefit cost of \$5 million.

Acetyl Intermediates

	Year Ended December 31,			Year Ended December 31,		
	2014	2013	Change	2013	2012	Change
	(In \$ millions, except percentages)					
Net sales	3,493	3,241	252	3,241	3,231	10
Net Sales Variance						
<i>Volume</i>				1 %		
<i>Price</i>				(2) %		
<i>Currency</i>				1 %		
<i>Other</i>				— %		
Other (charges) gains, net	(3)	(141)	138	(141)	—	(141)
Operating profit (loss)	558	153	405	153	269	(116)
Operating margin	16.0 %	4.7%		4.7 %	8.3%	
Equity in net earnings (loss) of affiliates	20	5	15	5	11	(6)
Depreciation and amortization	81	86	(5)	86	80	6

Our Acetyl Intermediates segment includes our intermediate chemistry business, which produces and supplies acetyl products, including acetic acid, VAM, acetic anhydride and acetate esters. These products are generally used as starting materials for colorants, paints, adhesives, coatings and medicines. This business segment also produces organic solvents and intermediates for pharmaceutical, agricultural and chemical products.

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net sales increased \$252 million, or 7.8%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher VAM pricing resulting from permanent capacity reductions in Europe and planned and unplanned industry outages, slightly offset by lower volume. Net sales also benefited from higher acetic acid pricing resulting from

planned and unplanned industry outages, as well as higher acetic anhydride pricing.

Operating profit increased \$405 million, or 264.7%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to higher VAM, acetic acid and acetic anhydride pricing. Operating profit also benefited from the impact of

[Table of Contents](#)

permanent capacity reductions in Europe in December 2013. Accordingly, we recorded \$20 million of employee termination benefits, \$33 million of contract termination costs and \$34 million of long-lived asset impairment losses to fully write-off the related property, plant and equipment during the year ended December 31, 2013, which did not recur during the year ended December 31, 2014. Long-lived asset impairment losses of \$46 million were also recorded during the year ended December 31, 2013 to fully write-off the property, plant and equipment at our Singapore acetic acid production unit. Operating profit was also impacted by a decrease in net periodic benefit cost of \$23 million. The increase in operating profit was partially offset by lower volume and higher raw material costs of \$98 million, primarily ethylene and purchased materials for VAM and acetic acid, as well as a \$12 million loss as a result of damages in connection with a settlement of a claim by a raw materials supplier.

Equity in net earnings (loss) of affiliates increased \$15 million for the year ended December 31, 2014 compared to the same period in 2013 primarily due to a \$13 million gain resulting from restructuring the debt of a subsidiary of InfraServ GmbH & Co. Hoechst KG during the three months ended June 30, 2014.

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net sales increased \$10 million, or 0.3%, for the year ended December 31, 2013 compared to the same period in 2012 reflecting slightly higher volume due to muted demand, offset by pricing pressure on derivatives, particularly in Europe and Asia.

Operating profit decreased \$116 million, or 43.1%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to the negative impact of Other (charges) gains, net of \$141 million as a result of the closure of our acetic anhydride facility in Roussillon, France and our VAM facility in Tarragona, Spain in December 2013. Long-lived asset impairment losses of \$46 million were also recorded during the three months ended December 31, 2013 to fully write-off the property, plant and equipment at our Singapore acetic acid production unit. Partially offsetting the negative impact of Other (charges) gains, net were increases to operating profit for the year ended December 31, 2013 compared to the same period in 2012 resulting from lower raw material costs, mainly ethylene, and a decrease to net periodic benefit cost of \$14 million.

Other Activities

	Year Ended December 31,		Change	Year Ended December 31,		Change
	2014	2013		2013	2012	
	(In \$ millions)					
Other (charges) gains, net	4	—	4	—	(8)	8
Operating profit (loss)	(485)	41	(526)	41	(526)	567
Equity in net earnings (loss) of affiliates	56	24	32	24	35	(11)
Depreciation and amortization	12	16	(4)	16	15	1

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

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Operating profit decreased \$526 million, or 1,282.9%, for the year ended December 31, 2014 compared to the same period in 2013 primarily due to an increase in net periodic benefit cost of \$454 million primarily recorded to Selling, general and administrative expenses. Selling, general and administrative expenses was also unfavorably impacted by higher functional and project spending of \$43 million and an increase in incentive compensation costs of \$25 million due to exceeding internal profitability targets.

Equity in net earnings (loss) of affiliates increased \$32 million for the year ended December 31, 2014 compared to the same period in 2013 primarily due to a \$29 million gain resulting from restructuring the debt of a subsidiary of InfraServ GmbH & Co. Hoechst KG during the three months ended June 30, 2014.

[Table of Contents](#)

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Operating profit increased \$567 million, or 107.8%, for the year ended December 31, 2013 compared to the same period in 2012 primarily due to a decrease in net periodic benefit cost of \$542 million primarily recorded to Selling, general and administrative expenses and a decrease in Other (charges) gains, net of \$8 million. Other (charges) gains, net was lower for the year ended December 31, 2013 primarily due to the absence of \$9 million in insurance losses paid compared to the same period in 2012. These charges were offset in our Consumer Specialties segment in 2012.

Liquidity and Capital Resources

Our primary source of liquidity is cash generated from operations, available cash and cash equivalents and dividends from our portfolio of strategic investments. In addition, as of December 31, 2014 we have \$900 million available for borrowing under our revolving credit facility and \$21 million available under our accounts receivable securitization facility to assist, if required, in meeting our working capital needs and other contractual obligations.

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, in 2015. 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.

In February 2014, we formed a joint venture, Fairway, with Mitsui, in which we own 50% of Fairway, for the production of methanol at our integrated chemical plant in Clear Lake, Texas. The planned methanol unit will utilize natural gas in the US Gulf Coast region as a feedstock and will benefit from the existing infrastructure at our Clear Lake facility. As a result, the total shared capital and expense investment in the facility is estimated to be in the range of \$875 million to \$900 million, including \$100 million of installed infrastructure. Our portion of the investment is estimated to be in the range of \$350 million to \$375 million, excluding the \$100 million of previously invested assets at our Clear Lake facility. The planned methanol unit will have an annual capacity of 1.3 million tons and is expected to be operational in the second half of 2015.

Total cash outflows for capital expenditures, including the Fairway project, are expected to be in the range of \$375 million to \$400 million in 2015 primarily due to our portion of the investment in the construction of the Clear Lake methanol unit and additional investments in growth opportunities in our Advanced Engineered Materials and Industrial Specialties segments.

On a stand-alone basis, Celanese and its immediate 100% owned subsidiary, Celanese US, have no material assets other than the stock of their subsidiaries and 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 US in order to meet their obligations, including their obligations under senior credit facilities and senior notes and to pay dividends on Common Stock.

Cash Flows

Cash and cash equivalents as of December 31, 2014 were \$780 million, a decrease of \$204 million from December 31, 2013. As of December 31, 2014, \$669 million of the \$780 million of cash and cash equivalents was held by our foreign subsidiaries. If these funds are needed for our operations in the US, we will access such funds in a tax efficient manner to satisfy cash flow needs. Currently, there are no contemplated cash distributions that will result in incremental US taxes payable in excess of applicable foreign tax credits related to such undistributed earnings. As a result, we have not provided any deferred income taxes on the portion of undistributed foreign earnings determined not to be permanently reinvested in foreign operations.

- ***Net Cash Provided by (Used in) Operating Activities***

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Cash flow provided by operating activities increased by \$200 million for the year ended December 31, 2014 compared to the

same period in 2013, with operating cash inflows increasing from \$762 million to \$962 million. Cash flow provided by operations for the year ended December 31, 2014 increased primarily as a result of stronger earnings performance, an increase in value-added tax refunds of \$87 million and a \$23 million increase in dividends received from our cellulose derivatives ventures. These favorable impacts were partially offset by an increase of \$127 million in pension plan and other postretirement benefit plan contributions made during the year ended December 31, 2014 compared to the prior year and a \$70 million increase in cash taxes paid.

[Table of Contents](#)*Year Ended December 31, 2013 Compared with Year Ended December 31, 2012*

Cash flow provided by operating activities increased by \$40 million for the year ended December 31, 2013 compared to the same period in 2012. The increase in cash provided by operations was primarily the result of stronger earnings performance and a reduction in pension plan and other postretirement benefit plan contributions of \$192 million made during the year ended December 31, 2013 compared to the prior year. These favorable impacts were partially offset by a decrease in dividends from our equity investments of \$121 million primarily due to the absence of a \$75 million cash dividend received from Polyplastics in 2012 as a result of an amendment to our joint venture and other related agreements and a \$65 million increase in cash taxes paid.

Trade working capital is calculated as follows:

	As of December 31,		
	2014	2013	2012
		(In \$ millions)	
Trade receivables, net	801	867	827
Inventories	782	804	711
Trade payables - third party and affiliates	(757)	(799)	(649)
Trade working capital	826	872	889

- **Net Cash Provided by (Used in) Investing Activities**

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net cash used in investing activities was \$705 million and \$422 million for the years ended December 31, 2014 and 2013, respectively. Cash outflows were primarily for capital expenditures of \$424 million and \$93 million for the years ended December 31, 2014 and 2013, respectively, relating to Fairway, as well as capital expenditures of \$254 million and \$277 million for the years ended December 31, 2014 and 2013, respectively, primarily related to capacity expansions and major investments to reduce future operating costs and improve plant reliability, as well as environmental and health and safety initiatives. Cash outflows also included the \$10 million acquisition of substantially all of the assets of Cool Polymers, Inc. during the year ended December 31, 2014.

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net cash used in investing activities was \$422 million and \$500 million for the years ended December 31, 2013 and 2012, respectively. Cash outflows were primarily for capital expenditures of \$277 million and \$349 million for the years ended December 31, 2013 and 2012, respectively, primarily related to capacity expansions, major investments to reduce future operating costs and improve plant reliability and environmental and health and safety initiatives. Cash outflows also included capital expenditures of \$93 million and \$12 million for the years ended December 31, 2013 and 2012, respectively, relating to Fairway and capital expenditures for our German POM plant relocation and expansion of \$7 million and \$49 million for the years ended December 31, 2013 and 2012, respectively. Cash outflows were partially offset by the \$23 million acquisition of certain assets from Ashland Inc., including two product lines, Vinac[®] and Flexbond[®], during the year ended December 31, 2012.

- **Net Cash Provided by (Used in) Financing Activities**

Year Ended December 31, 2014 Compared with Year Ended December 31, 2013

Net cash used in financing activities increased \$89 million to \$415 million for the year ended December 31, 2014 compared to \$326 million for the year ended December 31, 2013. The increase in cash used in financing activities is primarily due to an increase in net repayments on short-term borrowings and long-term debt of \$196 million primarily as a result of redeeming our \$600 million 6.625% senior unsecured notes due 2018, partially offset by proceeds from an offering of €300 million 3.250% senior unsecured notes due 2019. Net cash used in financing activities was also impacted by an increase in stock repurchase transactions of \$86 million and higher Common Stock cash dividends of \$61 million. During the year ended

December 31, 2014, we increased our Common Stock quarterly cash dividend rate from \$0.18 to \$0.25 per share. Cash outflows were partially offset by contributions of \$264 million received from Mitsui during the year ended December 31, 2014 in exchange for ownership in Fairway.

[Table of Contents](#)

Year Ended December 31, 2013 Compared with Year Ended December 31, 2012

Net cash flow for financing activities changed \$375 million from a net cash inflow of \$49 million for the year ended December 31, 2012 to a net cash outflow of \$326 million for the year ended December 31, 2013. The increase in net cash used in financing activities was primarily due to an increase in net repayments on short-term borrowings and long-term debt of \$144 million, an increase in stock repurchase transactions of \$119 million, a reduction in proceeds from stock option exercises of \$53 million and higher Common Stock dividends of \$40 million. During the year ended December 31, 2013, we increased our Common Stock quarterly cash dividend rate from \$0.075 to \$0.18 per share.

In addition, exchange rates had an unfavorable impact of \$46 million on cash and cash equivalents for the year ended December 31, 2014 and favorable impacts of \$11 million and \$6 million for the years ended December 31, 2013 and 2012, respectively.

Debt and Other Obligations

- ***Senior Notes***

We have outstanding senior unsecured notes issued in public offerings registered under the Securities Act of 1933, as amended, as follows (collectively, the "Senior Notes"):

Senior Notes	Issue Date	Principal	Interest Rate	Interest Pay Dates		Maturity Date
		(In millions)	(In percentages)			
3.250% Notes	September 2014	€300	3.250	April 15	October 15	October 15, 2019
4.625% Notes	November 2012	\$500	4.625	March 15	September 15	November 15, 2022
5.875% Notes	May 2011	\$400	5.875	June 15	December 15	June 15, 2021

The Senior Notes are senior unsecured obligations of Celanese US and rank equally in right of payment with all other unsubordinated indebtedness of Celanese US. The Senior Notes were issued under indentures (collectively, the "Indentures") among Celanese US, Celanese and each of the domestic subsidiaries of Celanese US that guarantee its obligations under its senior secured credit facilities ("Subsidiary Guarantors") and Wells Fargo Bank, National Association, as trustee. The Senior Notes are guaranteed on a senior unsecured basis by Celanese and the Subsidiary Guarantors. The Indentures contain covenants, including, but not limited to, restrictions on our ability to incur indebtedness; grant liens on assets; merge, consolidate, or sell assets; pay dividends or make other restricted payments; engage in transactions with affiliates; or engage in other businesses. Celanese US 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.

On October 15, 2014, Celanese US redeemed its \$600 million 6.625% senior unsecured notes due 2018 ("6.625% Notes") at a redemption price of 103.313% of the face amount for a total principal and premium payment of \$620 million plus accrued interest of \$20 million. Proceeds from the issuance of the 3.250% Notes were used to partially fund the redemption of the 6.625% Notes, as well as cash on hand. We recorded a loss on extinguishment of the 6.625% Notes of \$24 million for the year ended December 31, 2014, which included the redemption premium of \$20 million and accelerated amortization of deferred financing costs of \$4 million.

- ***Senior Credit Facilities***

On September 24, 2014, Celanese US, Celanese and certain of the domestic subsidiaries of Celanese US entered into an amendment agreement with the lenders under Celanese US's existing senior secured credit facilities in order to amend and restate the amended credit agreement dated September 16, 2013 (as amended and restated by the 2014 amendment agreement, the "Amended Credit Agreement"). Under the Amended Credit Agreement, all of the US dollar denominated Term C-2 term loans and all but €28 million of the Euro-denominated Term C-2 term loans under the 2013 amended credit agreement were converted into, or refinanced by, the Term C-3 loan facility with an extended maturity date of October 2018. The non-extended portions of the Term C-2 loan facility continue to have a maturity date of October 2016. In addition, the

maturity date of our revolving credit facility was extended to October 2018 and the facility was increased to \$900 million. Accordingly, the Amended Credit Agreement consists of the Term C-2 loan facility, the Term C-3 loan facility and a \$900 million revolving credit facility.

As of December 31, 2014, the margin for borrowings under the Term C-2 loan facility was 2.0% above the Euro Interbank Offered Rate ("EURIBOR") and the margin for borrowings under the Term C-3 loan facility was 2.25% above London

[Table of Contents](#)

Interbank Offered Rate ("LIBOR") (for US dollars) and 2.25% above EURIBOR (for Euros), as applicable. As of December 31, 2014, the margin for borrowings under the revolving credit facility was 1.5% above LIBOR. The margin for borrowings under the revolving credit facility is subject to increase or decrease in certain circumstances based on changes in the corporate credit ratings of Celanese or Celanese US.

Term loan borrowings under the Amended Credit Agreement are subject to amortization at 1% of the initial principal amount per annum, payable quarterly. In addition, we pay quarterly commitment fees on the unused portion of the revolving credit facility of 0.25% per annum.

The Amended Credit Agreement is guaranteed by Celanese and certain domestic subsidiaries of Celanese US and is secured by a lien on substantially all assets of Celanese US and such guarantors, subject to certain agreed exceptions (including for certain real property and certain shares of foreign subsidiaries), pursuant to the Guarantee and Collateral Agreement, dated April 2, 2007.

As a condition to borrowing funds or requesting letters of credit be issued under the revolving credit facility, our first lien senior secured leverage ratio (as calculated as of the last day of the most recent fiscal quarter for which financial statements have been delivered under the revolving facility) cannot exceed the threshold as specified below. Further, our first lien senior secured leverage ratio must be maintained at or below that threshold while any amounts are outstanding under the revolving credit facility.

Our first lien senior secured leverage ratios under the revolving credit facility are as follows:

As of December 31, 2014		
Maximum	Estimate	Estimate, if Fully Drawn
3.90	0.64	1.21

The Amended Credit Agreement contains covenants including, but not limited to, restrictions on our ability to incur indebtedness; grant liens on assets; merge, consolidate, or sell assets; pay dividends or make other restricted payments; make investments; prepay or modify certain indebtedness; engage in transactions with affiliates; enter into sale-leaseback transactions or hedge transactions; or engage in other businesses; as well as a covenant requiring maintenance of a maximum first lien senior secured leverage ratio.

The Amended Credit Agreement also maintains a number of events of default, including a cross default to other debt of Celanese, Celanese US, or their subsidiaries, including the Senior Notes, in an aggregate amount equal to more than \$50 million and the occurrence of a change of control. 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 under the Amended Credit Agreement.

We are in compliance with all of the covenants related to our debt agreements as of December 31, 2014.

- ***Accounts Receivable Securitization Facility***

As of December 31, 2014, the borrowing base under our US accounts receivable securitization facility was \$135 million. The US accounts receivable securitization facility purchase agreement expires in 2016, but may be extended for successive one year terms by agreement of the parties. All of the transferred assets have been pledged to the administrator of the US accounts receivable securitization facility in support of its obligations under the purchase agreement. During the year ended December 31, 2014, we repaid \$15 million of borrowings outstanding under the accounts receivable securitization facility using cash on hand. As of December 31, 2014, the outstanding amount of accounts receivable transferred under our US accounts receivable securitization facility was \$197 million.

See [Note 14 - Debt](#) in the accompanying consolidated financial statements for further information.

Share Capital

Our Board of Directors follows a policy of declaring, subject to legally available funds, a quarterly cash dividend on each

share of our Common Stock unless the Board of Directors, in its sole discretion, determines otherwise. The amount available to pay cash dividends is restricted by our Amended Credit Agreement and the Indentures.

[Table of Contents](#)

Our Board of Directors approves changes in our Common Stock cash dividend rates. In April 2014, we increased our quarterly cash dividend by 39%, from \$0.18 to \$0.25 per share of Common Stock.

On February 6, 2015, we declared a quarterly cash dividend of \$0.25 per share on our Common Stock amounting to \$38 million. The cash dividend is for the period from November 1, 2014 to January 31, 2015 and will be paid on February 27, 2015 to holders of record as of February 17, 2015. Cash dividends to be paid in 2015 are expected to be slightly higher than the cash dividends paid in 2014 based on the number of outstanding shares as of December 31, 2014 and a quarterly cash dividend rate of \$0.25.

Our Board of Directors has authorized the aggregate repurchase of \$1.4 billion of our Common Stock since February 2008. 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. During the year ended December 31, 2014, we spent \$250 million on repurchased shares of our Common Stock. As of December 31, 2014, we had \$451 million remaining under authorizations by our Board of Directors.

See [Note 17 - Stockholders' Equity](#) in the accompanying consolidated financial statements for further information.

Contractual Debt and Cash Obligations

The following table sets forth our fixed contractual debt and cash obligations as of December 31, 2014.

	Total	Payments due by period			
		Less Than 1 Year	Years 2 & 3	Years 4 & 5	After 5 Years
(In \$ millions)					
Fixed Contractual Debt Obligations					
Senior notes	1,264	—	—	364	900
Term C-2 loan facility	34	—	34	—	—
Term C-3 loan facility	906	9	18	879	
Interest payments on debt and other obligations	829 ⁽¹⁾	120	233	195	281
Capital lease obligations	260	16	37	48	159
Other debt	281 ⁽²⁾	112	—	—	169
Total	3,574	257	322	1,486	1,509
Operating leases	372	65	97	53	157
Uncertain tax positions, including interest and penalties	218	59	—	—	159 ⁽³⁾
Unconditional purchase obligations	3,427 ⁽⁴⁾	586	766	946	1,129
Pension and other postretirement funding obligations	441 ⁽⁵⁾	43	56	68	274
Environmental and asset retirement obligations	124	30	37	19	38
Total	8,156	1,040	1,278	2,572	3,266

⁽¹⁾ Future interest expense is calculated using the rate in effect on December 31, 2014.

⁽²⁾ Other debt is primarily made up of fixed rate pollution control and industrial revenue bonds, short-term borrowings from affiliated companies, our accounts receivable securitization facility and other bank obligations.

⁽³⁾ Due to uncertainties in the timing of the effective settlement of tax positions with the respective taxing authorities, we are unable to determine the timing of payments related to our uncertain tax obligations, including interest and penalties. These amounts are therefore reflected in "After 5 Years".

⁽⁴⁾ Unconditional purchase obligations primarily represent the take-or-pay provisions included in certain long-term purchase agreements. We do not expect to incur material losses under these arrangements. These amounts also include other purchase obligations such as maintenance and service agreements, energy and utility agreements, consulting contracts,

software agreements and other miscellaneous agreements and contracts, obtained via a survey of Celanese.

⁽⁵⁾ Excludes expected payments from nonqualified trusts related to nonqualified pension plans of \$201 million.

[Table of Contents](#)

Contractual Guarantees and Commitments

As of December 31, 2014, we have standby letters of credit of \$79 million and bank guarantees of \$8 million outstanding, which are irrevocable obligations of an issuing bank that ensure payment to third parties in the event that certain subsidiaries fail to perform in accordance with specified contractual obligations. The likelihood is remote that material payments will be required under these agreements.

See [Note 14 - Debt](#) in the accompanying consolidated financial statements for a description of the guarantees under our Senior Notes and Amended Credit Agreement.

See [Note 24 - Commitments and Contingencies](#) in the accompanying consolidated financial statements for a discussion of commitments and contingencies related to legal and regulatory proceedings.

Off-Balance Sheet Arrangements

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

Market Risks

See *Item 7A. Quantitative and Qualitative Disclosure about Market Risk* for further information.

Critical Accounting Policies and Estimates

Our consolidated financial statements are based on the selection and application of significant accounting policies. The preparation of consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the 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 believe the following accounting policies and estimates are critical to understanding the financial reporting risks present in the current economic environment. These matters, and the judgments and uncertainties affecting them, are also essential to understanding our reported and future operating results. See [Note 2 - Summary of Accounting Policies](#) in the accompanying consolidated financial statements for further information.

- ***Recoverability of Long-Lived Assets***

Recoverability of Goodwill and Indefinite-Lived Assets

We assess goodwill for impairment at the reporting unit level. Our reporting units are either our operating business segments or one level below our operating business segments for which discrete financial information is available and for which operating results are regularly reviewed by business segment management and the chief operating decision maker. Our operating business segments have been designated as our reporting units and include our engineered materials, cellulose derivatives, food ingredients, emulsion polymers, EVA polymers and intermediate chemistry businesses. We assess the recoverability of the carrying amount of our goodwill and other indefinite-lived intangible assets annually during the third quarter of our fiscal year using June 30 balances or whenever events or changes in circumstances indicate that the carrying amount of the asset may not be fully recoverable.

When assessing the recoverability of goodwill and other indefinite-lived intangible assets, we may first assess qualitative factors in determining whether it is more likely than not that the fair value of a reporting unit or other indefinite-lived intangible asset is less than its carrying amount. After assessing qualitative factors, if we determine that it is not more likely than not that the fair value of a reporting unit or other indefinite-lived intangible asset is less than its carrying amount, then performing a quantitative assessment is not required. If an initial qualitative assessment indicates that it is more likely than not the carrying amount exceeds the fair value of a reporting unit or other indefinite-lived intangible asset, a quantitative analysis will be performed. We may also elect to bypass the qualitative assessment and proceed directly to a quantitative analysis depending on the facts and circumstances.

In performing a quantitative analysis, recoverability of goodwill is measured using a discounted cash flow model incorporating discount rates commensurate with the risks involved for each reporting unit. Use of a discounted cash flow model is common practice in assessing impairment in the absence of available transactional market evidence to determine the fair value. The key

[Table of Contents](#)

assumptions used in the discounted cash flow valuation model include discount rates, growth rates, tax rates, cash flow projections and terminal value rates. Discount rates, growth rates and cash flow projections are the most sensitive and susceptible to change as they require significant management judgment. We may engage third-party valuation consultants to assist with this process. The valuation consultants assess fair value by equally weighting a combination of two market approaches (market multiple analysis and comparable transaction analysis) and the discounted cash flow approach. Discount rates are determined by using a weighted average cost of capital ("WACC"). The WACC considers market and industry data as well as company-specific risk factors for each reporting unit in determining the appropriate discount rate to be used. The discount rate utilized for each reporting unit is indicative of the return an investor would expect to receive for investing in such a business. Operational management, considering industry and company-specific historical and projected data, develops growth rates and cash flow projections for each reporting unit. Terminal value rate determination follows common methodology of capturing the present value of perpetual cash flow estimates beyond the last projected period assuming a constant WACC and low long-term growth rates. If the calculated fair value is less than the current carrying amount, impairment of the reporting unit may exist. If the recoverability test indicates potential impairment, we calculate an implied fair value of goodwill for the reporting unit. The implied fair value of goodwill is determined in a manner similar to how goodwill is calculated in a business combination. If the implied fair value of goodwill exceeds the carrying amount of goodwill assigned to the reporting unit, there is no impairment. If the carrying amount of goodwill assigned to a reporting unit exceeds the implied fair value of the goodwill, an impairment loss is recorded to write down the carrying amount. An impairment loss cannot exceed the carrying amount of goodwill assigned to a reporting unit but may indicate certain long-lived and amortizable intangible assets associated with the reporting unit may require additional impairment testing.

Management tests other indefinite-lived intangible assets quantitatively utilizing the relief from royalty method under the income approach to determine the estimated fair value for each indefinite-lived intangible asset. The relief from royalty method estimates our theoretical royalty savings from ownership of the intangible asset. Key assumptions used in this model include discount rates, royalty rates, growth rates, tax rates, sales projections and terminal value rates. Discount rates, royalty rates, growth rates and sales projections are the assumptions most sensitive and susceptible to change as they require significant management judgment. Discount rates used are similar to the rates estimated by the WACC considering any differences in company-specific risk factors. Royalty rates are established by management and are periodically substantiated by third-party valuation consultants. Operational management, considering industry and company-specific historical and projected data, develops growth rates and sales projections associated with each indefinite-lived intangible asset. Terminal value rate determination follows common methodology of capturing the present value of perpetual sales projections beyond the last projected period assuming a constant WACC and low long-term growth rates.

See [Note 11 - Goodwill and Intangible Assets, Net](#) in the accompanying consolidated financial statements for further information.

Recoverability of Long-Lived and Amortizable Intangible Assets

We assess the recoverability of long-lived and amortizable intangible assets whenever events or circumstances indicate that the carrying amount of the asset may not be recoverable. Examples of a change in events or circumstances include, but are not limited to, a decrease in the market price of the asset, a history of cash flow losses related to the use of the asset or a significant adverse change in the extent or manner in which an asset is being used. To assess the recoverability of long-lived and amortizable intangible assets we compare the carrying amount of the asset or group of assets to the future net undiscounted cash flows expected to be generated by the asset or asset group. Long-lived and amortizable intangible assets are tested for recognition and measurement of an impairment loss at the lowest level for which identifiable cash flows are largely independent of the cash flows of other assets and liabilities. If such assets are considered impaired, the impairment recognized is measured as the amount by which the carrying amount of the asset exceeds the fair value of the asset.

The development of future net undiscounted cash flow projections require management projections related to sales and profitability trends and the remaining useful life of the asset. Projections of sales and profitability trends are the assumptions most sensitive and susceptible to change as they require significant management judgment. These projections are consistent with projections we use to manage our operations internally. When impairment is indicated, a discounted cash flow valuation model similar to that used to value goodwill at the reporting unit level, incorporating discount rates commensurate with risks associated with each asset, is used to determine the fair value of the asset to measure potential impairment. We believe the assumptions used are reflective of what a market participant would have used in calculating fair value.

See [Note 10 - Property, Plant and Equipment, Net](#) and [Note 11 - Goodwill and Intangible Assets, Net](#) in the accompanying consolidated financial statements for further information.

[Table of Contents](#)

Valuation methodologies utilized to evaluate goodwill and indefinite-lived intangible, amortizable intangible and long-lived assets for impairment were consistent with prior periods. We periodically engage third-party valuation consultants to assist us with this process. Specific assumptions discussed above are updated at the date of each test to consider current industry and company-specific risk factors from the perspective of a market participant. The current business environment is subject to evolving market conditions and requires significant management judgment to interpret the potential impact to our assumptions. To the extent that changes in the current business environment result in adjusted management projections, impairment losses may occur in future periods.

- ***Income Taxes***

We regularly review our deferred tax assets for recoverability and establish a valuation allowance as needed. In forming our judgment regarding the recoverability of deferred tax assets related to deductible temporary differences and tax attribute carryforwards, we give weight to positive and negative evidence based on the extent to which the forms of evidence can be objectively verified. We attach the most weight to historical earnings due to its verifiable nature. Weight is attached to tax planning strategies if the strategies are prudent and feasible and implementable without significant obstacles. Less weight is attached to forecasted future earnings due to its subjective nature, and expected timing of reversal of taxable temporary differences is given little weight unless the reversal of taxable and deductible temporary differences coincide. Valuation allowances are established primarily on net operating loss carryforwards and other deferred tax assets in the US, Luxembourg, Spain, China, Singapore, the United Kingdom and Canada, as well as other foreign jurisdictions. We have appropriately reflected increases and decreases in our valuation allowance based on the overall weight of positive versus negative evidence on a jurisdiction by jurisdiction basis.

The recoverability of deferred tax assets and the recognition and measurement of uncertain tax positions are subject to various assumptions and management judgment. If actual results differ from the estimates made by management in establishing or maintaining valuation allowances against deferred tax assets, the resulting change in the valuation allowance would generally impact earnings or Other comprehensive income depending on the nature of the respective deferred tax asset. In addition, the positions taken with regard to tax contingencies may be subject to audit and review by tax authorities, which may result in future taxes, interest and penalties.

See [Note 19 - Income Taxes](#) in the accompanying consolidated financial statements for further information.

- ***Benefit Obligations***

The amounts recognized in the consolidated financial statements related to pension and other postretirement benefits are determined on an actuarial basis. Various assumptions are used in the calculation of the actuarial valuation of the employee benefit plans. These assumptions include the discount rate, compensation levels, expected long-term rates of return on plan assets and trends in health care costs. In addition, actuarial consultants use factors such as withdrawal and mortality rates to estimate the projected benefit obligation. The actuarial assumptions used may differ materially from actual results due to changing market and economic conditions, higher or lower withdrawal rates or longer or shorter life spans of participants. These differences may result in a significant impact to the amount of net periodic benefit cost recorded in future periods.

Pension assumptions are reviewed annually in the fourth quarter of each fiscal year and whenever a plan is required to be remeasured. Assumptions are reviewed on a plan and country-specific basis by third-party actuaries and senior management. Such assumptions are adjusted as appropriate to reflect changes in market rates and outlook.

See [Note 15 - Benefit Obligations](#) in the accompanying consolidated financial statements for further information.

[Table of Contents](#)

The estimated change in pension and postretirement net periodic benefit cost that would occur in 2015 from a change in the indicated assumptions are as follows:

	<u>Change in Rate</u>	<u>Impact on Net Periodic Benefit Cost</u> (In \$ millions)
US Pension Benefits		
Decrease in the discount rate	0.50%	(9)
Decrease in the long-term expected rate of return on plan assets ⁽¹⁾	0.50%	12
US Postretirement Benefits		
Decrease in the discount rate	0.50%	—
Increase in the annual health care cost trend rates	1.00%	—
Non-US Pension Benefits		
Decrease in the discount rate	0.50%	—
Decrease in the long-term expected rate of return on plan assets	0.50%	2
Non-US Postretirement Benefits		
Decrease in the discount rate	0.50%	—
Increase in the annual health care cost trend rates	1.00%	—

⁽¹⁾ Excludes nonqualified pension plans.

• *Accounting for Commitments and Contingencies*

We routinely assess the likelihood of any adverse judgments or outcomes to legal and regulatory proceedings, lawsuits, claims, and investigations, incidental to the normal conduct of our past and current business, as well as ranges of probable and reasonably estimable losses. Reasonable estimates involve judgments made by us after considering a broad range of information including: notifications, prior settlements, demands, which have been received from a regulatory authority or private party, estimates performed by independent consultants and outside counsel, available facts, identification of other potentially responsible parties and their ability to contribute, as well as prior experience. A determination of the amount of loss contingency required, if any, is recorded if probable and estimable after careful analysis of each individual matter. The required reserves may change in the future due to new developments in each matter and as additional information becomes available. Due to the inherent subjectivity of assessments and unpredictability of outcomes of legal proceedings, our litigation accruals and estimates of possible loss or range of possible loss may not represent the ultimate loss to us from legal proceedings.

See [Note 16 - Environmental](#) and [Note 24 - Commitments and Contingencies](#) in the accompanying consolidated financial statements for further information.

Recent Accounting Pronouncements

See [Note 3 - Accounting Pronouncements](#) in the accompanying consolidated financial statements for information regarding recent accounting pronouncements.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk

Market Risks

Our financial market risk consists principally of exposure to currency exchange rates, interest rates and commodity prices. Exchange rate and interest rate risks are managed with a variety of techniques, including use of derivatives. We have in place policies of hedging against changes in currency exchange rates, interest rates and commodity prices as described below.

See [Note 2 - Summary of Accounting Policies](#) in the accompanying consolidated financial statements for further information regarding our derivative and hedging instruments accounting policies related to financial market risk.

See [Note 22 - Derivative Financial Instruments](#) in the accompanying consolidated financial statements for further information regarding our market risk management and the related impact on our financial position and results of operations.

[Table of Contents](#)

- ***Interest Rate Swaps***

In December 2014, we dedesignated as cash flow hedges the notional value of \$500 million US dollar interest rate swap agreements expiring January 2, 2016, and a loss of \$3 million was reclassified out of Accumulated other comprehensive income (loss), net, into Interest expense in the consolidated statements of operations during the three months ended December 31, 2014. Future mark-to-market adjustments on these dedesignated interest rate swap agreements will be recorded in Interest expense through their expiration. See [Note 22 - Derivative Financial Instruments](#) in the accompanying consolidated financial statements for further information.

As of December 31, 2014, we had \$774 million, €178 million and CNY380 million of variable rate debt and US dollar interest rate swap agreements with a notional value of \$500 million that expire January 2, 2016. These interest rate swap agreements have the economic effect of modifying the US dollar variable rate obligations into fixed interest obligations. Accordingly, a 1% increase in interest rates would increase annual interest expense by \$6 million.

- ***Foreign Currency Forwards and Swaps***

A portion of our assets, liabilities, net sales and expenses are denominated in currencies other than the US dollar. Fluctuations in the value of these currencies against the US dollar can have a direct and material impact on the business and financial results. For example, a decline in the value of the Euro versus the US dollar results in a decline in the US dollar value of our sales and earnings denominated in Euros due to translation effects. Likewise, an increase in the value of the Euro versus the US dollar would result in an opposite effect. We estimate that a one cent Euro/US dollar change in the exchange rate would impact our earnings by \$6 million annually.

Item 8. *Financial Statements and Supplementary Data*

Our consolidated financial statements and supplementary data are included in *Item 15. Exhibits and Financial Statement Schedules* of this Annual Report on Form 10-K.

Quarterly Financial Information

For a discussion of material events affecting performance in each quarter, see *Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations*. All amounts in the table below have been retroactively adjusted for the effects of discontinued operations.

**CELANESE CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS**

	Three Months Ended			
	March 31, 2014	June 30, 2014	September 30, 2014	December 31, 2014
	(Unaudited)			
	(In \$ millions, except per share data)			
Net sales	1,705	1,769	1,769	1,559
Gross profit	378	408	436	394
Other (charges) gains, net	(1)	2	20	(6)
Operating profit (loss)	243	259	310	(54) ⁽¹⁾
Earnings (loss) from continuing operations before tax	273	352	347	(31)
Amounts attributable to Celanese Corporation				
Earnings (loss) from continuing operations	196	259	258	(82)
Earnings (loss) from discontinued operations	—	—	(5)	(2)
Net earnings (loss)	196	259	253	(84)
Net earnings (loss) per share — basic	1.25	1.66	1.64	(0.55)
Net earnings (loss) per share — diluted	1.25	1.66	1.63	(0.55)

	Three Months Ended			
	March 31, 2013	June 30, 2013	September 30, 2013	December 31, 2013
	(Unaudited)			
	(In \$ millions, except per share data)			
Net sales	1,605	1,653	1,636	1,616
Gross profit	333	319	346	367
Other (charges) gains, net	(4)	(3)	(4)	(147) ⁽²⁾
Operating profit (loss)	184	169	211	944 ⁽³⁾
Earnings (loss) from continuing operations before tax	218	208	228	955
Amounts attributable to Celanese Corporation				
Earnings (loss) from continuing operations	141	133	171	656
Earnings (loss) from discontinued operations	1	—	1	(2)
Net earnings (loss)	142	133	172	654
Net earnings (loss) per share — basic	0.89	0.83	1.09	4.16
Net earnings (loss) per share — diluted	0.89	0.83	1.08	4.15

⁽¹⁾ Includes \$349 million of net actuarial losses related to defined benefit pension, other postretirement and postemployment obligations. See [Note 15 - Benefit Obligations](#) in the accompanying consolidated financial statements for further information.

⁽²⁾ Includes \$20 million of employee termination benefits, \$33 million of contract termination costs and \$34 million of long-lived asset impairment losses to fully write-off property, plant and equipment related to the closure of our acetic anhydride facility in Roussillon, France and our vinyl acetate monomer ("VAM") facility in Tarragona, Spain in December 2013. Also includes long-lived asset impairment losses of \$46 million to fully write-off property, plant and equipment related to our acetic acid production unit in Singapore. See [Note 4 - Acquisitions, Dispositions and Plant](#)

[Closures](#) and [Note 18 - Other \(Charges\) Gains, Net](#) in the accompanying consolidated financial statements for further information.

- ⁽³⁾ Includes a net gain on disposition of assets of \$742 million, which represents the deferred proceeds in excess of divested assets as a result of the 2006 settlement agreement with Fraport to move our German polyacetal ("POM") operations. See [Note 28 - Plant Relocation](#) in the accompanying consolidated financial statements for further information.

[Table of Contents](#)

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Under the supervision and with the participation of our management, including the Chief Executive Officer and Interim 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 Annual Report. Based on that evaluation, as of December 31, 2014, the Chief Executive Officer and Interim Chief Financial Officer have concluded that our disclosure controls and procedures are effective.

Changes in Internal Control Over Financial Reporting

During the three months ended December 31, 2014, 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.

Report of Management on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting for the Company. Internal control over financial reporting is a process to provide reasonable assurance regarding the reliability of our financial reporting for external purposes in accordance with accounting principles generally accepted in the United States of America. Internal control over financial reporting includes maintaining records that in reasonable detail accurately and fairly reflect our transactions; providing reasonable assurance that transactions are recorded as necessary for preparation of our consolidated financial statements; providing reasonable assurance that receipts and expenditures of company assets are made in accordance with management authorization; and providing reasonable assurance that unauthorized acquisition, use or disposition of company assets that could have a material effect on our consolidated financial statements would be prevented or detected on a timely basis. Because of its inherent limitations, internal control over financial reporting is not intended to provide absolute assurance that a misstatement of our consolidated financial statements would be prevented or detected.

Management conducted an evaluation of the effectiveness of our internal control over financial reporting based on the framework in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission. Based on this evaluation, management concluded that the Company's internal control over financial reporting was effective as of December 31, 2014. The Company's independent registered public accounting firm, KPMG LLP, has issued an audit report on the effectiveness of the Company's internal control over financial reporting. Their report follows.

Report of Independent Registered Public Accounting Firm

The Board of Directors and Stockholders
Celanese Corporation:

We have audited Celanese Corporation and subsidiaries' (the "Company") internal control over financial reporting as of December 31, 2014, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Report of Management on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit.

We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects. Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

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

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2014, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheets of the Company as of December 31, 2014 and 2013, and the related consolidated statements of operations, comprehensive income (loss), equity, and cash flows for each of the years in the three-year period ended December 31, 2014, and our report dated February 6, 2015 expressed an unqualified opinion on those consolidated financial statements.

/s/ KPMG LLP

Dallas, Texas
February 6, 2015

[Table of Contents](#)

Item 9B. Other Information

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this Item 10 is incorporated herein by reference from the sections captioned "Proposal 1: Election of Directors," "Corporate Governance" and "Stock Ownership Information - Section 16(a) Beneficial Ownership Reporting Compliance" of the Company's definitive proxy statement for the 2015 annual meeting of stockholders to be filed with the Securities and Exchange Commission pursuant to Regulation 14A under the Securities Exchange Act of 1934, as amended (the "2015 Proxy Statement"). Information about executive officers of the Company is contained in Part I of this Annual Report.

Codes of Ethics

The Company has adopted a Business Conduct Policy for directors, officers and employees along with a Financial Code of Ethics for its principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions. These codes are available on the corporate governance portal of the Company's investor relations website at <http://www.celanese.com>. The Company intends to satisfy the disclosure requirements under Item 5.05 of Form 8-K regarding amendments to and waivers from these codes by posting such information on the same website.

Item 11. Executive Compensation

The information required by this Item 11 is incorporated herein by reference from the sections captioned "Compensation Discussion and Analysis," "Risk Assessment of Compensation Practices," "Compensation Tables," "Potential Payments Upon Termination or Change In Control," "Compensation Committee Interlocks and Insider Participation" and "Compensation Committee Report" of the 2015 Proxy Statement.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information with respect to beneficial ownership required by this Item 12 is incorporated herein by reference from the section captioned "Stock Ownership Information - Principal Stockholders and Beneficial Owners" of the 2015 Proxy Statement.

Equity Compensation Plans

Securities Authorized for Issuance Under Equity Compensation Plans

The following information is provided as of December 31, 2014 with respect to equity compensation plans:

Plan Category	Number of Securities to be Issued upon Exercise of Outstanding Options, Warrants and Rights	Weighted Average Exercise Price of Outstanding Options, Warrants and Rights	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (excluding securities reflected in column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders	2,844,382 ⁽¹⁾	\$ 36.29	22,336,467 ⁽²⁾
Equity compensation plans not approved by security holders ⁽³⁾	136,500	\$ 29.82	—
Total	2,980,882		22,336,467

- ⁽¹⁾ Includes 2,615,490 restricted stock units ("RSUs") granted under the Celanese Corporation 2009 Global Incentive Plan, as amended and restated April 19, 2012 (the "2009 Plan"), including shares that may be issued pursuant to outstanding performance-based RSUs, assuming currently estimated maximum potential performance; actual shares may vary, depending on actual performance. If the performance-based RSUs included in this total vest at the target performance level (as opposed to the maximum potential performance), the aggregate awards outstanding would be 1,364,398.

[Table of Contents](#)

Upon vesting, a share of the Company's Series A common stock, par value \$0.0001 per share ("Common Stock"), is issued for each restricted stock unit. Column (b) does not take these awards into account because they do not have an exercise price.

- (2) Includes shares available for future issuance under the Celanese Corporation 2009 Employee Stock Purchase Plan approved by stockholders on April 23, 2009 (the "ESPP"). As of December 31, 2014, an aggregate of 14,000,000 shares of our Common Stock were available for future issuance under the ESPP. No shares have been offered for purchase under the ESPP as of December 31, 2014. Beginning January 1, 2015, eligible US employees can purchase shares of our Common Stock under the ESPP.
- (3) The stock options to be issued under plans not approved by stockholders relate to the Celanese Corporation 2004 Stock Incentive Plan (the "2004 Plan"), which is our former broad-based stock incentive plan for executive officers, key employees and directors. No further awards were made pursuant to the 2004 Plan upon stockholder approval of the 2009 Plan in April 2009. Additionally, there are 33,245 shares of phantom stock for compensation for director services deferred by certain of our non-employee directors under the 2008 Deferred Compensation Plan, which are not reflected in column (a). Each share of phantom stock represents the right to receive one share of Common Stock.

Item 13. *Certain Relationships and Related Transactions, and Director Independence*

The information required by this Item 13 is incorporated herein by reference from the section captioned "Certain Relationships and Related Person Transactions" and "Corporate Governance — Director Independence" of the 2015 Proxy Statement.

Item 14. *Principal Accounting Fees and Services*

The information required by this Item 14 is incorporated herein by reference from the section captioned "Proposal 3: Ratification of Independent Registered Public Accounting Firm" of the 2015 Proxy Statement.

PART IV

Item 15. *Exhibits, Financial Statement Schedules*

1. *Financial Statements.* The report of our independent registered public accounting firm and our consolidated financial statements are listed below and begin on [page 63](#) of this Annual Report on Form 10-K.

	<u>Page Number</u>
Report of Independent Registered Public Accounting Firm	63
Consolidated Statements of Operations	64
Consolidated Statements of Comprehensive Income (Loss)	65
Consolidated Balance Sheets	66
Consolidated Statements of Equity	67
Consolidated Statements of Cash Flows	68
Notes to the Consolidated Financial Statements	69

2. *Financial Statement Schedules.*

The financial statement schedules required by this item, if any, are included as Exhibits to this Annual Report on Form 10-K.

3. *Exhibit List.*

See Index to Exhibits following our consolidated financial statements contained in this Annual Report on Form 10-K.

/s/ JAY V. IHLENFELD

Jay V. Ihlenfeld

Director

February 6, 2015

[Table of Contents](#)

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<hr/> <u>/s/ MARTIN G. MCGUINN</u> Martin G. McGuinn	Director	February 6, 2015
<hr/> <u>/s/ DANIEL S. SANDERS</u> Daniel S. Sanders	Director	February 6, 2015
<hr/> <u>/s/ FARAH M. WALTERS</u> Farah M. Walters	Director	February 6, 2015
<hr/> <u>/s/ JOHN K. WULFF</u> John K. Wulff	Director	February 6, 2015

[Table of Contents](#)

CELANESE CORPORATION AND SUBSIDIARIES
INDEX TO CONSOLIDATED FINANCIAL STATEMENTS

	Page Number
Report of Independent Registered Public Accounting Firm	63
Consolidated Statements of Operations for the years ended December 31, 2014, 2013 and 2012	64
Consolidated Statements of Comprehensive Income (Loss) for the years ended December 31, 2014, 2013 and 2012	65
Consolidated Balance Sheets as of December 31, 2014 and 2013	66
Consolidated Statements of Equity for the years ended December 31, 2014, 2013 and 2012	67
Consolidated Statements of Cash Flows for the years ended December 31, 2014, 2013 and 2012	68
Notes to the Consolidated Financial Statements	69
1. Description of the Company and Basis of Presentation	69
2. Summary of Accounting Policies	69
3. Recent Accounting Pronouncements	78
4. Acquisitions, Dispositions and Plant Closures	78
5. Variable Interest Entities	78
6. Marketable Securities, at Fair Value	80
7. Receivables, Net	80
8. Inventories	81
9. Investments in Affiliates	81
10. Property, Plant and Equipment, Net	83
11. Goodwill and Intangible Assets, Net	83
12. Current Other Liabilities	85
13. Noncurrent Other Liabilities	86
14. Debt	86
15. Benefit Obligations	90
16. Environmental	99
17. Stockholders' Equity	101
18. Other (Charges) Gains, Net	104
19. Income Taxes	105
20. Management Compensation Plans	109
21. Leases	111
22. Derivative Financial Instruments	112
23. Fair Value Measurements	114
24. Commitments and Contingencies	116
25. Supplemental Cash Flow Information	117
26. Segment Information	118
27. Earnings (Loss) Per Share	121
28. Plant Relocation	121
29. Consolidating Guarantor Financial Information	121

Report of Independent Registered Public Accounting Firm

The Board of Directors and Stockholders
Celanese Corporation:

We have audited the accompanying consolidated balance sheets of Celanese Corporation and subsidiaries (the "Company") as of December 31, 2014 and 2013, and the related consolidated statements of operations, comprehensive income (loss), equity, and cash flows for each of the years in the three-year period ended December 31, 2014. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2014 and 2013, and the results of its operations and its cash flows for each of the years in the three-year period ended December 31, 2014, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the Company's internal control over financial reporting as of December 31, 2014, based on criteria established in *Internal Control — Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO), and our report dated February 6, 2015 expressed an unqualified opinion on the effectiveness of the Company's internal control over financial reporting.

/s/ KPMG LLP

Dallas, Texas
February 6, 2015

[Table of Contents](#)

**CELANESE CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS**

	Year Ended December 31,		
	2014	2013	2012
	<i>(In \$ millions, except share and per share data)</i>		
Net sales	6,802	6,510	6,418
Cost of sales	(5,186)	(5,145)	(5,237)
Gross profit	1,616	1,365	1,181
Selling, general and administrative expenses	(758)	(311)	(830)
Amortization of intangible assets	(20)	(32)	(51)
Research and development expenses	(86)	(85)	(104)
Other (charges) gains, net	15	(158)	(14)
Foreign exchange gain (loss), net	(2)	(6)	(4)
Gain (loss) on disposition of businesses and assets, net	(7)	735	(3)
Operating profit (loss)	758	1,508	175
Equity in net earnings (loss) of affiliates	246	180	242
Interest expense	(147)	(172)	(185)
Refinancing expense	(29)	(1)	(3)
Interest income	1	1	2
Dividend income - cost investments	116	93	85
Other income (expense), net	(4)	—	5
Earnings (loss) from continuing operations before tax	941	1,609	321
Income tax (provision) benefit	(314)	(508)	55
Earnings (loss) from continuing operations	627	1,101	376
Earnings (loss) from operation of discontinued operations	(11)	—	(6)
Gain (loss) on disposition of discontinued operations	—	—	—
Income tax (provision) benefit from discontinued operations	4	—	2
Earnings (loss) from discontinued operations	(7)	—	(4)
Net earnings (loss)	620	1,101	372
Net (earnings) loss attributable to noncontrolling interests	4	—	—
Net earnings (loss) attributable to Celanese Corporation	624	1,101	372
Amounts attributable to Celanese Corporation			
Earnings (loss) from continuing operations	631	1,101	376
Earnings (loss) from discontinued operations	(7)	—	(4)
Net earnings (loss)	624	1,101	372
Earnings (loss) per common share - basic			
Continuing operations	4.07	6.93	2.37
Discontinued operations	(0.04)	—	(0.02)
Net earnings (loss) - basic	4.03	6.93	2.35
Earnings (loss) per common share - diluted			
Continuing operations	4.04	6.91	2.35
Discontinued operations	(0.04)	—	(0.02)
Net earnings (loss) - diluted	4.00	6.91	2.33
Weighted average shares - basic	155,012,370	158,801,150	158,359,914
Weighted average shares - diluted	156,166,993	159,334,219	159,830,786

See the accompanying notes to the consolidated financial statements.

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

	Year Ended December 31,		
	2014	2013	2012
		(In \$ millions)	
Net earnings (loss)	620	1,101	372
Other comprehensive income (loss), net of tax			
Unrealized gain (loss) on marketable securities	1	1	—
Foreign currency translation	(148)	20	5
Gain (loss) on cash flow hedges	40	6	7
Pension and postretirement benefits	(54)	58	(11)
Total other comprehensive income (loss), net of tax	(161)	85	1
Total comprehensive income (loss), net of tax	459	1,186	373
Comprehensive (income) loss attributable to noncontrolling interests	4	—	—
Comprehensive income (loss) attributable to Celanese Corporation	463	1,186	373

See the accompanying notes to the consolidated financial statements.

CELANESE CORPORATION AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS

	As of December 31,	
	2014	2013
(In \$ millions, except share data)		
ASSETS		
Current Assets		
Cash and cash equivalents (variable interest entity restricted - 2014: \$1)	780	984
Trade receivables - third party and affiliates (net of allowance for doubtful accounts - 2014: \$9; 2013: \$9)	801	867
Non-trade receivables, net	241	343
Inventories	782	804
Deferred income taxes	29	115
Marketable securities, at fair value	32	41
Other assets	33	28
Total current assets	2,698	3,182
Investments in affiliates	876	841
Property, plant and equipment (net of accumulated depreciation - 2014: \$1,816; 2013: \$1,672; variable interest entity restricted - 2014: \$535)	3,733	3,425
Deferred income taxes	253	289
Other assets (variable interest entity restricted - 2014; \$24)	377	341
Goodwill	749	798
Intangible assets, net	132	142
Total assets	8,818	9,018
LIABILITIES AND EQUITY		
Current Liabilities		
Short-term borrowings and current installments of long-term debt - third party and affiliates	137	177
Trade payables - third party and affiliates	757	799
Other liabilities	432	541
Deferred income taxes	7	10
Income taxes payable	5	18
Total current liabilities	1,338	1,545
Long-term debt	2,608	2,887
Deferred income taxes	141	225
Uncertain tax positions	159	200
Benefit obligations	1,211	1,175
Other liabilities	283	287
Commitments and Contingencies		
Stockholders' Equity		
Preferred stock, \$0.01 par value, 100,000,000 shares authorized (2014 and 2013: 0 issued and outstanding)	—	—
Series A common stock, \$0.0001 par value, 400,000,000 shares authorized (2014: 166,169,335 issued and 152,902,710 outstanding; 2013: 165,867,965 issued and 156,939,828 outstanding)	—	—
Series B common stock, \$0.0001 par value, 100,000,000 shares authorized (2014 and 2013: 0 issued and outstanding)	—	—
Treasury stock, at cost (2014: 13,266,625 shares; 2013: 8,928,137 shares)	(611)	(361)

Additional paid-in capital	103	53
Retained earnings	3,491	3,011
Accumulated other comprehensive income (loss), net	(165)	(4)
Total Celanese Corporation stockholders' equity	<u>2,818</u>	<u>2,699</u>
Noncontrolling interests	260	—
Total equity	<u>3,078</u>	<u>2,699</u>
Total liabilities and equity	<u><u>8,818</u></u>	<u><u>9,018</u></u>

See the accompanying notes to the consolidated financial statements.

CELANESE CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF EQUITY

	Year Ended December 31,					
	2014		2013		2012	
	Shares	Amount	Shares	Amount	Shares	Amount
	(In \$ millions, except share data)					
Series A Common Stock						
Balance as of the beginning of the period	156,939,828	—	159,642,401	—	156,463,811	—
Stock option exercises	202,121	—	283,682	—	3,751,825	—
Purchases of treasury stock	(4,338,488)	—	(3,192,201)	—	(1,065,542)	—
Stock awards	99,249	—	205,946	—	492,307	—
Balance as of the end of the period	<u>152,902,710</u>	<u>—</u>	<u>156,939,828</u>	<u>—</u>	<u>159,642,401</u>	<u>—</u>
Treasury Stock						
Balance as of the beginning of the period	8,928,137	(361)	23,986,836	(905)	22,921,294	(860)
Purchases of treasury stock, including related fees	4,338,488	(250)	3,192,201	(164)	1,065,542	(45)
Retirement of treasury stock	—	—	(18,250,900)	708	—	—
Balance as of the end of the period	<u>13,266,625</u>	<u>(611)</u>	<u>8,928,137</u>	<u>(361)</u>	<u>23,986,836</u>	<u>(905)</u>
Additional Paid-In Capital						
Balance as of the beginning of the period		53		731		627
Retirement of treasury stock		—		(708)		—
Stock-based compensation, net of tax		43		19		12
Stock option exercises, net of tax		7		11		92
Balance as of the end of the period		<u>103</u>		<u>53</u>		<u>731</u>
Retained Earnings						
Balance as of the beginning of the period		3,011		1,993		1,664
Net earnings (loss) attributable to Celanese Corporation		624		1,101		372
Series A common stock dividends		(144)		(83)		(43)
Balance as of the end of the period		<u>3,491</u>		<u>3,011</u>		<u>1,993</u>
Accumulated Other Comprehensive Income (Loss), Net						
Balance as of the beginning of the period		(4)		(89)		(90)
Other comprehensive income (loss), net of tax		(161)		85		1
Balance as of the end of the period		<u>(165)</u>		<u>(4)</u>		<u>(89)</u>
Total Celanese Corporation stockholders' equity		<u>2,818</u>		<u>2,699</u>		<u>1,730</u>
Noncontrolling Interests						
Balance as of the beginning of the period		—		—		—
Net earnings (loss) attributable to noncontrolling interests		(4)		—		—
Contributions from noncontrolling interests		264		—		—
Balance as of the end of the period		<u>260</u>		<u>—</u>		<u>—</u>
Total equity		<u>3,078</u>		<u>2,699</u>		<u>1,730</u>

See the accompanying notes to the consolidated financial statements.

[Table of Contents](#)

CELANESE CORPORATION AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS

	Year Ended December 31,		
	2014	2013	2012
	(In \$ millions)		
Operating Activities			
Net earnings (loss)	620	1,101	372
Adjustments to reconcile net earnings (loss) to net cash provided by operating activities			
Asset impairments	—	81	8
Depreciation, amortization and accretion	298	319	320
Pension and postretirement net periodic benefit cost	(113)	(35)	9
Pension and postretirement contributions	(223)	(96)	(288)
Actuarial (gain) loss on pension and postretirement plans	350	(104)	389
Pension curtailments and settlements, net	(78)	(52)	—
Deferred income taxes, net	124	344	(175)
(Gain) loss on disposition of businesses and assets, net	8	(737)	3
Stock-based compensation	46	24	20
Undistributed earnings in unconsolidated affiliates	(98)	(39)	20
Other, net	24	13	15
Operating cash provided by (used in) discontinued operations	(5)	(4)	2
Changes in operating assets and liabilities			
Trade receivables - third party and affiliates, net	23	(23)	50
Inventories	(15)	(81)	6
Other assets	20	(110)	9
Trade payables - third party and affiliates	(13)	109	5
Other liabilities	(6)	52	(43)
Net cash provided by (used in) operating activities	962	762	722
Investing Activities			
Capital expenditures on property, plant and equipment	(254)	(277)	(349)
Acquisitions, net of cash acquired	(10)	—	(23)
Proceeds from sale of businesses and assets, net	—	13	1
Capital expenditures related to Kelsterbach plant relocation	—	(7)	(49)
Capital expenditures related to Fairway Methanol LLC	(424)	(93)	(12)
Other, net	(17)	(58)	(68)
Net cash provided by (used in) investing activities	(705)	(422)	(500)
Financing Activities			
Short-term borrowings (repayments), net	(9)	(11)	2
Proceeds from short-term borrowings	62	177	71
Repayments of short-term borrowings	(91)	(123)	(71)
Proceeds from long-term debt	387	74	550
Repayments of long-term debt	(626)	(198)	(489)
Purchases of treasury stock, including related fees	(250)	(164)	(45)
Stock option exercises	5	9	62
Series A common stock dividends	(144)	(83)	(43)
Contributions from noncontrolling interests	264	—	—
Other, net	(13)	(7)	12

Net cash provided by (used in) financing activities	(415)	(326)	49
Exchange rate effects on cash and cash equivalents	<u>(46)</u>	<u>11</u>	<u>6</u>
Net increase (decrease) in cash and cash equivalents	(204)	25	277
Cash and cash equivalents as of beginning of period	<u>984</u>	<u>959</u>	<u>682</u>
Cash and cash equivalents as of end of period	<u><u>780</u></u>	<u><u>984</u></u>	<u><u>959</u></u>

See the accompanying notes to the consolidated financial statements.

CELANESE CORPORATION AND SUBSIDIARIES
NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

1. Description of the Company and Basis of Presentation

Description of the Company

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

Definitions

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

Basis of Presentation

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

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 Annual Report.

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

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

2. Summary of Accounting Policies

Consolidation Principles

The consolidated financial statements have been prepared in accordance with US GAAP for all periods presented and include the accounts of the Company and its majority owned subsidiaries over which the Company exercises control. All intercompany accounts and transactions have been eliminated in consolidation.

Estimates and Assumptions

The preparation of consolidated financial statements in conformity with US GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the 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.

[Table of Contents](#)

Fair Value Measurements

The Company determines fair value based on the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. When determining the fair value measurements for assets and liabilities required to be recorded at fair value, the Company considers assumptions that market participants would use when pricing the asset or liability. Market participant assumptions are categorized by a three-tiered fair value hierarchy which prioritizes the inputs used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurement) and the lowest priority to unobservable inputs (Level 3 measurement). This hierarchy requires entities to maximize the use of observable inputs and minimize the use of unobservable inputs. If a financial instrument uses inputs that fall in different levels of the hierarchy, the instrument will be categorized based upon the lowest level of input that is significant to the fair value calculation. Valuations for fund investments, such as common/collective trusts and registered investment companies, which do not have readily determinable fair values, are typically estimated using a net asset value provided by a third party as a practical expedient.

The levels of inputs used to measure fair value are as follows:

Level 1 - unadjusted quoted prices for identical assets or liabilities in active markets accessible by the Company

Level 2 - inputs that are observable in the marketplace other than those inputs classified as Level 1

Level 3 - inputs that are unobservable in the marketplace and significant to the valuation

Purchase Accounting

The Company allocates the purchase price of its acquisitions to identifiable intangible assets acquired based on their estimated fair values. The excess of purchase price over the aggregate fair values are recorded as goodwill. Intangible assets are valued using the relief from royalty and discounted cash flow methodologies, which are considered Level 3 measurements. The relief from royalty method estimates the Company's theoretical royalty savings from ownership of the intangible asset. Key assumptions used in this model include discount rates, royalty rates, growth rates, sales projections and terminal value rates, all of which require significant management judgment and, therefore, are susceptible to change. The key assumptions used in the discounted cash flow valuation model include discount rates, growth rates, cash flow projections and terminal value rates. Discount rates, growth rates and cash flow projections are the most sensitive and susceptible to change as they require significant management judgment. The Company calculates the fair value of the intangible assets acquired to allocate the purchase price at the acquisition date. The Company may use the assistance of third-party valuation consultants.

Cash and Cash Equivalents

All highly liquid investments with original maturities of three months or less are considered cash equivalents.

Allowance for Doubtful Accounts

The Company maintains allowances for doubtful accounts for estimated losses resulting from the inability of its customers to make required payments. The Company believes, based on historical results, the likelihood of actual write-offs having a material impact on financial results is low. The allowance for doubtful accounts is estimated using factors such as customer credit ratings, past collection history and general risk profile. Receivables are charged against the allowance for doubtful accounts when it is probable that the receivable will not be recovered.

Inventories

Inventories, including stores and supplies, are stated at the lower of cost or market. Cost for inventories is determined using the first-in, first-out ("FIFO") method. Cost includes raw materials, direct labor and manufacturing overhead. Cost for stores and supplies is primarily determined by the average cost method.

Investments

- ***Marketable Securities***

The cost of available-for-sale securities sold is determined using the specific identification method.

[Table of Contents](#)

• ***Investments in Affiliates***

Investments where the Company can exercise significant influence over operating and financial policies of an investee, which is generally considered when an investor owns 20% or more of the voting stock of an investee, are accounted for under the equity method of accounting. Investments where the Company does not exercise significant influence are accounted for under the cost method of accounting. The Company determined it cannot exercise significant influence over certain investments where the Company owns greater than a 20% interest due to local government investment in and influence over these entities, limitations on the Company's involvement in the day-to-day operations and the present inability of the entities to provide timely financial information prepared in accordance with US GAAP. Accordingly, these investments are accounted for under the cost method of accounting.

In certain instances, the financial information of the Company's equity investees is not available on a timely basis. Accordingly, the Company records its proportional share of the investee's earnings or losses on a consistent lag of no more than one quarter.

When required to assess the recoverability of its investments in affiliates, the Company estimates fair value using a discounted cash flow model. The Company may engage third-party valuation consultants to assist with this process.

Property, Plant and Equipment, Net

Land is recorded at historical cost. Buildings, machinery and equipment, including capitalized interest, and property under capital lease agreements, are recorded at cost less accumulated depreciation. The Company records depreciation and amortization in its consolidated statements of operations as either Cost of sales, Selling, general and administrative expenses or Research and development expenses consistent with the utilization of the underlying assets. Depreciation is calculated on a straight-line basis over the following estimated useful lives of depreciable assets:

Land improvements	20 years
Buildings and improvements	30 years
Machinery and equipment	20 years

Leasehold improvements are amortized over 10 years or the remaining life of the respective lease, whichever is shorter.

Accelerated depreciation is recorded when the estimated useful life is shortened. Ordinary repair and maintenance costs, including costs for planned maintenance turnarounds, that do not extend the useful life of the asset are charged to earnings as incurred. Fully depreciated assets are retained in property and depreciation accounts until sold or otherwise disposed. In the case of disposals, assets and related depreciation are removed from the accounts, and the net amounts, less proceeds from disposal, are included in earnings.

The Company assesses the recoverability of the carrying amount of its property, plant and equipment whenever events or changes in circumstances indicate that the carrying amount of an asset or asset group may not be recoverable. An impairment loss would be assessed when estimated undiscounted future cash flows from the operation and disposition of the asset group are less than the carrying amount of the asset group. Asset groups have identifiable cash flows and are largely independent of other asset groups. Measurement of an impairment loss is based on the excess of the carrying amount of the asset group over its fair value. The Company calculates the fair value using a discounted cash flow model incorporating discount rates commensurate with the risks involved for the asset group. This fair value measurement is classified as a Level 3 fair value measurement. The key assumptions used in the discounted cash flow valuation model include discount rates, growth rates, cash flow projections and terminal value rates. Discount rates, growth rates and cash flow projections involve significant judgment and are based on management's estimate of current and forecasted market conditions and cost structure. Impairment losses are generally recorded to Other (charges) gains, net in the consolidated statements of operations.

Goodwill and Intangible Assets, Net

The Company assesses the recoverability of the carrying amount of its reporting unit goodwill and indefinite-lived intangible assets either qualitatively or quantitatively annually during the third quarter of its fiscal year using June 30 balances or whenever events or changes in circumstances indicate that the carrying amount of the asset may not be fully recoverable. The

Company assesses the recoverability of finite-lived intangible assets in the same manner as for property, plant and equipment, as described above. Impairment losses are generally recorded to Other (charges) gains, net in the consolidated statements of operations.

[Table of Contents](#)

- ***Goodwill***

Recoverability of the carrying amount of goodwill is measured at the reporting unit level. In performing a quantitative analysis, the Company measures the recoverability of goodwill for each reporting unit using a discounted cash flow model incorporating discount rates commensurate with the risks involved, which is classified as a Level 3 fair value measurement. The key assumptions used in the discounted cash flow valuation model include discount rates, growth rates, tax rates, cash flow projections and terminal value rates. Discount rates, growth rates and cash flow projections are the most sensitive and susceptible to change as they require significant management judgment. The Company may engage third-party valuation consultants to assist with this process.

- ***Indefinite-lived Intangible Assets***

Management tests indefinite-lived intangible assets for impairment quantitatively utilizing the relief from royalty method under the income approach to determine the estimated fair value for each indefinite-lived intangible asset, which is classified as a Level 3 fair value measurement. The relief from royalty method estimates the Company's theoretical royalty savings from ownership of the intangible asset. The key assumptions used in this model include discount rates, royalty rates, growth rates, tax rates, sales projections and terminal value rates. Discount rates, royalty rates, growth rates and sales projections are the assumptions most sensitive and susceptible to change as they require significant management judgment. Discount rates used are similar to the rates estimated by the weighted average cost of capital ("WACC") considering any differences in company-specific risk factors. Royalty rates are established by management and are periodically substantiated by third-party valuation consultants.

- ***Definite-lived Intangible Assets***

Customer-related intangible assets and other intangible assets with finite lives are amortized on a straight-line basis over their estimated useful lives, which range from four to 20 years.

Derivative and Hedging Instruments

The Company manages its exposures to interest rates, foreign exchange rates and commodity prices through a