

UNITED TECHNOLOGIES CORP /DE/

FORM 10-K (Annual Report)

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**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, 2015**

Commission file number 1-812

UNITED TECHNOLOGIES CORPORATION

(Exact name of registrant as specified in its charter)

DELAWARE
(State or Other Jurisdiction of
Incorporation or Organization)

06-0570975
(I.R.S. Employer
Identification No.)

10 Farm Springs Road, Farmington, Connecticut
(Address of principal executive offices)

06032
(Zip Code)

Registrant's telephone number, including area code (860) 728-7000

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

<u>Title of each class</u>	<u>Name of each exchange on which registered</u>
Common Stock (\$1 par value) (CUSIP 913017 10 9)	New York Stock Exchange
1.250% Notes due 2023 (CUSIP U91301 AD0)	New York Stock Exchange

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 Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§232.405 of this chapter) is not contained herein, and will not be contained, to the best of 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	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input type="checkbox"/>

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 voting Common Stock held by non-affiliates at June 30, 2015 was approximately \$ 98,745,805,884 , based on the New York Stock Exchange closing price for such shares on that date. For purposes of this calculation, the Registrant has assumed that its directors and executive

officers are affiliates.

At January 31, 2016 , there were 836,432,010 shares of Common Stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Parts I, II and IV hereof incorporate by reference portions of the United Technologies Corporation 2015 Annual Report to Shareowners. Part III hereof incorporates by reference portions of the United Technologies Corporation Proxy Statement for the 2016 Annual Meeting of Shareowners.

UNITED TECHNOLOGIES CORPORATION
AND SUBSIDIARIES

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Year Ended December 31, 2015

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UNITED TECHNOLOGIES CORPORATION

**Annual Report on Form 10-K for
Year Ended December 31, 2015**

Whenever reference is made in this Form 10-K to specific sections of United Technologies Corporation's 2015 Annual Report to Shareowners (2015 Annual Report), those sections are incorporated herein by reference, and are included in Exhibit 13 to this Form 10-K. United Technologies Corporation and its subsidiaries' names, abbreviations thereof, logos, and product and service designators are all either the registered or unregistered trademarks or tradenames of United Technologies Corporation and its subsidiaries. Names, abbreviations of names, logos, and product and service designators of other companies are either the registered or unregistered trademarks or tradenames of their respective owners. As used herein, the terms "we," "us," "our," "the Company," or "UTC," unless the context otherwise requires, mean United Technologies Corporation and its subsidiaries. References to internet web sites in this Form 10-K are provided for convenience only. Information available through these web sites is not incorporated by reference into this Form 10-K.

PART I

Item 1. Business

General

United Technologies Corporation was incorporated in Delaware in 1934. UTC provides high technology products and services to the building systems and aerospace industries worldwide. Growth is attributable primarily to the internal development of our existing businesses and to acquisitions. The following description of our business should be read in conjunction with "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our 2015 Annual Report, including the information contained therein under the heading "Business Overview."

Our financial reporting segments include businesses with operations throughout the world. Otis and UTC Climate, Controls & Security (collectively, referred to as the "commercial businesses") serve customers in the commercial, government, infrastructure and residential property sectors worldwide. UTC Climate, Controls & Security also serves industrial, transport refrigeration and food service equipment customers. On September 10, 2015, we announced a change in organizational structure and now operate Otis and UTC Climate, Controls & Security as stand-alone businesses that are no longer combined as UTC Building & Industrial Systems. Otis and UTC Climate, Controls & Security each continue to report their financial and operational results as separate segments, which is consistent with how we allocate resources and measure the financial performance of these businesses. Following that change, Otis and UTC Climate, Controls & Security continue to share certain support and building systems strategic functions in order to retain efficiencies achieved under the UTC Building & Industrial Systems organization.

Pratt & Whitney and UTC Aerospace Systems (collectively referred to as the "aerospace businesses") primarily serve commercial and government customers in both the original equipment and aftermarket parts and services markets of the aerospace industry. Pratt & Whitney also provides products to certain industrial markets. In January 2015, UTC announced that it would streamline its aerospace operations by eliminating the UTC Propulsion & Aerospace Systems organization, which had previously overseen the Pratt & Whitney and UTC Aerospace Systems segments. Pratt & Whitney and UTC Aerospace Systems will continue to operate as stand-alone businesses. On November 6, 2015, UTC completed the sale of the Sikorsky Aircraft business (collectively, referred to as "Sikorsky") to Lockheed Martin Corp. ("Lockheed Martin"). Prior to the sale, Sikorsky had been classified as a fifth business segment of UTC. For more information regarding Sikorsky, see "Other" below.

For 2015, our commercial and industrial sales (generated principally by the commercial businesses) were approximately 52 percent of our consolidated sales, and our commercial aerospace sales and military aerospace sales (generated exclusively by our aerospace businesses) were approximately 36 percent and 12 percent, respectively, of our consolidated sales. International sales for 2015, including U.S. export sales, were 62 percent of our total segment sales.

This Form 10-K and our quarterly reports on Form 10-Q, current reports on Form 8-K and all amendments to those reports are available free of charge through the Investor Relations section of our Internet website (<http://www.utc.com>) under the heading "SEC Filings" as soon as reasonably practicable after these reports are electronically filed with, or furnished to, the Securities and Exchange Commission (SEC). Our SEC filings are also available for reading and copying at the SEC's Public Reference Room at 100 F Street, NE, Washington, D.C. 20549. Information on the operation of the Public Reference Room may be obtained by calling the SEC at 1-800-SEC-0330. In addition, the SEC maintains an Internet site (<http://www.sec.gov>)

containing reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

Description of Business by Segment

Our operations for the periods presented herein are classified into four segments: Otis, UTC Climate, Controls & Security, Pratt & Whitney, and UTC Aerospace Systems, with each segment comprised of groups of similar operating companies. References to each segment include the various operating companies established worldwide through which the operations for each segment are conducted. Each segment's business, including its principal products and services and other material developments and information, is described below.

Segment financial data for the years 2013 through 2015, including financial information about foreign and domestic operations and export sales, appears in Note 18 to the Consolidated Financial Statements in our 2015 Annual Report. Segment sales as discussed below include intercompany sales, which are ultimately eliminated within the "Eliminations and other" category as reflected in the segment financial data in Note 18 to the Consolidated Financial Statements in our 2015 Annual Report. Similarly, total segment backlog as discussed below includes intercompany backlog, as well as fully-funded government orders.

Otis

Otis is the world's largest elevator and escalator manufacturing, installation and service company. Otis designs, manufactures, sells and installs passenger and freight elevators for low-, medium- and high-speed applications, as well as a broad line of escalators and moving walkways. In addition to new equipment, Otis provides modernization products to upgrade elevators and escalators as well as maintenance and repair services for both its products and those of other manufacturers. Otis serves customers in the commercial and residential property industries around the world. Otis sells directly to the end customer and through sales representatives and distributors.

Sales generated by Otis' international operations were 77 percent and 81 percent of total Otis segment sales in 2015 and 2014, respectively. At December 31, 2015, Otis' backlog was \$15.0 billion as compared to \$15.3 billion at December 31, 2014. Of the total Otis backlog at December 31, 2015, approximately \$8.1 billion is expected to be realized as sales in 2016.

UTC Climate, Controls & Security

UTC Climate, Controls & Security is a leading provider of heating, ventilating, air conditioning (HVAC) and refrigeration solutions, including controls for residential, commercial, industrial and transportation applications. These products and services are sold under the Carrier name and other brand names to building contractors and owners, homeowners, transportation companies, retail stores and food service companies. UTC Climate, Controls & Security is also a global provider of security and fire safety products and services. UTC Climate, Controls & Security provides electronic security products such as intruder alarms, access control systems and video surveillance systems and designs and manufactures a wide range of fire safety products including specialty hazard detection and fixed suppression products, portable fire extinguishers, and fire detection and life safety systems. Services provided to the electronic security and fire safety industries include systems integration, video surveillance, installation, maintenance, and inspection services. In certain markets, UTC Climate, Controls & Security also provides monitoring and response services, to complement its electronic security and fire safety businesses. Through its venture with Watsco, Inc., UTC Climate, Controls & Security distributes Carrier, Bryant, Payne and Totaline residential and light commercial HVAC products in certain parts of the U.S., Canada and certain territories in the Caribbean and Latin America. UTC Climate, Controls & Security sells directly to end customers and through other joint ventures, manufacturer's representatives, distributors, wholesalers, dealers and retail outlets. Certain UTC Climate, Controls & Security HVAC businesses are seasonal and sales and service activity can be impacted by weather. UTC Climate, Controls & Security customarily offers its customers incentives to purchase products to ensure an adequate supply of its products in the distribution channels. The principal incentive program provides reimbursements to distributors for offering promotional pricing on UTC Climate, Controls & Security products. UTC Climate, Controls & Security products and services are used by governments, financial institutions, architects, building owners and developers, security and fire consultants, homeowners and other end-users requiring a high level of security and fire protection for their businesses and residences. UTC Climate, Controls & Security provides its security and fire safety products and services under Chubb, Kidde and other brand names and sells directly to customers as well as through manufacturer's representatives, distributors, dealers and U.S. retail distribution.

Sales generated by UTC Climate, Controls & Security's international operations, including U.S. export sales, were 56 percent and 59 percent of total UTC Climate, Controls & Security segment sales in 2015 and 2014, respectively. At

December 31, 2015, UTC Climate, Controls & Security's backlog was \$3.1 billion as compared to \$3.4 billion at December 31, 2014. Substantially all of the backlog at December 31, 2015 is expected to be realized as sales in 2016.

Pratt & Whitney

Pratt & Whitney is among the world's leading suppliers of aircraft engines for the commercial, military, business jet and general aviation markets. Pratt & Whitney also provides fleet management services and aftermarket maintenance, repair and overhaul services, including the sale of spare parts, auxiliary power units and industrial gas generators. Pratt & Whitney produces families of large engines for wide- and narrow-body and large regional aircraft in the commercial market and for fighter and transport aircraft in the military market. Pratt & Whitney Canada (P&WC) is a world leader in the production of engines powering general and business aviation, as well as regional airline, utility and military, airplanes and helicopters.

In view of the risks and costs associated with developing new engines, Pratt & Whitney has entered into collaboration arrangements in which sales, costs and risks are shared with third parties. At December 31, 2015, the interests of third party participants in Pratt & Whitney-directed commercial jet engine programs ranged from approximately 14 percent to 50 percent. See Note 1 to the Consolidated Financial Statements in our 2015 Annual Report for a description of our accounting for collaborative arrangements. In addition, Pratt & Whitney has interests in other engine programs, including a 50 percent ownership interest in the Engine Alliance (EA), a joint venture with GE Aviation, which markets and manufactures the GP7000 engine for the Airbus A380 aircraft. Pratt & Whitney has entered into risk and revenue sharing arrangements with third parties for 40 percent of the products and services that Pratt & Whitney is responsible for providing to the EA. Pratt & Whitney accounts for its interests in the EA joint venture under the equity method of accounting. Pratt & Whitney continues to pursue additional collaboration partners.

Pratt & Whitney holds a net 61 percent program share interest in the IAE International Aero Engines AG (IAE) collaboration with MTU Aero Engines AG (MTU) and Japanese Aero Engines Corporation (JAEC). As previously reported in June 2012, Rolls-Royce sold its collaboration interest in IAE to Pratt & Whitney, while also entering into an agreement to license its V2500 intellectual property to Pratt & Whitney. Rolls-Royce continues to support the program as a strategic supplier for the V2500 engine and continues to manufacture parts and assemble engines.

The development of new engines and improvements to current production engines present important growth opportunities. Pratt & Whitney is under contract with the U.S. Government's F-35 Joint Program Office to develop, produce, and sustain the F135 engine, a derivative of Pratt & Whitney's F119 engine, to power the single-engine F-35 Lightning II aircraft (commonly known as the Joint Strike Fighter) being developed and produced by Lockheed Martin. The two F135 propulsion system configurations for the F-35A/F-35C and F-35B jets are certified for production and in use by the U.S. Air Force and the U.S. Marine Corps. F135 engines are also used on F-35 aircraft purchased by Joint Strike Fighter partner countries and foreign military sales countries.

In addition, Pratt & Whitney is currently developing technology, including the PurePower® PW1000G Geared TurboFan engine, intended to enable it to power both currently-proposed and future aircraft. The PurePower® PW1000G engine targets a significant reduction in fuel burn and noise levels with lower environmental emissions and operating costs than current production engines. Airbus has selected the PW1100G-JM engine, a member of the PurePower® PW1000G engine family, as a new engine option to power its A320neo family of aircraft, which entered into service in January 2016. The PW1100G-JM is being developed as part of a collaboration with MTU and JAEC. Additionally, PurePower® PW1000G engine models have been selected by Bombardier to power the new CSeries passenger aircraft, Mitsubishi Aircraft Corporation to power the new Mitsubishi Regional Jet, Irkut Corporation to power the new Irkut MC-21 passenger aircraft and Embraer to power the next generation of Embraer's E-Jet family of aircraft. In October 2014, Gulfstream announced the selection of the PurePower® PW 800 engine to exclusively power Gulfstream's new G500 and G600 business jets scheduled to enter service in 2018. The CSeries (CS100) aircraft was certified in December 2015, and Bombardier has announced that it expects the larger CSeries (CS300) aircraft to be certified in the the first half of 2016. The Irkut MC-21 is scheduled to enter service in 2017. The Mitsubishi Regional Jet and Embraer's next generation of E-Jet family aircraft are scheduled to enter service in 2018. The success of these aircraft and the PurePower® family of engines is dependent upon many factors including technological accomplishments, program execution, aircraft demand, and regulatory approval. Based on these factors, as well as the level of success of aircraft program launches by aircraft manufacturers and other conditions, additional investment in the PurePower® program may be required. P&WC has developed and certified the PW210 engine family for helicopters manufactured by Sikorsky and AgustaWestland. Pratt & Whitney continues to enhance its programs through performance improvement measures and product base expansion.

Pratt & Whitney's products are sold principally to aircraft manufacturers, airlines and other aircraft operators, aircraft leasing companies and the U.S. and foreign governments. Pratt & Whitney's products and services must adhere to strict regulatory and market-driven safety and performance standards. The frequently changing nature of these standards, along with

the long duration of aircraft engine development, production and support programs, creates uncertainty regarding engine program profitability. Sales to Airbus (Pratt & Whitney's largest customer by sales) were 39 percent and 41 percent of total Pratt & Whitney segment sales in 2015 and 2014, respectively, before taking into account discounts or financial incentives offered to customers. Sales to the U.S. Government were 21 percent and 22 percent of total Pratt & Whitney segment sales in 2015 and 2014, respectively.

Sales generated by Pratt & Whitney's international operations, including U.S. export sales, were 60 percent and 62 percent of total Pratt & Whitney segment sales in 2015 and 2014, respectively. At December 31, 2015, Pratt & Whitney's backlog was \$52.5 billion, including \$4.4 billion of U.S. Government-funded contracts and subcontracts. At December 31, 2014, these amounts were \$50.2 billion and \$4.2 billion, respectively. Of the total Pratt & Whitney backlog at December 31, 2015, approximately \$8.8 billion is expected to be realized as sales in 2016. Pratt & Whitney's backlog includes certain contracts for which actual costs may ultimately exceed total sales. Pratt & Whitney's backlog excludes orders for new commercial engines that have not yet received aviation authority engine certification. The PurePower® PW1100G-JM engine completed Federal Aviation Agency (FAA) certification for the Airbus A320neo platform on December 19, 2014 and entered into service in January 2016. See Note 1 to the Consolidated Financial Statements in our 2015 Annual Report for a description of our accounting for long-term contracts.

UTC Aerospace Systems

UTC Aerospace Systems is a leading global provider of technologically advanced aerospace products and aftermarket service solutions for aircraft manufacturers, airlines, regional, business and general aviation markets, military, space and undersea operations. UTC Aerospace Systems' product portfolio includes electric power generation, power management and distribution systems, air data and flight sensing and management systems, engine control systems, electric systems, intelligence, surveillance and reconnaissance systems, engine components, environmental control systems, fire and ice detection and protection systems, propeller systems, aircraft aerostructures including engine nacelles, thrust reversers, and mounting pylons, interior and exterior aircraft lighting, aircraft seating and cargo systems, actuation systems, landing systems, including landing gears, wheels and brakes, and space products and subsystems. Aftermarket services include spare parts, overhaul and repair, engineering and technical support and fleet management solutions. UTC Aerospace Systems sells aerospace products to aircraft manufacturers, airlines and other aircraft operators, the U.S. and foreign governments, maintenance, repair and overhaul providers, and independent distributors. UTC Aerospace Systems' largest customers are Boeing and Airbus with a combined 31 percent and 29 percent of total UTC Aerospace Systems segment sales in 2015 and 2014, respectively. Sales to the U.S. Government were 19 percent of total UTC Aerospace Systems segment sales in 2015 and 2014.

UTC Aerospace Systems had product placements supporting first flight in 2015 of the Sikorsky CH-53K, Gulfstream G500, Boeing KC-46A, Embraer KC390, and Mitsubishi Regional Jet. In addition, UTC Aerospace Systems had product placement supporting the certification of the Airbus A320neo, the certification of the Bombardier CSeries (CS100), and Initial Operational Capability (IOC) of the F-35B STOVL.

Significant development activity continues in the commercial and military markets for the Airbus A350-1000 aircraft, Boeing 737MAX, 777X and 787-10 aircraft, the Bombardier CSeries (CS300) and Global 7000/8000 business jet, the COMAC C919 aircraft, the Embraer E-Jet E2 and KC-390 aircraft, the Irkut MC-21 aircraft, the Mitsubishi Regional Jet, the Gulfstream G500/600 aircraft, and SYERS-2 multispectral sensors. UTC Aerospace Systems is also the operations support prime contractor for NASA's space suit/life support system and produces environmental monitoring and control, life support, power management and distribution, and thermal control systems for the International Space Station and the Orion crew exploration vehicle.

Sales generated by UTC Aerospace Systems' international operations, including U.S. export sales, were 54 percent of total UTC Aerospace Systems segment sales in 2015 and 2014. At December 31, 2015, UTC Aerospace Systems' backlog was \$11.5 billion, including \$2.5 billion of U.S. Government-funded contracts and subcontracts. At December 31, 2014, these amounts were \$11.1 billion and \$2.3 billion, respectively. Of the total UTC Aerospace Systems backlog at December 31, 2015, approximately \$7.2 billion is expected to be realized as sales in 2016.

Other

On November 6, 2015, UTC completed its sale of Sikorsky to Lockheed Martin. Sikorsky manufactures military and commercial helicopters and also provides aftermarket helicopter and aircraft parts and services. The results of operations for Sikorsky and the related cash flows accordingly have been reclassified to "Discontinued Operations" in our Consolidated Statement of Operations and our Consolidated Statement of Cash Flows for all periods presented.

Other Matters Relating to Our Business as a Whole

Competition and Other Factors Affecting Our Businesses

As worldwide businesses, our operations can be affected by a variety of economic, industry and other factors, including those described in this section, in "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in our 2015 Annual Report, in Item 1, "Cautionary Note Concerning Factors That May Affect Future Results," and in Item 1A, "Risk Factors" in this Form 10-K. Each business unit is subject to significant competition from a large number of companies in the U.S. and other countries, and each competes on the basis of price, delivery schedule, product performance and service.

Our aerospace businesses are subject to substantial competition from domestic manufacturers, foreign manufacturers (whose governments sometimes provide research and development assistance, marketing subsidies and other assistance for certain of their commercial products beyond the assistance that may be available in the U.S.) and companies that obtain regulatory agency approval to manufacture spare parts. In particular, Pratt & Whitney experiences intense competition for new commercial airframe/engine combinations. Engine suppliers may offer substantial discounts and other financial incentives, performance and operating cost guarantees, and participation in financing arrangements, in an effort to compete for the aftermarket associated with these engines. For information regarding customer financing commitments, participation in guarantees of customer financing arrangements and performance and operating cost guarantees, primarily related to Pratt & Whitney, see Notes 5 and 16 to the Consolidated Financial Statements in our 2015 Annual Report. Customer selections of engines and components can also have a significant impact on later sales of parts and services. In addition, the U.S. Government's and other governments' policies of purchasing parts from suppliers other than the original equipment manufacturer affect military spare parts sales. Significant elements of our aerospace businesses, such as spare parts sales for engines and aircraft in service, have short lead times. Therefore, backlog information may not be indicative of future demand. Pratt & Whitney's major competitors in the sale of engines are GE Aviation, Rolls-Royce, Honeywell, Turbomeca, and CFM International.

Research and Development

Because changes in technology can have a significant impact on our operations and competitive position, we spend substantial amounts of our own funds on research and development. These expenditures, which are charged to expense as incurred, were \$2.3 billion or 4.1 percent of total sales in 2015, as compared with \$2.5 billion or 4.3 percent of total sales in 2014 and \$2.3 billion or 4.1 percent of total sales in 2013. We also perform research and development work under contracts funded by the U.S. Government and other customers. Costs incurred under this contract research and development, which is performed in our aerospace businesses, amounted to \$1.5 billion in 2015, as compared to \$2.0 billion in 2014 and \$1.8 billion in 2013. These contract research and development costs include amounts that are expensed as incurred, through cost of products sold, and amounts that are capitalized into inventory to be subsequently recovered through production shipments. Total contract research and development costs of \$1.6 billion, \$2.0 billion and \$1.8 billion were expensed through cost of products sold in 2015, 2014 and 2013, respectively.

U.S. Government Contracts

Contracting with the U.S. Government entails certain unique risks. U.S. Government contracts are subject to termination by the government, either for the convenience of the government or for default in the event of our failure to perform under the applicable contract. In the case of a termination for convenience, we would normally be entitled to reimbursement for our allowable costs incurred, plus termination costs and a reasonable profit. If terminated by the government as a result of our default, we could be liable for additional costs the government incurs in acquiring undelivered goods or services from another source and any other damages it suffers. Most of our U.S. Government sales are made under fixed-price type contracts, while approximately \$1.5 billion or 3 percent of our total sales for 2015 were made under cost-reimbursement type contracts.

Our contracts with the U.S. Government are also subject to audits. Like many defense contractors, we have received audit reports, which recommend that certain contract prices should be reduced, or that certain payments should be delayed or withheld, to comply with various government regulations, including reports alleging that cost or pricing data we submitted in negotiation of the contract prices or cost accounting practices may not have conformed to government regulations. Some of these audit reports involved substantial amounts. We have made voluntary refunds in those cases we believe appropriate, have settled some allegations and continue to litigate certain cases. For further discussion of risks related to government contracting, see the discussion in Item 1A, "Risk Factors" and Item 3, "Legal Proceedings," in this Form 10-K and Note 17 to the Consolidated Financial Statements in our 2015 Annual Report for further discussion.

Compliance with Environmental and Other Government Regulations

Our operations are subject to and affected by environmental regulation by federal, state and local authorities in the U.S. and regulatory authorities with jurisdiction over our foreign operations. We have incurred and will likely continue to incur liabilities under various government statutes for the cleanup of pollutants previously released into the environment. We do not anticipate that compliance with current provisions relating to the protection of the environment or that any payments we may be required to make for cleanup liabilities will have a material adverse effect upon our cash flows, competitive position, financial condition or results of operations. Environmental matters are further addressed in "Management's Discussion and Analysis of Financial Condition and Results of Operations" and Notes 1 and 17 to the Consolidated Financial Statements in our 2015 Annual Report.

Most of the U.S. laws governing environmental matters include criminal provisions. If we were convicted of a violation of the federal Clean Air Act or Clean Water Act, the facility or facilities involved in the violation would be ineligible to be used in performing any U.S. Government contract we are awarded until the Environmental Protection Agency thereafter certifies that the condition giving rise to the violation had been corrected.

In addition, we could be affected by future laws or regulations imposed in response to concerns over climate change. Changes in climate change concerns, or in the regulation of such concerns, including greenhouse gas emissions, could subject us to additional costs and restrictions, including compliance costs and increased energy and raw materials costs.

We conduct our businesses through subsidiaries and affiliates worldwide. Changes in legislation or government policies can affect our worldwide operations. For example, governmental regulation of refrigerants and energy efficiency standards and fire safety regulations are important to our UTC Climate, Controls & Security businesses, and elevator safety codes are important to the businesses of Otis, while government safety and performance regulations, restrictions on aircraft engine noise and emissions and government procurement practices can impact our aerospace businesses.

U.S. laws, regulations, orders, and other measures concerning the export or re-export of products, software, services and technology to, and other trade-related activities involving, non-U.S. countries and parties affect the operations of UTC and its affiliates. These measures include U.S. economic sanctions targeting Iran.

Intellectual Property and Raw Materials and Supplies

We maintain a portfolio of patents, trademarks, copyrights, trade secrets, licenses and franchises related to our businesses. While we believe we have taken reasonable measures to protect this portfolio, our efforts may not be sufficient. See Item 1A "Risk Factors" in this Form 10-K for further discussion of intellectual property matters.

We believe we have adequate sources for our purchases of materials, components, services and supplies used in our manufacturing. We work continuously with our supply base to ensure an adequate source of supply and to reduce costs. We pursue cost reductions through a number of mechanisms, including consolidating our purchases, reducing the number of suppliers, strategic global sourcing and using bidding competitions among potential suppliers. In some instances, we depend upon a single source of supply or participate in commodity markets that may be subject to allocations of limited supplies by suppliers. Like other users in the U.S., we are largely dependent upon foreign sources for certain raw materials requirements such as cobalt, tantalum, chromium, rhenium and nickel. We have a number of ongoing programs to manage this dependence and the accompanying risk, including long-term agreements and the conservation of materials through scrap reclamation and new manufacturing processes. We believe that our supply management practices are based on an appropriate balancing of the foreseeable risks and the costs of alternative practices. Although at times high prices for some raw materials important to our businesses (for example, steel, copper, aluminum, titanium and nickel) have caused margin and cost pressures, we do not foresee near term unavailability of materials, components or supplies that would have a material adverse effect on our competitive position, results of operations, cash flows or financial condition. For further discussion of the possible effects of the cost and availability of raw materials on our business, see Item 1A, "Risk Factors" in this Form 10-K.

Employees and Employee Relations

At December 31, 2015, our total number of employees was approximately 197,000, approximately 68 percent of which represents employees based outside the U.S. During 2015, we negotiated or concluded 12 domestic collective bargaining agreements, the largest of which covered certain workers at UTC Climate, Controls & Security's Carrier facility in Collierville, Tennessee. In 2016, numerous collective bargaining agreements are subject to renegotiation, the largest of which covers certain workers at Pratt & Whitney's Connecticut locations. Although some previous contract renegotiations have had a significant impact on our financial condition or results of operations, we do not anticipate that the renegotiation of these contracts in 2016 will have a material adverse effect on our competitive position, cash flows, financial condition or results of operations. For discussion of the effects of our restructuring actions on employment, see Item 1A, "Risk Factors" in this Form 10-K and under

"Management's Discussion and Analysis of Financial Condition and Results of Operations" and Note 13 to the Consolidated Financial Statements in our 2015 Annual Report.

For a discussion of other matters which may affect our competitive position, cash flows, financial condition or results of operations, including the risks of our international operations, see the further discussion under the headings "General" and "Description of Business by Segment" in this section, Item 1A, "Risk Factors" in this Form 10-K, and under "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our 2015 Annual Report.

Cautionary Note Concerning Factors That May Affect Future Results

This Form 10-K contains statements which, to the extent they are not statements of historical or present fact, constitute "forward-looking statements" under the securities laws. From time to time, oral or written forward-looking statements may also be included in other information released to the public. These forward-looking statements are intended to provide management's current expectations or plans for our future operating and financial performance, based on assumptions currently believed to be valid. Forward-looking statements can be identified by the use of words such as "believe," "expect," "expectations," "plans," "strategy," "prospects," "estimate," "project," "target," "anticipate," "will," "should," "see," "guidance," "confident" and other words of similar meaning in connection with a discussion of future operating or financial performance. Forward-looking statements may include, among other things, statements relating to future sales, earnings, cash flow, results of operations, uses of cash, share repurchases and other measures of financial performance or potential future plans, strategies or transactions. All forward-looking statements involve risks, uncertainties and other factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements. For those statements, we claim the protection of the safe harbor for forward-looking statements contained in the U.S. Private Securities Litigation Reform Act of 1995. Such risks, uncertainties and other factors include, without limitation:

- the effect of economic conditions in the industries and markets in which we operate in the U.S. and globally and any changes therein, including financial market conditions, fluctuations in commodity prices, interest rates and foreign currency exchange rates, levels of end market demand in construction and in both the commercial and defense segments of the aerospace industry, levels of air travel, financial condition of commercial airlines, the impact of weather conditions and natural disasters and the financial condition of our customers and suppliers;
- challenges in the development, production, delivery, support, performance and realization of the anticipated benefits of advanced technologies and new products and services;
- future levels of indebtedness and capital spending and research and development spending;
- future availability of credit and factors that may affect such availability, including credit market conditions and our capital structure;
- delays and disruption in delivery of materials and services from suppliers;
- customer- and Company- directed cost reduction efforts and restructuring costs and savings and other consequences thereof;
- the scope, nature, impact or timing of acquisition and divestiture activity, including among other things integration of acquired businesses into our existing businesses and realization of synergies and opportunities for growth and innovation;
- new business opportunities;
- our ability to realize the intended benefits of organizational changes;
- the anticipated benefits of diversification and balance of operations across product lines, regions and industries;
- the timing and scope of future repurchases of our common stock;
- the outcome of legal proceedings, investigations and other contingencies;
- pension plan assumptions and future contributions;
- the impact of the negotiation of collective bargaining agreements and labor disputes;
- the effect of changes in political conditions in the U.S. and other countries in which we operate; and
- the effect of changes in tax, environmental, regulatory (including among other things import/export) and other laws and regulations in the U.S. and other countries in which we operate.

In addition, this Form 10-K includes important information as to risks, uncertainties and other factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements. See the "Notes to Consolidated Financial Statements" under the heading "Note 17: Contingent Liabilities," the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" under the headings "Business Overview," "Results of Operations,"

"Liquidity and Financial Condition," and "Critical Accounting Estimates," and the section titled "Risk Factors." This Form 10-K also includes important information as to these factors in the "Business" section under the headings "General," "Description of Business by Segment" and "Other Matters Relating to Our Business as a Whole," and in the "Legal Proceedings" section. Additional important information as to these factors is included in our 2015 Annual Report in the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" under the headings "Restructuring Costs," "Environmental Matters" and "Governmental Matters." The forward-looking statements speak only as of the date of this report or, in the case of any document incorporated by reference, the date of that document. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law. Additional information as to factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements is disclosed from time to time in our other filings with the SEC.

Item 1A. Risk Factors

Our business, financial condition, operating results and cash flows can be impacted by the factors set forth below, any one of which could cause our actual results to vary materially from recent results or from our anticipated future results.

Our Global Growth May be Affected by Global Economic, Capital Market and Political Conditions.

Our business, financial condition, operating results and cash flows may be adversely affected by changes in global economic conditions and geopolitical risks, including credit market conditions, levels of consumer and business confidence, commodity prices, exchange rates, levels of government spending and deficits, political conditions, actual or anticipated default on sovereign debt and other challenges that could affect the global economy. These economic conditions affect businesses such as ours in a number of ways. The tightening of credit in financial markets adversely affects the ability of our customers and suppliers to obtain financing for significant purchases and operations and could result in a decrease in or cancellation of orders for our products and services as well as impact the ability of our customers to make payments. Similarly, this tightening of credit may adversely affect our supplier base and increase the potential for one or more of our suppliers to experience financial distress or bankruptcy. Our global business is also adversely affected by decreases in the general level of economic activity, such as decreases in business and consumer spending, air travel, construction activity, the financial strength of airlines and business jet operators, and government procurement.

Our Financial Performance Is Dependent on the Conditions of the Construction and Aerospace Industries.

The results of our commercial and industrial businesses, which generated approximately 52 percent of our consolidated sales in 2015, are influenced by a number of external factors including fluctuations in residential and commercial construction activity, regulatory changes, interest rates, labor costs, foreign currency exchange rates, customer attrition, raw material and energy costs, global credit market conditions, and other global and political factors. For example, a slowdown in building and remodeling activity can adversely affect the financial performance of Otis and UTC Climate, Controls & Security. In addition, the financial performance of UTC Climate, Controls & Security can also be influenced by production and utilization of transport equipment and, particularly in its residential business, weather conditions.

The results of our commercial and military aerospace businesses, which generated approximately 48 percent of our consolidated sales in 2015, are directly tied to the economic conditions in the commercial aviation and defense industries, which are cyclical in nature. Although the operating environment currently faced by commercial airlines has shown significant improvement, uncertainty continues to exist. In addition, capital spending and demand for aircraft engines, aerospace products and component aftermarket parts and service by commercial airlines, aircraft operators and aircraft manufacturers are influenced by a wide variety of factors, including current and predicted traffic levels, load factors, aircraft fuel pricing, labor issues, worldwide airline profits, airline consolidation, bankruptcies, competition, the retirement of older aircraft, regulatory changes, terrorism and related safety concerns, general economic conditions, corporate profitability, cost reduction efforts and backlog levels. Any of these conditions could reduce the sales and margins of our aerospace businesses. Other factors, including future terrorist actions, pandemic health issues or major natural disasters, could also dramatically reduce the demand for air travel, which could negatively impact the sales and margins of our aerospace businesses. Additionally, because a substantial portion of the backlog for commercial aerospace customers is scheduled for delivery beyond 2016, changes in economic conditions may cause customers to request that firm orders be rescheduled or canceled. At times, our aerospace businesses also enter into firm fixed-price development contracts, which may require us to bear cost overruns related to unforeseen technical and design challenges that arise during the development stage of the program. In addition, our aerospace businesses face intense competition from domestic and foreign manufacturers of new equipment and spare parts. Spare parts sales and aftermarket service trends are affected by similar factors, including usage, pricing, technological improvements, regulatory changes and the retirement of older aircraft. Furthermore, because of the lengthy research and development cycle involved in bringing products in these business segments to market, we cannot predict the economic conditions that will exist when any new product is complete. A reduction in capital spending in the commercial aviation or defense industries could have

a significant effect on the demand for our products, which could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition. The defense industry is also affected by a changing global political environment, continued pressure on U.S. and global defense spending and U.S. foreign policy and the level of activity in military flight operations. U.S. Government deficit reduction measures, Congressional disputes over budgets and debt ceilings and the impact of sequestration have increased market uncertainty and adversely affected our military businesses. Should these factors continue and overall U.S. Government defense spending decline, it could result in significant reductions to revenue, cash flow, profit and backlog for our military businesses. One or more of the programs that we currently support or are currently pursuing could be phased-out or terminated. Reductions in these existing programs, unless offset by other programs and opportunities, could have a material adverse effect on our competitive position, cash flows, results of operations or financial condition.

Our Business May Be Affected by Government Contracting Risks.

U.S. Government contracts are subject to termination by the government, either for the convenience of the government or for default as a result of our failure to perform under the applicable contract. If terminated by the government as a result of our default, we could be liable for additional costs the government incurs in acquiring undelivered goods or services from another source and any other damages it suffers. We are now, and believe that in light of the current U.S. Government contracting environment we will continue to be, the subject of U.S. Government investigations relating to certain of our U.S. Government contracts. Such U.S. Government investigations often take years to complete and could result in administrative, civil or criminal liabilities, including repayments, fines, treble and other damages, forfeitures, restitution or penalties, or could lead to suspension or debarment of U.S. Government contracting or of export privileges. For instance, if we or one of our business units were charged with wrongdoing as a result of any U.S. Government investigation (including violation of certain environmental or export laws, as further described below), the U.S. Government could suspend us from bidding on or receiving awards of new U.S. Government contracts pending the completion of legal proceedings. If convicted or found liable, the U.S. Government could fine and debar us from new U.S. Government contracting for a period generally not to exceed three years. The U.S. Government also reserves the right to debar a contractor from receiving new government contracts for fraudulent, criminal or other seriously improper conduct. The U.S. Government could void any contracts found to be tainted by fraud. Our contracts with the U.S. Government are also subject to audits. Like many defense contractors, we have received audit reports, which recommend that certain contract prices should be reduced to comply with various government regulations, including because cost or pricing data we submitted in negotiation of the contract prices or cost accounting practices may not have conformed to government regulations, or that certain payments be delayed or withheld. Some of these audit reports involved substantial amounts.

Our International Operations Subject Us to Economic Risk As Our Results of Operations May Be Adversely Affected by Changes in Foreign Currency Fluctuations, Economic Conditions and Changes in Local Government Regulation.

We conduct our business on a global basis, with approximately 62 percent of our 2015 total segment sales derived from international operations, including U.S. export sales. Changes in local and regional economic conditions, including fluctuations in exchange rates, may affect product demand and reported profits in our non-U.S. operations (especially the commercial businesses and P&W Canada), where transactions are generally denominated in local currencies. In addition, currency fluctuations may affect the prices we pay suppliers for materials used in our products. As a result, our operating margins also may be negatively impacted by worldwide currency fluctuations that result in higher costs for certain cross border transactions. Our financial statements are denominated in U.S. Dollars. Accordingly, fluctuations in exchange rates may also give rise to translation gains or losses when financial statements of non-U.S. operating units are translated into U.S. Dollars. Given that the majority of our sales are non-U.S. based, a strengthening of the U.S. Dollar against other major foreign currencies could adversely affect our results of operations.

The majority of sales in the aerospace businesses are transacted in U.S. Dollars, consistent with established industry practice, while the majority of costs at locations outside the U.S. are incurred in the applicable local currency (principally the Euro, the Canadian Dollar, and the Polish Zloty). For operating units with U.S. Dollar sales and local currency costs, there is foreign currency exposure that could impact our results of operations depending on market changes in the exchange rate of the U.S. Dollar against the applicable foreign currencies. To manage certain exposures, we employ long-term hedging strategies associated with U.S. Dollar sales. See Note 1 and Note 14 to the Consolidated Financial Statements in our 2015 Annual Report for further discussion of our hedging strategies.

Our international sales and operations are subject to risks associated with changes in local government laws, regulations and policies, including those related to tariffs and trade barriers, investments, taxation, exchange controls, capital controls, employment regulations, and repatriation of earnings. Our international sales and operations are also sensitive to changes in foreign national priorities, including government budgets, as well as to political and economic instability. International transactions may involve increased financial and legal risks due to differing legal systems and customs in foreign countries. For

example, as a condition of sale or award of a contract, some international customers require us to agree to offset arrangements, which may include in-country purchases, manufacturing and financial support arrangements. The contract may provide for penalties in the event we fail to perform in accordance with the offset requirements.

In addition, as part of our globalization strategy, we have invested in certain countries, including Argentina, Brazil, China, India, Indonesia, Mexico, Poland, Russia, South Africa and countries in the Middle East, that carry high levels of currency, political, compliance and economic risk. We expect that sales to emerging markets will continue to account for a significant portion of our sales as our business evolves and as these and other developing nations and regions around the world increase their demand for our products. Emerging market operations can present many risks, including cultural differences (such as employment and business practices), volatility in gross domestic product, economic and government instability, and the imposition of exchange controls and capital controls. While these factors and their impact are difficult to predict, any one or more of them could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

We Use a Variety of Raw Materials, Supplier-Provided Parts, Components, Sub-Systems and Contract Manufacturing Services in Our Businesses, and Significant Shortages, Supplier Capacity Constraints, Supplier Production Disruptions or Price Increases Could Increase Our Operating Costs and Adversely Impact the Competitive Positions of Our Products.

Our reliance on suppliers (including third party contract manufacturing and logistics) and commodity markets to secure raw materials, parts, components and sub-systems used in our products exposes us to volatility in the prices and availability of these materials. In many instances, we depend upon a single source of supply, manufacturing, logistics support or assembly or participate in commodity markets that may be subject to allocations of limited supplies by suppliers. A disruption in deliveries from our suppliers, supplier capacity constraints, contract manufacturer production disruptions, closing or bankruptcy of our suppliers, price increases, or decreased availability of raw materials or commodities, could have a material adverse effect on our ability to meet our commitments to customers or increase our operating costs. We believe that our supply management and production practices are based on an appropriate balancing of the foreseeable risks and the costs of alternative practices. Nonetheless, price increases, supplier capacity constraints, supplier production disruptions or the unavailability of some raw materials may have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

We Engage in Acquisitions and Divestitures, and May Encounter Difficulties Integrating Acquired Businesses with, or Disposing of Divested Businesses From, Our Current Operations; Therefore, We May Not Realize the Anticipated Benefits of these Acquisitions and Divestitures.

We seek to grow through strategic acquisitions in addition to internal growth. In the past several years, we have made various acquisitions and have entered into joint venture arrangements intended to complement and expand our businesses, and expect to do so in the future. Our due diligence reviews may not identify all of the material issues necessary to accurately estimate the cost and potential loss contingencies of a particular transaction, including potential exposure to regulatory sanctions resulting from an acquisition target's previous activities. For example, we may incur unanticipated costs, expenses or other liabilities as a result of an acquisition target's violation of applicable laws, such as the U.S. Foreign Corrupt Practices Act (FCPA) or similar worldwide anti-bribery laws in non-U.S. jurisdictions. We may incur unanticipated costs or expenses, including post-closing asset impairment charges, expenses associated with eliminating duplicate facilities, litigation, and other liabilities. We also may encounter difficulties in integrating acquisitions with our operations, applying our internal controls processes to these acquisitions, or in managing strategic investments. Additionally, we may not realize the degree or timing of benefits we anticipate when we first enter into a transaction. Any of the foregoing could adversely affect our business and results of operations. In addition, accounting requirements relating to business combinations, including the requirement to expense certain acquisition costs as incurred, may cause us to incur greater earnings volatility and generally lower earnings during periods in which we acquire new businesses. Furthermore, we make strategic divestitures from time to time. Our divestitures may result in continued financial exposure to the divested businesses, such as through guarantees or other financial arrangements or continued supply and services arrangements, following the transaction. Under these arrangements, nonperformance by those divested businesses could result in obligations being imposed on us and could have a material adverse effect on our competitive position, cash flows, results of operations, or financial condition. The success of future acquisitions and divestitures will depend on the satisfaction of conditions precedent to, and consummation of, the pending transactions, the timing of consummation of these pending transactions, and the ability of the parties to secure any required regulatory approvals in a timely manner, among other things.

Our Debt Levels and Related Debt Service Obligations Could Have Negative Consequences; Our Ability to Access Debt May Be Affected by Changes in Global Capital Markets, Our Financial Performance or Outlook or Our Credit Ratings.

We have outstanding debt and other financial obligations and significant unused borrowing capacity. Our debt level and related debt service obligations could have negative consequences, including, among others:

- requiring us to dedicate significant cash flow from operations to the payment of principal and interest on our debt, which would reduce funds we have available for other purposes, such as acquisitions and reinvestment in our businesses;
- reducing our flexibility in planning for or reacting to changes in our business and market conditions; and
- exposing us to interest rate risk because a portion of our debt obligations are at variable rates.

We depend, in part, upon the issuance of debt to fund our operations and contractual commitments. If we require additional funding in order to fund outstanding financing commitments or meet other business requirements, our market liquidity may not be sufficient. A number of factors could cause us to incur increased borrowing costs and to have greater difficulty accessing public and private markets for debt, including disruptions or declines in the global capital markets and/or a decline in our financial performance, outlook or credit ratings.

Quarterly Cash Dividends and Share Repurchases May Be Discontinued or Modified, Are Subject to a Number of Uncertainties and May Affect the Price of Our Common Stock.

Quarterly cash dividends and share repurchases under our share repurchase program constitute components of our capital allocation strategy, which we fund with free operating cash flow, borrowings and divestitures. However, we are not required to declare dividends or make any share repurchases under our share repurchase program. Dividends and share repurchases may be discontinued, accelerated, suspended or delayed at any time without prior notice. Even if not discontinued, the amount of such dividends and repurchases may be changed, and the amount, timing and frequency of such dividends and repurchases may vary from historical practice or from the company's stated expectations. Decisions with respect to dividends and share repurchases are subject to the discretion of our Board of Directors and will be based on a variety of factors. Important factors that could cause us to discontinue, limit, suspend, increase or delay our quarterly cash dividends or share repurchases include market conditions, the price of our common stock, the nature and timing of other investment opportunities, changes in our business strategy, the terms of our financing arrangements, our outlook as to the ability to obtain financing at attractive rates, the impact on our credit ratings and the availability of domestic cash.

The reduction or elimination of our cash dividend or share repurchase program could adversely affect the market price of our common stock. Additionally, repurchases of our shares will reduce the number of outstanding shares of our common stock. There can be no assurance that any share repurchases will enhance shareholder value because the market price of our common stock may decline below the levels at which we repurchased shares of common stock. Although our share repurchase program is intended to enhance long-term shareholder value, short-term stock price fluctuations could reduce the program's effectiveness.

See Item 5, "Market for Registrants Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities" in this Form 10-K for a description of our share repurchase program and past share repurchases, including our prior and pending accelerated share repurchase (ASR) transactions.

We Design, Manufacture and Service Products that Incorporate Advanced Technologies; The Introduction of New Products and Technologies Involves Risks and We May Not Realize the Degree or Timing of Benefits Initially Anticipated.

We seek to achieve growth through the design, development, production, sale and support of innovative products that incorporate advanced technologies. The product, program and service needs of our customers change and evolve regularly, and we invest substantial amounts in research and development efforts to pursue advancements in a wide range of technologies, products and services. Of particular note, Pratt & Whitney is currently developing the PurePower PW1000G Geared TurboFan engine to power various aircraft, including the A320neo family of aircraft, which entered into service in January 2016. The level of orders received for the PurePower family of engines coupled with a requirement to achieve mature production levels in a very short timeframe are necessitating significant additional manufacturing and supply chain capacity. If our production ramp-up efforts are delayed or if suppliers cannot timely deliver or perform to our standards, we may not meet customers' production schedules, which could result in material additional costs, including penalties that could be assessed under existing contractual provisions. Our ability to realize the anticipated benefits of our technological advancements depends on a variety of factors, including meeting development, production, certification and regulatory approval schedules; execution of internal and external

performance plans; availability of supplier and internally-produced parts and materials; performance of suppliers and subcontractors; hiring and training of qualified personnel; achieving cost and production efficiencies; identification of emerging technological trends in our target end-markets; validation of innovative technologies; the level of customer interest in new technologies and products; and customer acceptance of our products and products that incorporate technologies we develop. For example, certain of our aerospace products are incorporated into larger systems and end products manufactured by our customers. These systems and end products may incorporate additional technologies manufactured by third parties and involve additional risks and uncertainties. As a result, the performance and market acceptance of these larger systems and end products could affect the level of customer interest and acceptance of our own products in the marketplace.

Any development efforts divert resources from other potential investments in our businesses, and these efforts may not lead to the development of new technologies or products on a timely basis or meet the needs of our customers as fully as competitive offerings. In addition, the markets for our products or products that incorporate our technologies may not develop or grow as we anticipate. We or our customers, suppliers or subcontractors may encounter difficulties in developing and producing new products and services, and may not realize the degree or timing of benefits initially anticipated or may otherwise suffer significant adverse financial consequences. Due to the design complexity of our products, we may in the future experience delays in completing the development and introduction of new products. Any delays could result in increased development costs or deflect resources from other projects. In particular, we cannot predict with certainty whether, when and in what quantities our aerospace businesses will produce and sell aircraft engines, aircraft systems and components and other products currently in development or pending required certifications. Our contracts are typically awarded on a competitive basis. Our bids are based upon, among other items, the cost to provide the products and services. To generate an acceptable return on our investment in these contracts, we must be able to accurately estimate our costs to provide the services and deliver the products required by the contract and to be able to complete the contracts in a timely manner. If we fail to accurately estimate our costs or the time required to complete a contract, the profitability of our contracts may be materially and adversely affected. Some of our contracts provide for liquidated damages in the event that we are unable to perform and deliver in accordance with the contractual specifications and schedule. In addition, we may face customer directed cost reduction targets that could have a material adverse effect on the profitability of our contracts. Furthermore, we cannot be sure that our competitors will not develop competing technologies which gain market acceptance in advance of or instead of our products. The possibility exists that our competitors might develop new technology or offerings that might cause our existing technology and offerings to become obsolete. Any of the foregoing could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

Exports of Certain of Our Products Are Subject to Various Export Control Regulations and May Require a License From the U.S. Department of State, the U.S. Department of Commerce or the U.S. Department of the Treasury.

As an exporter, we must comply with various laws and regulations relating to the export of products, services and technology from the U.S. and other countries having jurisdiction over our operations. In the U.S., these laws include, among others, the U.S. Export Administration Regulations (EAR) administered by the U.S. Department of Commerce, Bureau of Industry and Security, the International Traffic in Arms Regulations (ITAR) administered by the U.S. Department of State, Directorate of Defense Trade Controls (DDTC), and trade sanctions, regulations and embargoes administered by the U.S. Department of the Treasury, Office of Foreign Assets Control. Certain of our products have military or strategic applications and are on the munitions list of the ITAR, or represent so-called "dual use" items governed by the EAR. As a result, these products require individual validated licenses in order to be exported to certain jurisdictions. Any failures to comply with these laws and regulations could result in civil or criminal penalties, fines, investigations, adverse publicity and restrictions on our ability to export our products, and repeat failures could carry more significant penalties. Any changes in export regulations may further restrict the export of our products. The length of time required by the licensing processes can vary, potentially delaying the shipment of products and the recognition of the corresponding revenue. Any restrictions on the export of our products or product lines could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

We Are Subject to Litigation, Environmental, Product Safety and Other Legal and Compliance Risks.

We are subject to a variety of litigation and legal compliance risks. These risks include, among other things, possible liability relating to product safety, personal injuries, intellectual property rights, contract-related claims, government contracts, taxes, environmental matters and compliance with U.S. and foreign laws, competition laws and laws governing improper business practices. We or one of our business units could be charged with wrongdoing as a result of such matters. If convicted or found liable, we could be subject to significant fines, penalties, repayments, other damages (in certain cases, treble damages). As a global business, we are subject to complex laws and regulations in the U.S. and other countries in which we operate. Those laws and regulations may be interpreted in different ways. They may also change from time to time, as may related interpretations and other guidance. Changes in laws or regulations could result in higher expenses and payments, and

uncertainty relating to laws or regulations may also affect how we conduct our operations and structure our investments and could limit our ability to enforce our rights. Changes in environmental and climate change laws or regulations, including laws relating to greenhouse gas emissions, could lead to new or additional investment in product designs and could increase environmental compliance expenditures. Changes in climate change concerns, or in the regulation of such concerns, including greenhouse gas emissions, could subject us to additional costs and restrictions, including increased energy and raw materials costs.

At times we are involved in disputes with private parties over environmental issues, including litigation over allocation of cleanup costs, alleged personal injuries and alleged property damages. Personal injury lawsuits may involve individual and purported class actions alleging that contaminants originating from our or our subsidiaries' current or former operating facilities caused or contributed to medical conditions, including cancers incurred by employees, former employees or residents in the area and environmental damage or diminution of real estate values. Even in litigation where we believe our liability is remote, there is a risk that a negative finding or decision in a matter involving multiple plaintiffs or a purported class action could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition, in particular with respect to environmental claims in regions where we have, or previously had, significant operations. Product recalls and product liability claims (including claims related to the safety or reliability of our products) also can result in significant costs, including fines, as well as negative publicity, management distraction and damage to our reputation that could reduce demand for our products and services. For a description of current material legal proceedings, see "Legal Proceedings" in in this Form 10-K and Note 17 to the Consolidated Financial Statements in our 2015 Annual Report.

In addition, the FCPA and other anti-bribery laws generally prohibit companies and their intermediaries from making improper payments to non-U.S. officials for the purpose of obtaining or retaining business. The FCPA applies to companies, individual directors, officers, employees and agents. Under the FCPA, U.S. companies may be held liable for actions taken by strategic or local partners or representatives. The FCPA also imposes accounting standards and requirements on publicly traded U.S. corporations and their foreign affiliates, which are intended to prevent the diversion of corporate funds to the payment of bribes and other improper payments. Certain of our customer relationships outside of the U.S. are with governmental entities and are therefore subject to the FCPA and foreign and other anti-bribery laws. Our policies mandate compliance with these anti-bribery laws. Despite meaningful measures that we undertake to seek to ensure lawful conduct, which include training and internal control policies, these measures may not always prevent our employees or agents from violating the FCPA or similar laws. As a result, we could be subject to criminal and civil penalties, disgorgement, further changes or enhancements to our procedures, policies and controls, personnel changes or other remedial actions. Violations of these laws, or allegations of such violations, could disrupt our operations, involve significant management distraction and result in a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

Additional Tax Expense or Additional Tax Exposures Could Affect Our Future Profitability.

We are subject to income taxes in the United States and various international jurisdictions. Changes in tax laws and regulations, as well as changes and conflicts in related interpretations and other tax guidance could materially impact our tax receivables and liabilities and our deferred tax assets and deferred tax liabilities. Additionally, in the ordinary course of business we are subject to examinations by various authorities, including tax authorities. In addition to ongoing investigations, there could be additional investigations launched in the future by governmental authorities in various jurisdictions, and existing investigations could be expanded. The global and diverse nature of our operations means that these risks will continue to exist and additional investigations, proceedings and contingencies will arise from time to time. Our competitive position, cash flows, results of operation or financial condition may be affected by the outcome of investigations, proceedings and other contingencies that cannot be predicted with certainty.

See Note 11 to the Consolidated Financial Statements in our 2015 Annual Report for further discussion on income taxes and related contingencies.

Our Defined Benefit Pension Plans are Subject to Financial Market Risk that Could Adversely Affect Our Results.

The performance of the financial markets and interest rates can impact our defined benefit pension plan expenses and funding obligations. Significant decreases in the discount rate or investment losses on plan assets may increase our funding obligations and adversely impact our financial results. See Note 12 to the Consolidated Financial Statements in our 2015 Annual Report for further discussion on pension plans and related obligations and contingencies.

We May Be Unable to Realize Expected Benefits From Our Cost Reduction and Restructuring Efforts and Our Profitability May Be Hurt or Our Business Otherwise Might Be Adversely Affected.

In order to operate more efficiently and control costs, we announce from time to time restructuring plans, which include workforce reductions as well as global facility consolidations and other cost reduction initiatives. These plans are intended to

generate operating expense savings through direct cost and indirect overhead expense reductions as well as other savings. We may undertake further workforce reductions or restructuring actions in the future. These types of cost reduction and restructuring activities are complex. If we do not successfully manage our current restructuring activities, or any other restructuring activities that we may undertake in the future, expected efficiencies and benefits might be delayed or not realized, and our operations and business could be disrupted. Risks associated with these actions and other workforce management issues include unforeseen delays in implementation of anticipated workforce reductions, additional unexpected costs, adverse effects on employee morale and the failure to meet operational targets due to the loss of employees, any of which may impair our ability to achieve anticipated cost reductions or may otherwise harm our business, which could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

Our Business and Financial Performance May Be Adversely Affected By Attacks on Information Technology Infrastructure and Other Cyber-based and Business Disruptions.

Our business may be impacted by disruptions, including information technology ("IT") attacks or failures, threats to physical security, as well as damaging weather or other acts of nature, pandemics or other public health crises. Cyber-based risks, in particular, are evolving and include, but are not limited to, both attacks to our IT infrastructure and attacks to the IT infrastructure of third parties in attempts to gain unauthorized access to our confidential or other proprietary information, classified information, or information relating to our employees, customers and other third parties. Cyber-based risks could also include attacks targeting the security, integrity and/or reliability of the hardware and software installed in our products, including after the purchase of those products and when they are incorporated into third party products, facilities or infrastructure. Such attacks could result in disruptions to systems (our own or that of third parties), unauthorized release of confidential or otherwise protected information and corruption of data (our own or that of third parties). We have experienced cyber-based attacks and may continue to experience them going forward, potentially with more frequency. We believe that we have adopted appropriate measures to mitigate potential risks to our technology, products, services and operations from these potential attacks. However, given the unpredictability of the timing, nature and scope of such attacks or other disruptions, we could potentially be subject to production downtimes, operational delays, other detrimental impacts on our operations or ability to provide products and services to our customers, the compromising of confidential or otherwise protected information, misappropriation, destruction or corruption of data, security breaches, other manipulation or improper use of our or third party systems, networks or products, financial losses from remedial actions, loss of business or potential liability, and/or damage to our reputation, any of which could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

We Depend On Our Intellectual Property, and Have Access to Certain Intellectual Property and Information of Our Customers and Suppliers; Infringement or Failure to Protect Our Intellectual Property Could Adversely Affect Our Future Growth and Success.

We rely on a combination of patents, trademarks, copyrights, trade secrets, nondisclosure agreements, information technology security systems, internal controls and compliance systems and other measures to protect our proprietary intellectual property. We also rely on nondisclosure agreements, information technology security systems and other measures to protect certain customer and supplier information and intellectual property that we have in our possession or to which we have access. Our efforts to protect intellectual property and proprietary rights may not be sufficient. We cannot be sure that our pending patent applications will result in the issuance of patents to us, that patents issued to or licensed by us in the past or in the future will not be challenged or circumvented by competitors, or that these patents will be found to be valid or sufficiently broad to preclude our competitors from introducing technologies similar to those covered by our patents and patent applications. Our ability to protect and enforce our intellectual property rights may be limited in certain countries outside the U.S. In addition, we may be the target of competitor or other third party patent enforcement actions seeking substantial monetary damages or seeking to prevent our sale and marketing of certain of our products or services. We may also be subject to disruptions, losses and liability resulting from various cybersecurity attacks or information technology failures, as described above. Any of these events or factors could have a material adverse effect on our competitive position, subject us to judgments, penalties and significant litigation costs or temporarily or permanently disrupt our sales and marketing of the affected products or services. Any of the foregoing could have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

Location	Number of Facilities - Owned					Total
	Otis	UTC Climate, Controls & Security	Pratt & Whitney	UTC Aerospace Systems	Other	
Manufacturing & Aftermarket Services:						
North America	1	8	25	35	—	69
Europe & Middle East	5	10	3	17	—	35
Asia	1	1	7	4	—	13
Emerging Markets*	11	22	7	12	—	52
	18	41	42	68	—	169
Non-Manufacturing & Aftermarket Services:						
North America	3	15	31	13	13	75
Europe & Middle East	16	11	—	7	—	34
Asia	—	5	1	—	—	6
Central and Latin America	—	1	—	—	—	1
Emerging Markets*	2	6	4	2	—	14
	21	38	36	22	13	130

Location	Number of Facilities - Leased					Total
	Otis	UTC Climate, Controls & Security	Pratt & Whitney	UTC Aerospace Systems	Other	
Manufacturing & Aftermarket Services:						
North America	—	4	8	23	—	35
Europe & Middle East	—	2	4	6	—	12
Asia	—	—	3	1	—	4
Emerging Markets*	3	4	—	9	—	16
	3	10	15	39	—	67
Non-Manufacturing & Aftermarket Services:						
North America	5	32	13	12	8	70
Europe & Middle East	10	33	—	3	—	46
Asia	1	7	1	1	—	10
Emerging Markets*	10	17	3	3	—	33
	26	89	17	19	8	159

* For purposes of this table, our definition of emerging markets is developed using the countries included in the MSCI Emerging Markets Index SM.

Our fixed assets as of December 31, 2015 include manufacturing facilities and non-manufacturing facilities such as warehouses set forth in the tables above and a substantial quantity of machinery and equipment, most of which are general purpose machinery and equipment using special jigs, tools and fixtures and in many instances having automatic control features and special adaptations. The facilities, warehouses, machinery and equipment in use as of December 31, 2015 are in good operating condition, are well-maintained and substantially all are generally in regular use.

Item 3. Legal Proceedings
Export Violations

As previously disclosed, on June 28, 2012, we entered into a Consent Agreement (CA) with the U.S. State Department's the Office of Defense Trade Controls Compliance (DTCC) to resolve violations of the U.S. Arms Export Control Act (AECA) and International Traffic in Arms Regulations (ITAR) that we had voluntarily disclosed to DTCC. The CA has a four-year term, and provides that we will: (1) pay a civil penalty of \$55 million, \$20 million of which has been suspended based on

qualifying compliance investments made by us prior to or during the term of the CA; (2) appoint, subject to DTCC approval, an outside Special Compliance Official (SCO) to oversee our compliance with the CA and the AECA and ITAR; (3) continue and undertake additional remedial actions to strengthen AECA and ITAR compliance, with emphasis on human resources and organization, training, automation, and security of electronic data; and (4) sponsor two Company-wide outside compliance audits during the term of the CA. We believe we will meet or exceed all requirements of the CA and timely complete our obligations in accordance with its terms.

As previously disclosed, in June 2012, DTCC imposed a partial statutory debarment on P&WC with respect to obtaining new or renewed ITAR license privileges following P&WC's guilty plea to criminal violation of the AECA and ITAR. The debarment does not affect existing ITAR licenses/authorities, nor does it extend to programs supporting: (1) the U.S. Government; (2) NATO allies; or (3) "major non-NATO allies" (as defined in the ITAR). P&WC may seek and has received "transaction exception" approvals on a case-by-case basis for new or renewed ITAR licensing in other cases during the period of debarment. In February 2015, P&WC applied for full reinstatement of its ITAR privileges; DTCC's decision on P&WC's application is pending.

The previously disclosed potential liability recognized as of March 31, 2012 of \$55 million has been sufficient to discharge all amounts due pursuant to these above-referenced matters.

Pratt & Whitney Grand Jury Subpoena

As previously disclosed, Pratt & Whitney received a subpoena in May 2012 issued by a federal grand jury in Connecticut, requesting documents related to Pratt & Whitney's use in certain military engines of titanium procured from suppliers that potentially did not conform to underlying contract specifications. Pratt & Whitney conducted an internal investigation and continues to cooperate fully with the government's investigation. We cannot reasonably estimate the range of loss, if any, that may result from this matter given the current procedural status of the investigation.

Telephone Consumer Protection Act

As previously disclosed, UTC Fire & Security Americas Corporation, Inc. (UTCFS) has been named as a defendant in numerous putative class actions that were filed on behalf of purported classes of persons who allege that third-party entities placed "robocalls" and/or placed calls to numbers listed on the "Do Not Call Registry" on behalf of UTCFS in contravention of the Telephone Consumer Protection Act (TCPA). In each putative class action suit, plaintiffs seek injunctive relief and monetary damages. Each violation under the TCPA provides for \$500 in statutory damages or up to \$1,500 for any willful violation. We assert that the third-party entities that initiated the calls were not acting on our behalf in making any such calls. We believe that UTCFS has meritorious defenses to these claims. We are presently unable to estimate the damages for which UTCFS could be liable in the event plaintiffs prevail in one or more of these cases.

DOJ/SEC Investigations

As previously disclosed, in December 2013 and January 2014, UTC made voluntary disclosures to the United States Department of Justice (DOJ), the Securities and Exchange Commission (SEC) Division of Enforcement and the United Kingdom's Serious Fraud Office to report the status of its internal investigation regarding a non-employee sales representative retained by United Technologies International Operations, Inc. (UTIO) and IAE for the sale of Pratt & Whitney and IAE engines and aftermarket services, respectively, in China. On April 7, 2014, the SEC notified UTC that it was conducting a formal investigation and issued a subpoena to UTC. UTC continues to cooperate fully with the investigations and has responded to requests for documents and information. The DOJ and SEC also continue to request information, and the SEC issued a second subpoena on March 9, 2015 seeking documents related to internal allegations of alleged violations of anti-bribery laws from UTC's aerospace and commercial businesses, including but not limited to Otis businesses in China. Because the investigations are ongoing, we cannot predict the outcome or the consequences thereof at this time.

At the outset of the internal investigation, UTIO and IAE suspended all commission payments to the sales representative, and UTIO and IAE have not resumed making any payments. This led to two claims by the sales representative for unpaid commissions: a civil lawsuit filed against UTIO and UTC and an arbitration claim against IAE. In December 2014, the sales representative voluntarily dismissed the lawsuit and agreed to withdraw the arbitration claim, each without prejudice to allow the sales representative to re-assert the claims, but only on or after January 1, 2016. We anticipate that we would contest any future claim, and do not believe that the resolution of a future lawsuit or arbitration by the sales representative would have a material adverse effect on our competitive position, results of operations, cash flows or financial condition.

Sikorsky Government Contract Claim

As previously disclosed, in October 2014, the United States Government filed a complaint in the United States District Court for the Eastern District of Wisconsin alleging that Sikorsky and two of its wholly-owned subsidiaries, Dercos Aerospace and Sikorsky Support Services, Inc. (SSSI), violated the False Claims Act in connection with a contract that the U.S. Navy awarded to SSSI in June 2006 to support the Navy's T-34 and T-44 fixed-wing turboprop training aircraft. By letter dated July

13, 2015, the United States Department of Justice notified Sikorsky that it has opened a criminal investigation with respect to this matter. On November 6, 2015, pursuant to the Stock Purchase Agreement (Stock Purchase Agreement), dated as of July 19, 2015 by and between UTC and certain wholly-owned subsidiaries of UTC and Lockheed Martin, UTC completed the sale of all of the issued and outstanding equity of Sikorsky and certain affiliated entities to Lockheed Martin. Pursuant to the Stock Purchase Agreement, Lockheed Martin assumed the defense of and liability for the Government's False Claims Act lawsuit and the criminal investigation.

Mos Otis FAS Investigation

As previously disclosed, following inspections carried out by the Russian Federal Anti-monopoly Service (FAS) at the offices of Mos Otis and the production of documents by Mos Otis, in October 2014 FAS notified Mos Otis that it had found indications of violations of Russian competition law in the market for maintenance of unified dispatch systems, which remotely monitor elevators and dispatch service technicians in Moscow. Mos Otis is an indirectly owned and controlled joint venture between Otis and the City of Moscow. FAS has not pursued an administrative action against Mos Otis to date. At this time, we cannot reasonably estimate the range of any potential loss or impact to the business that may result.

In addition, we are subject to a number of other lawsuits, investigations and claims (some of which involve substantial amounts). For a discussion of contingencies related to certain other legal proceedings, see Note 17 to the Consolidated Financial Statements in our 2015 Annual Report. Except as indicated herein or in Note 17 to the Consolidated Financial Statements in our 2015 Annual Report, we do not believe that these matters will have a material adverse effect upon our competitive position, results of operations, cash flows or financial condition.

A further discussion of government contracts and related investigations, as well as a discussion of our environmental liabilities, can be found under the heading "Other Matters Relating to Our Business as a Whole – Compliance with Environmental and Other Government Regulations" in Item 1, "Business," and in Item 1A, "Risk Factors," in this Form 10-K.

Item 4. Mine Safety Disclosures

Not applicable.

PART II

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

The Performance Graph and Comparative Stock Data appearing in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, containing the following data relating to our common stock: total shareholder return, principal market, quarterly high and low sales prices, approximate number of shareowners and frequency and amount of dividends, are incorporated herein by reference. The information required by Item 5 with respect to securities authorized for issuance under equity compensation plans is incorporated herein by reference to Part III, Item 12 of this Form 10-K.

Issuer Purchases of Equity Securities

The following table provides information about our purchases during the quarter ended December 31, 2015 of equity securities that are registered by us pursuant to Section 12 of the Exchange Act.

2015	Total Number of Shares Purchased (000's)	Average Price Paid per Share	Total Number of Shares Purchased as Part of a Publicly Announced Program (000's)	Approximate Dollar Value of Shares that May Yet Be Purchased Under the Program (dollars in millions) *
October 1 - October 31 *	—	\$ —	—	\$ 12,000
November 1 - November 30	51,903	98.26	51,903	\$ 6,000
December 1 - December 31	—	—	—	\$ 6,000
Total	51,903	\$ 98.26	51,903	

* The remaining authority granted by our Board of Directors to repurchase approximately 59.8 million shares of our common stock under the previously approved July 19, 2015 share repurchase program was revoked and replaced as of October 14, 2015, upon the authorization of share repurchase program discussed below.

On October 14, 2015, our Board of Directors authorized a share repurchase program for up to \$12 billion of our common stock. This new authorization replaces a previous program, approved on July 19, 2015. At December 31, 2015, the maximum dollar value of shares that may yet be purchased under this current program was approximately \$6.0 billion. Under the July

2015 program shares were authorized to be purchased, and under the October 2015 program, shares may be purchased, on the open market, in privately negotiated transactions, under ASR programs and under plans complying with Rules 10b5-1 and 10b-18 under the Securities Exchange Act of 1934, as amended. We may also reacquire shares outside of the program from time to time in connection with the surrender of shares to cover taxes on vesting of restricted stock. No shares were reacquired in transactions outside the applicable program during the quarter ended December 31, 2015 .

On November 11, 2015, we entered into ASR agreements to repurchase an aggregate of \$6 billion of our common stock. Under the terms of the ASR agreements, we made the aggregate payments on November 16, 2015 and received an initial delivery of approximately 51.9 million shares of our common stock, at a price of \$98.26 per share, representing approximately 85% of the shares expected to be repurchased. The shares associated with the remaining portion of the aggregate purchase price are to be settled over six tranches. Upon settlement of each tranche, we may be entitled to receive additional common shares or, under certain limited circumstances, be required to deliver shares or make additional payments to the counterparties. The final settlement of the transactions under all tranches is expected to occur no later than the third quarter of 2016.

Item 6. Selected Financial Data

The Five-Year Summary appearing in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, is incorporated herein by reference. See "Notes to Consolidated Financial Statements" in our 2015 Annual Report for a description of any accounting changes and acquisitions or dispositions of businesses materially affecting the comparability of the information reflected in the Five-Year Summary.

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

The information set forth in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, is incorporated herein by reference.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk

For information concerning market risk sensitive instruments, see discussion under the heading "Market Risk and Risk Management" in "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, and under the heading "Foreign Exchange and Hedging Activity" and "Financial Instruments" in Note 1 and in Note 14, respectively, to the Consolidated Financial Statements in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K.

Item 8. Financial Statements and Supplementary Data

The 2015 and 2014 Consolidated Balance Sheet, and other consolidated financial statements for the years ended 2015 , 2014 and 2013 , together with the report thereon of PricewaterhouseCoopers LLP dated February 11, 2016 in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, are incorporated herein by reference. The 2015 and 2014 unaudited Selected Quarterly Financial Data appearing in our 2015 Annual Report, filed as Exhibit 13 to this Form 10-K, is incorporated herein by reference.

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

None.

Item 9A. Controls and Procedures

As required by Rule 13a-15 under the Securities Exchange Act of 1934, as amended, we carried out an evaluation under the supervision and with the participation of our management, including the President and Chief Executive Officer (CEO), the Executive Vice President & Chief Financial Officer (CFO) and the Corporate Vice President, Controller (Controller), of the effectiveness of the design and operation of our disclosure controls and procedures. There are inherent limitations to the effectiveness of any system of disclosure controls and procedures, including the possibility of human error and the circumvention or overriding of the controls and procedures. Accordingly, even effective disclosure controls and procedures can only provide reasonable assurance of achieving their control objectives. Based upon our evaluation, our CEO, CFO and Controller concluded that our disclosure controls and procedures were effective to provide reasonable assurance that information required to be disclosed by us in the reports that we file or submit under the Securities Exchange Act of 1934, as amended, is recorded, processed, summarized and reported within the time periods specified in the applicable rules and forms, and that it is accumulated and communicated to our management, including our CEO, CFO and Controller, as appropriate, to allow timely decisions regarding required disclosure.

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. 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 reporting purposes in accordance with accounting principles generally accepted in the U.S. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Our management has assessed the effectiveness of our internal control over financial reporting as of December 31, 2015. In making its assessment, management has utilized the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in its 2013 Internal Control – Integrated Framework. Our management has concluded that based on its assessment, our internal control over financial reporting was effective as of December 31, 2015. The effectiveness of our internal control over financial reporting as of December 31, 2015 has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in its report which appears in our 2015 Annual Report.

Item 9B. Other Information

Section 13(r)(1)(D) Disclosures

The following activities are disclosed as required by Section 13(r)(1)(D) of the Securities Exchange Act of 1934, as amended (Exchange Act):

In the Company's Form 10-Q report for the quarterly period ended on June 30, 2015, the Company disclosed, under the heading "Other" in the "Business Overview" section in Management's Discussion and Analysis of Financial Condition and Results of Operations in each such report, activities as required by Section 13(r)(1)(D) of the Securities Exchange Act of 1934, as amended (Exchange Act). Such disclosures are incorporated herein by reference.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by Item 10 with respect to directors, the Audit Committee of the Board of Directors and audit committee financial experts is incorporated herein by reference to the sections of our Proxy Statement for the 2016 Annual Meeting of Shareowners titled "Election of Directors" (under the subheading "Nominees") and "Corporate Governance" (including under the subheadings "Board Committees," "Audit Committee" and "Committee on Nominations and Governance").

Executive Officers of the Registrant

The following persons are executive officers of United Technologies Corporation:

Name	Title	Other Business Experience Since 1/1/2011	Age as of 2/11/2016
Elizabeth B. Amato	Executive Vice President & Chief Human Resources Officer, United Technologies Corporation (since August 2012)*	Senior Vice President, Human Resources and Organization, United Technologies Corporation; Vice President, Human Resources, UTC Climate, Controls & Security; Vice President, Human Resources, Carrier Corporation	59
Philippe Delpech	President, Otis Elevator (since September 2015)	Chief Operating Officer, Intercontinental Operations, UTC Building & Industrial Systems; Chief Operating Officer for UTC Climate, Controls & Security; President, EMEA, UTC Climate, Controls & Security	53
Michael R. Dumais	Senior Vice President, Strategic Planning, United Technologies Corporation (since January 2015)	President, Power, Controls & Sensing Systems, UTC Aerospace Systems; President, Hamilton Sundstrand; Vice President of Operations, Hamilton Sundstrand	49
Charles D. Gill	Executive Vice President & General Counsel, United Technologies Corporation (since 2007)*	Senior Vice President and General Counsel, United Technologies Corporation	51
David L. Gitlin	President, UTC Aerospace Systems (since January 2015)	President, Aircraft Systems, UTC Aerospace Systems; Vice President of Integration - UTC Propulsion & Aerospace Systems; President, Aerospace Customers & Business Development, Hamilton Sundstrand	46
Gregory J. Hayes	President and Chief Executive Officer, United Technologies Corporation (since November 2014)	Senior Vice President and Chief Financial Officer, United Technologies Corporation	55
Akhil Johri	Executive Vice President & Chief Financial Officer, United Technologies Corporation (since January 2015)*	Senior Vice President and Chief Financial Officer, United Technologies Corporation; Chief Financial Officer, Pall Corporation; Vice President of Finance and Chief Financial Officer of UTC Propulsion & Aerospace Systems	54
Robert F. Leduc	President, Pratt & Whitney (since January 2016)	President, Sikorsky Aircraft; Operating Partner, Advent International; President, Boeing Programs and Space, UTC Aerospace Systems	59
Robert J. McDonough	President, UTC Climate, Controls & Security (since September 2015)	Chief Operating Officer, Americas, UTC Building & Industrial Systems; Chief Operating Officer, Americas, UTC Climate, Controls & Security; President, UTC Climate, Controls & Security, Americas; President, Residential & Light Commercial Systems, Carrier Corporation	56
Neil G. Mitchill, Jr.	Corporate Vice President, Controller (since February 2015)*	Vice President, Controller, United Technologies Corporation; Vice President, Global Financial Services, United Technologies Corporation; Partner, PricewaterhouseCoopers LLP	40
David R. Whitehouse	Corporate Vice President, Treasurer, United Technologies Corporation (since April 2015)*	Vice President, Treasurer, United Technologies Corporation; Director, Capital Markets, United Technologies Corporation; Senior Vice President & Treasurer, Frontier Communications	49

*Certain officers' titles changed in November 2015 without a change in his or her responsibilities.

All of the officers serve at the pleasure of the Board of Directors of United Technologies Corporation or the subsidiary designated.

Information concerning Section 16(a) compliance is incorporated herein by reference to the section of our Proxy Statement for the 2016 Annual Meeting of Shareowners titled "Other Information" under the heading "Section 16(a) Beneficial Ownership Reporting." We have adopted a code of ethics that applies to all our directors, officers, employees and representatives. This code is publicly available on our website at <http://www.utc.com/Governance/Ethics/Code+of+Ethics>. Amendments to the code of ethics and any grant of a waiver from a provision of the code requiring disclosure under applicable SEC rules will be disclosed on our website. Our Corporate Governance Guidelines and the charters of our Board of Directors' Audit Committee, Finance Committee, Committee on Nominations and Governance, Public Issues Review Committee and Committee on Compensation and Executive Development are available on our website at <http://www.utc.com/Governance/Board+of+Directors>. These materials may also be requested in print free of charge by writing to our Investor Relations Department at United Technologies Corporation, 10 Farm Springs Road, Investor Relations, Farmington, CT 06032.

Item 11. Executive Compensation

The information required by Item 11 is incorporated herein by reference to the sections of our Proxy Statement for the 2016 Annual Meeting of Shareowners titled "Executive Compensation," "Compensation of Directors" and "Report of Committee on Compensation and Executive Development."

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

The information relating to security ownership of certain beneficial owners and management is incorporated herein by reference to the sections of our Proxy Statement for the 2015 Annual Meeting of Shareowners titled "Stock Ownership Information."

Equity Compensation Plan Information

The following table provides information as of December 31, 2015 concerning Common Stock issuable under UTC's equity compensation plans.

Plan category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average exercise price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by shareowners	13,196,000 ⁽¹⁾	\$ 83.20	45,846,000 ⁽²⁾
Equity compensation plans not approved by shareowners	— ⁽³⁾	—	—
Total	13,196,000	\$ 83.20	45,846,000

(1) Consists of: (i) shares of Common Stock issuable upon the exercise of outstanding stock options awarded under the United Technologies Corporation Long-Term Incentive Plan, as amended and restated on April 28, 2014(LTIP); (ii) shares of Common Stock issuable upon the exercise of outstanding Stock Appreciation Rights (SARs) awarded under the LTIP, (iii) shares of Common Stock issuable upon the vesting of outstanding deferred stock units and restricted stock units awarded under the United Technologies Corporation Board of Directors Deferred Stock Unit Plan, as amended and restated effective December 23, 2014 and (iv) shares of Common Stock issuable pursuant to outstanding restricted stock unit and performance share unit awards, assuming performance at the target level. Under the LTIP, each SAR referred to in clause (ii) is exercisable for a number of shares of Common Stock having a value equal to the increase in the market price of a share of such stock from the date the SAR was granted. For purposes of determining the total number of shares to be issued in respect of outstanding SARs as reflected in Column (a) above, we have used the NYSE closing price for a share of Common Stock on December 31, 2015 of \$96.07. The amount of shares of Common Stock referred to in clause (iii) above includes 1,467,000 restricted shares and restricted share units and 2,170,000 performance share units at the target level. Up to an additional 2,170,000 shares of Common Stock could be issued if performance goals are achieved above target. The weighted average exercise price of outstanding options, warrants and rights shown in column (b) takes into account only the shares identified in clause (i) and (ii)

(2) Represents the maximum number of shares of Common Stock available to be awarded under the LTIP as of December 31, 2015. Awards will result in a reduction in the number of shares of Common Stock available for delivery under the LTIP in an amount equal to 4.03 times the number of shares to which the award corresponds. Stock options and stock appreciation rights do not constitute Full Share Awards and will result in a reduction in the number of shares of Common Stock available for delivery under the LTIP on a one-for-one basis.

- (3) All awards issued under the former UTC Employee Stock Option Plan have either been exercised or have expired. Effective April 14, 2005, all equity incentive compensation awards are issued under the shareowner-approved LTIP.

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

The information required by Item 13 is incorporated herein by reference to the sections of our Proxy Statement for the 2016 Annual Meeting of Shareowners titled "Election of Directors" (under the subheading "Nominees"), "Corporate Governance" (under the subheading "Director Independence") and "Other Information" (under the subheading "Transactions with Related Persons").

Item 14. Principal Accounting Fees and Services

The information required by Item 14 is incorporated by reference to the section of our Proxy Statement for the 2016 Annual Meeting of Shareowners titled "Appointment of a Firm of Independent Registered Public Accountants to Serve as Independent Auditor for 2016," including the information provided in that section with regard to "Audit Fees," "Audit-Related Fees," "Tax Fees" and "All Other Fees."

PART IV

Item 15. Exhibits and Financial Statement Schedules

(a) Financial Statements, Financial Statement Schedules and Exhibits

(1) Financial Statements (incorporated herein by reference to the 2015 Annual Report) :

	<u>Page Number in Annual Report</u>
Report of Independent Registered Public Accounting Firm	29
Consolidated Statement of Operations for the three years ended December 31, 2015	30
Consolidated Statement of Comprehensive Income for the three years ended December 31, 2015	31
Consolidated Balance Sheet as of December 31, 2015 and 2014	32
Consolidated Statement of Cash Flows for the three years ended December 31, 2015	33
Consolidated Statement of Changes in Equity for the three years ended December 31, 2015	34
Notes to Consolidated Financial Statements	36
Selected Quarterly Financial Data (Unaudited)	74

(2) Financial Statement Schedule for the three years ended December 31, 2015 :

	<u>Page Number in Form 10-K</u>
SCHEDULE I—Report of Independent Registered Public Accounting Firm on Financial Statement Schedule	S-I
SCHEDULE II—Valuation and Qualifying Accounts	S-II

All other schedules are omitted because they are not applicable or the required information is shown in the financial statements or the notes thereto.

(3) Exhibits :

The following list of exhibits includes exhibits submitted with this Form 10-K as filed with the SEC and those incorporated by reference to other filings.

<u>Exhibit Number</u>	
2.1	Agreement and Plan of Merger, among United Technologies Corporation, Charlotte Lucas Corporation, and Goodrich Corporation, dated as of September 21, 2011, incorporated by reference to Exhibit 2.1 to UTC's Current Report on Form 8-K (Commission file number 1-812) filed with the SEC on September 23, 2011.
3(i)	Restated Certificate of Incorporation, restated as of May 5, 2006, incorporated by reference to Exhibit 3(i) to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2006.
3(ii)	Bylaws as amended and restated effective September 9, 2015, incorporated by reference to Exhibit 3.1 to UTC's Current Report on Form 8-K (Commission file number 1-812) filed with the SEC on September 10, 2015.
4.1	Amended and Restated Indenture, dated as of May 1, 2001, between UTC and The Bank of New York, as trustee, incorporated by reference to Exhibit 4(a) to UTC's Registration Statement on Form S-3 (Commission file number 333-60276) filed with the SEC on May 4, 2001. UTC hereby agrees to furnish to the Commission upon request a copy of each other instrument defining the rights of holders of long-term debt of UTC and its consolidated subsidiaries and any unconsolidated subsidiaries.
10.1	United Technologies Corporation Annual Executive Incentive Compensation Plan, incorporated by reference to Exhibit A to UTC's Proxy Statement for the 1975 Annual Meeting of Shareowners, Amendment No. 1 thereto, effective January 1, 1995, incorporated by reference to Exhibit 10.2 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 1995, and Amendment No. 2 thereto, effective January 1, 2009, incorporated by reference to Exhibit 10.1 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2008.
10.2	United Technologies Corporation Pension Preservation Plan, as amended and restated, effective December 31, 2009, incorporated by reference to Exhibit 10.3 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2009.
10.3	United Technologies Corporation Senior Executive Severance Plan, incorporated by reference to Exhibit 10(vi) to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 1992, as amended by Amendment thereto, effective December 10, 2003, incorporated by reference to Exhibit 10.4 of UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2003, and Amendment thereto, effective June 11, 2008, incorporated by reference to Exhibit 10.4 of UTC's Quarterly Report on Form 10-Q (Commission file number 1-812) for the quarterly period ended June 30, 2008, and Amendment thereto, dated February 4, 2011, incorporated by reference to Exhibit 10.4 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2010.
10.4	United Technologies Corporation Deferred Compensation Plan, as amended and restated, effective January 1, 2005, incorporated by reference to Exhibit 10.5 of UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2008.
10.5	United Technologies Corporation Long Term Incentive Plan, incorporated by reference to Exhibit 10.11 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 1989, as amended by Amendment No. 1, incorporated by reference to Exhibit 10.11 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 1995, and Amendment No. 2, incorporated by reference to Exhibit 10.6 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2003.
10.6	United Technologies Corporation Executive Leadership Group Program, as amended and restated, effective October 15, 2013, incorporated by reference to Exhibit 10.11 to UTC's Quarterly Report on Form 10-Q (Commission file number 1-812) for the quarterly period ended September 30, 2013.
10.7	Schedule of Terms for Restricted Share Unit Retention Awards relating to the United Technologies Corporation Executive Leadership Group Program (referred to above in Exhibit 10.6), incorporated by reference to Exhibit 10.12 to UTC's Quarterly Report on Form 10-Q (Commission file number 1-812) for the quarterly period ended September 30, 2013.

- 10.8 Form of Award Agreement for Restricted Share Unit Retention Awards relating to the United Technologies Corporation Executive Leadership Group Program (referred to above in Exhibit 10.6), incorporated by reference to Exhibit 10.13 to UTC's Quarterly Report on Form 10-Q (Commission file number 1-812) for the quarterly period ended September 30, 2013.
- 10.9 United Technologies Corporation Board of Directors Deferred Stock Unit Plan, as Amended and Restated, effective as of December 23, 2014, incorporated by reference to Exhibit 10.14 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2014.
- 10.10 Retainer Payment Election Form for United Technologies Corporation Board of Directors Deferred Stock Unit Plan (referred to above in Exhibit 10.9).*
- 10.11 Form of Deferred Restricted Stock Unit Award relating to the United Technologies Corporation Board of Directors Deferred Stock Unit Plan (referred to above in Exhibit 10.9).*
- 10.12 United Technologies Corporation Long-Term Incentive Plan, as amended and restated effective April 28, 2014, incorporated by reference to Exhibit 10.1 to UTC's Current Report on Form 8-K (Commission file number 1-812) filed with the SEC on May 2, 2014, as further amended by Amendment No. 1, effective as of February 5, 2016.*
- 10.13 Schedule of Terms for restricted stock awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12) (Rev. January 2016).*
- 10.14 Form of Award Agreement for restricted stock awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12), incorporated by reference to Exhibit 10.2 to UTC's Current Report on Form 8-K (Commission file number 1-812) filed with the SEC on September 20, 2005.
- 10.15 Schedule of Terms for non-qualified stock option awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12) (Rev. January 2016).*
- 10.16 Form of Award Agreement for non-qualified stock option awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12), incorporated by reference to Exhibit 10.4 to UTC's Current Report on Form 8-K (Commission file number 1-812) filed with the SEC on September 20, 2005.
- 10.17 Schedule of Terms for performance share unit awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12) (Rev. January 2016).*
- 10.18 Schedule of Terms for stock appreciation rights awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12) (Rev. January 2016).*
- 10.19 Form of Award Agreement for performance share unit and stock appreciation rights awards relating to the United Technologies Corporation 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12), incorporated by reference to Exhibit 10.1 to UTC's Current Report on Form 8-K filed with the SEC on October 16, 2006.
- 10.20 United Technologies Corporation LTIP Performance Share Unit Deferral Plan, relating to the 2005 Long-Term Incentive Plan (referred to above in Exhibit 10.12), incorporated by reference to Exhibit 10.36 of UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2008.
- 10.21 United Technologies Corporation International Deferred Compensation Replacement Plan, effective January 1, 2005, incorporated by reference to Exhibit 10.35 of UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2008.
- 10.22 United Technologies Corporation Company Automatic Excess Plan, effective January 1, 2010, incorporated by reference to Exhibit 10.30 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2009.
- 10.23 United Technologies Corporation Savings Restoration Plan, effective January 1, 2010, incorporated by reference to Exhibit 10.31 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2009.
- 10.24 Separation Agreement entered into as of January 16, 2015 between Louis R. Chênevert and United Technologies Corporation, incorporated by reference to Exhibit 10.34 to UTC's Annual Report on Form 10-K (Commission file number 1-812) for the fiscal year ended December 31, 2014.
- 11 Statement Re: Computation of Per Share Earnings.*

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12	Statement Re: Computation of Ratios.*
13	Excerpts from UTC's 2015 Annual Report to Shareowners for the year ended December 31, 2015.*
14	Code of Ethics. The UTC Code of Ethics may be accessed via UTC's website at http://www.utc.com/Governance/Ethics/Code+of+Ethics .
21	Subsidiaries of the Registrant.*
23	Consent of PricewaterhouseCoopers LLP.*
24	Powers of Attorney of John V. Faraci, Jean-Pierre Garnier, Edward A. Kangas, Ellen J. Kullman, Marshall O. Larsen, Harold W. McGraw III, Richard B. Myers, Fredric G. Reynolds, Brian C. Rogers, H. Patrick Swygert, André Villeneuve and Christine Todd Whitman.*
31	Rule 13a-14(a)/15d-14(a) Certifications.*
32	Section 1350 Certifications.*
101.INS	XBRL Instance Document.* (File name: utx-20151231.xml)
101.SCH	XBRL Taxonomy Extension Schema Document.* (File name: utx-20151231.xsd)
101.CAL	XBRL Taxonomy Calculation Linkbase Document.* (File name: utx-20151231_cal.xml)
101.DEF	XBRL Taxonomy Definition Linkbase Document.* File name: : utx-20151231_def.xml)
101.LAB	XBRL Taxonomy Label Linkbase Document.* (File name: utx-20151231_lab.xml)
101.PRE	XBRL Taxonomy Presentation Linkbase Document.* (File name: utx-20151231_pre.xml)

Notes to Exhibits List:

* Submitted electronically herewith.

Exhibits 10.1 through 10.24 are contracts, arrangements or compensatory plans filed as exhibits pursuant to Item 15(b) of the requirements for Form 10-K reports.

Attached as Exhibit 101 to this report are the following formatted in XBRL (Extensible Business Reporting Language): (i) Consolidated Statement of Operations for the three years ended December 31, 2015 , (ii) Consolidated Statement of Comprehensive Income for the three years ended December 31, 2015 , (iii) Consolidated Balance Sheet as of December 31, 2015 and 2014 , (iv) Consolidated Statement of Cash Flows for the three years ended December 31, 2015 , (v) Consolidated Statement of Changes in Equity for the three years ended December 31, 2015 , (vi) Notes to Consolidated Financial Statements, and (vii) Financial Schedule of Valuation and Qualifying Accounts.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ G REGORY J. H AYES</u> (Gregory J. Hayes)	Director, President and Chief Executive Officer (Principal Executive Officer)	February 11, 2016
<u>/s/ A KHIL J OHRI</u> (Akhil Johri)	Executive Vice President & Chief Financial Officer (Principal Financial Officer)	February 11, 2016
<u>/s/ NEIL G. MITCHILL, JR.</u> (Neil G. Mitchill, Jr.)	Corporate Vice President, Controller (Principal Accounting Officer)	February 11, 2016
<u>/s/ J OHN V. F ARACI *</u> (John V. Faraci)	Director	
<u>/s/ J EAN -P IERRE G ARNIER *</u> (Jean-Pierre Garnier)	Director	
<u>/s/ E DWARD A. K ANGAS *</u> (Edward A. Kangas)	Director	
<u>/s/ E LLEN J. K ULLMAN *</u> (Ellen J. Kullman)	Director	
<u>/s/ M ARSHALL O. L ARSEN *</u> (Marshall O. Larsen)	Director	
<u>/s/ H AROLD W. M C G RAW III *</u> (Harold W. McGraw III)	Director	
<u>/s/ R ICHARD B. M YERS *</u> (Richard B. Myers)	Director	
<u>/s/ F REDRIC G. R EYNOLDS *</u> (Fredric G. Reynolds)	Director	
<u>/s/ B RIAN C. R OGERS *</u> (Brian C. Rogers)	Director	
<u>/s/ H. P ATRICK S WYGERT *</u> (H. Patrick Swygert)	Director	
<u>/s/ A NDRÉ V ILLENEUVE *</u> (André Villeneuve)	Director	
<u>/s/ C HRISTINE T ODD W HITMAN *</u> (Christine Todd Whitman)	Director	

*By: /s/ C HARLES D. G ILL
Charles D. Gill
Executive Vice President &
General Counsel, as Attorney-in-Fact

Date: February 11, 2016

SCHEDULE I

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM ON
FINANCIAL STATEMENT SCHEDULE**

To the Board of Directors
of United Technologies Corporation:

Our audits of the consolidated financial statements and of the effectiveness of internal control over financial reporting referred to in our report dated February 11, 2016 appearing in the 2015 Annual Report to Shareowners of United Technologies Corporation (which report and consolidated financial statements are incorporated by reference in this Annual Report on Form 10-K) also included an audit of the financial statement schedule listed in Item 15(a)(2) of this Form 10-K. In our opinion, this financial statement schedule presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements.

/s/ PricewaterhouseCoopers LLP
Hartford, Connecticut
February 11, 2016

SCHEDULE II

UNITED TECHNOLOGIES CORPORATION AND SUBSIDIARIES
Valuation and Qualifying Accounts
Three years ended December 31, 2015
(Millions of Dollars)

Allowances for Doubtful Accounts and Other Customer Financing Activity:

Balance December 31, 2012	\$	513
Provision charged to income		74
Doubtful accounts written off (net)		(68)
Other adjustments		19
Balance December 31, 2013		538
Provision charged to income		93
Doubtful accounts written off (net)		(91)
Other adjustments		(46)
Balance December 31, 2014		494
Provision charged to income		137
Doubtful accounts written off (net)		(59)
Other adjustments		(19)
Balance December 31, 2015	\$	553

Future Income Tax Benefits—Valuation allowance:

Balance December 31, 2012	\$	904
Additions charged to income tax expense		134
Additions charged to goodwill, due to acquisitions		12
Reductions credited to income tax expense		(52)
Other adjustments		(56)
Balance December 31, 2013		942
Additions charged to income tax expense		91
Reductions credited to income tax expense		(55)
Other adjustments ¹		(366)
Balance December 31, 2014		612
Additions charged to income tax expense		42
Additions charged to goodwill, due to acquisitions		7
Reductions credited to income tax expense		(41)
Other adjustments ¹		(29)
Balance December 31, 2015	\$	591

Note 1: Included in Other adjustments in the table above are adjustments to valuation allowances associated with an agreement with a state taxing authority for the monetization of tax credits.

**UNITED TECHNOLOGIES CORPORATION
BOARD OF DIRECTORS
2016 ANNUAL COMPENSATION DISTRIBUTION ELECTION FORM**

Non-employee Directors receive annual compensation comprised of an Annual Retainer and an Annual Award of Deferred Stock Units. The Annual Retainer amount is \$112,000 (\$122,000 for the Chair of the Committee on Compensation and Executive Development and the Chair of the Finance Committee, \$120,000 for other Committee Chairs, \$124,000 for members of the Audit Committee, \$128,000 for the Lead Director (if any) and the Audit Committee Chair, and \$192,000 for the non-executive Chairman of the Board). Non-employee Directors also receive an Annual Award of Deferred Stock Units valued at \$168,000 at time of issuance (\$183,000 for the Chair of the Committee on Compensation and Executive Development and the Chair of the Finance Committee, \$180,000 for other Committee Chairs, \$186,000 for members of the Audit Committee, \$192,000 for the Lead Director (if any) and the Audit Committee chair, and \$288,000 for the non-executive Chairman of the Board). In the event that a non-employee Director serves in more than one role listed above, the Annual Retainer and the Annual Award of Deferred Stock Units will each equal the highest amounts applicable to any role in which the non-employee Director serves. Your Annual Retainer will be paid in cash unless you elect to receive the amount as Deferred Stock Units.

I hereby elect to receive my 2016 Annual Retainer as follows **(please check one)** :

Cash payable as of the date of the 2016 Annual Meeting _____

Deferred Stock Units issued as of the date of the 2016 Annual Meeting _____

Upon retirement or termination from the Board, I elect to receive distribution of my total 2016 Deferred Stock Units in **(please check one)** :

- 15 annual installments
- 10 annual installments
- A full and immediate distribution of all shares

The number of Deferred Stock Units will be determined by dividing your Annual Award of Deferred Stock Units (including your Annual Retainer if you so elect above) by the closing price of UTC common stock on the date of the Annual Meeting. Fractional Stock Units will be credited to your account. All whole or partial Stock Units will be eligible for dividend equivalents equal to UTC’s declared dividend and will be credited to your account as additional Stock Units on the date the dividend is paid.

Upon retirement or termination from the Board, Deferred Stock Units held in your account will be converted into shares of UTC Common Stock and distributed to you unless you elected 10 or 15 annual installments, in which case Deferred Stock Units will be converted to shares of stock in accordance with the installment schedule. During the installment period, the balance in your account will continue to be held and valued as Deferred Stock Units unless you elect to convert the units to a fixed interest account credited at the 10 year U.S. Treasury bill rate plus 1%. During the installment period, the value of your account will not be taxable until each installment distribution is received. In the event of your death before distribution, the full value of your account will be distributed to your estate unless a Beneficiary Designation form is on file. Deferred Stock Units will be governed by the terms and conditions of the United Technologies Corporation Board of Directors Deferred Stock Unit Plan.

_____ (Signature)

_____ (Print Name)

_____ (Date)

Please return by December 16, 2015 to : Office of the Corporate Secretary, United Technologies Corporation
 Fax: (860) 660-0250 or email: christina.monteith@utc.com

**UNITED TECHNOLOGIES CORPORATION
BOARD OF DIRECTORS
ANNUAL COMPENSATION DISTRIBUTION ELECTION FORM**

Non-employee Directors receive annual compensation comprised of an Annual Retainer and an Annual Award of Deferred Stock Units. The Annual Retainer amount is \$112,000 (\$122,000 for the Chair of the Committee on Compensation and Executive Development and the Chair of the Finance Committee, \$120,000 for other Committee Chairs, \$124,000 for members of the Audit Committee, \$128,000 for the Lead Director (if any) and the Audit Committee Chair, and \$192,000 for the non-executive Chairman of the Board). Non-employee Directors also receive an Annual Award of Deferred Stock Units valued at \$168,000 at time of issuance (\$183,000 for the Chair of the Committee on Compensation and Executive Development and the Chair of the Finance Committee, \$180,000 for other Committee Chairs, \$186,000 for members of the Audit Committee, \$192,000 for the Lead Director (if any) and the Audit Committee chair, and \$288,000 for the non-executive Chairman of the Board). In the event that a non-employee Director serves in more than one role listed above, the Annual Retainer and the Annual Award of Deferred Stock Units will each equal the highest amounts applicable to any role in which the non-employee Director serves. Your Annual Retainer will be paid in cash unless you elect to receive the amount as Deferred Stock Units.

I hereby elect to receive both my 50% Annual Retainer for 2015-2016 and my 100% Annual Retainer for 2016-2017 as follows **(please check one)** :

Cash payable as of the relevant date _____

Deferred Stock Units issued as of the relevant date _____

Upon retirement or termination from the Board, I elect to receive distribution of the aggregate amount of my Deferred Stock Unit awards for 2015-2016 and for 2016-2017 in **(please check one)** :

- 15 annual installments
- 10 annual installments
- A full and immediate distribution of all shares

The number of Deferred Stock Units will be determined by dividing the dollar amount of each Award of Deferred Stock Units (including your Annual Retainer if you so elect above) by the closing price of UTC common stock on the date of each award. Fractional Stock Units will be credited to your account. All whole or partial Stock Units will be eligible for dividend equivalents equal to UTC's declared dividend and will be credited to your account as additional Stock Units on the date the dividend is paid.

Upon retirement or termination from the Board, Deferred Stock Units held in your account will be converted into shares of UTC Common Stock and distributed to you unless you elected 10 or 15 annual installments, in which case Deferred Stock Units will be converted to shares of stock in accordance with the installment schedule. During the installment period, the balance in your account will continue to be held and valued as Deferred Stock Units unless you elect to convert the units to a fixed interest account credited at the 10 year U.S. Treasury bill rate plus 1%. During the installment period, the value of your account will not be taxable until each installment distribution is received. In the event of your death before distribution, the full value of your account will be distributed to your estate unless a Beneficiary Designation form is on file. Deferred Stock Units will be governed by the terms and conditions of the United Technologies Corporation Board of Directors Deferred Stock Unit Plan.

_____ (Signature)

_____ (Print Name)

_____ (Date)

Please return by December 21, 2015 to : Office of the Corporate Secretary, United Technologies Corporation
Fax: (860) 660-0250 or email: christina.monteith@utc.com

2016 DIRECTOR COMPENSATION

Type	Total Compensation	Annual Retainer 40%	Annual Award 60%
Non-Executive Chairman	480,000	192,000	288,000
Lead Director	320,000	128,000	192,000
Audit Chair	320,000	128,000	192,000
Audit Members	310,000	124,000	186,000
Compensation Chair	305,000	122,000	183,000
Finance Chair	305,000	122,000	183,000
Other Chairs	300,000	120,000	180,000
Base	280,000	112,000	168,000

**UTC BOARD OF DIRECTORS
DEFERRED STOCK UNIT PLAN**

Deferred Restricted Stock Unit Award

Under the UTC Board of Directors Deferred Stock Unit Plan, each Non-Employee Director of the Company receives, as of the date of election to the Board, a non-recurring award of deferred restricted stock units having a grant date value of \$100,000, based on the closing price of UTC common stock on that date (the "Units"). This award is intended to promote a closer identity of interests between Non-Employee Directors and shareowners by providing Non-Employee Directors with an equity-based interest in the Company's future performance.

The Units are subject to a restriction on transferability and may not be sold, assigned, pledged or transferred while such restriction remains in effect. However, once vested, you are the owner of such Units on the records of the Company. Please note that the restriction on transferability continues in effect on vested Units while you remain a Director of UTC. Accordingly, by your acceptance of the Units, you agree that your vested Units will not be sold, assigned, pledged or transferred by you prior to your retirement or resignation as a Director of UTC. Your Unit balance will be credited with additional Units equivalent in value to the dividend paid on the corresponding number of shares of UTC Common Stock. The dividend equivalent Units will vest immediately but will otherwise be subject to the same transfer restrictions applicable to the initial Units.

The Units will vest in increments of 20 percent per year. The effective date of the grant of your Units will be _____. The first 20 percent will vest on the date of UTC's next Annual Shareowner Meeting. An additional 20 percent will vest on the date of UTC's Annual Meeting each succeeding year while you continue on the Board. At the time you retire or resign from the Board, your vested Units will be converted into shares of UTC Common Stock and distributed to you. As an alternative to full distribution of your shares following retirement, you may elect to receive the value of your vested units following retirement or resignation in 10 or 15 annual installment distributions by checking one of the two boxes below:

- 15 annual installments
- 10 annual installments

In compliance with IRS rules, if you make or alter such election after you join the Board, you must do so at least one year prior to retiring or resigning from the Board, and your distribution will begin five years from the date the award would otherwise be scheduled for distribution.

Any Units not vested as of the date you resign or retire from the Board will be forfeited without payment of any compensation to you. However, in the event of a "change of control" or a "restructuring event" as defined by the United Technologies Corporation Long Term Incentive Plan, or upon your death or your resignation from the Board due to disability, or if you retire or resign to accept full-time employment in public or charitable service, all Units that have not previously vested will immediately vest and convert into shares of UTC Common Stock and be distributed in accordance with your election on file.

Recognition of Ordinary Income Under U.S. Tax Law

For federal income tax purposes, you will be required to include as income the value of any shares of UTC Common Stock distributed to you following your departure from the Board. Additional Units credited as a result of dividend payments are not included in your income until they are distributed to you.

**Deferred Restricted Stock Unit Award
(Continued)**

The foregoing is only a brief summary of the federal income tax consequences of the Units. You are urged to consult with your tax advisor for advice regarding your individual circumstances. UTC will report and withhold such income as required by state, federal, or other applicable laws.

Please confirm your agreement by faxing a signed and dated copy of this award statement to (860) 660-0250 .

I acknowledge receipt of this Deferred Restricted Stock Unit Award. I accept this Award subject to the terms detailed herein, and the United Technologies Corporation Board of Directors Deferred Stock Unit Plan.

Signature

Printed Name

Date

Please Return to Office of the Corporate Secretary
By : United Technologies Corporation
 Fax: (860) 660-0250
 or
 christina.monteith@utc.com

UNITED TECHNOLOGIES CORPORATION
LONG TERM INCENTIVE PLAN
As Amended and Restated Effective April 28, 2014

AMENDMENT 1

The United Technologies Corporation Long-Term Incentive Plan (the "LTIP") is hereby amended, effective February 5, 2016.

1. **Section 5 (Options and Stock Appreciation Rights), subsection "g."** is amended and restated to read as follows:

g. Termination of Employment. Options and Stock Appreciation Rights will generally vest after a three-year holding period and achievement of Performance Targets, if applicable. Awards shall be forfeited in the event of a Participant's Termination of Employment prior to the vesting date, except as set forth below:

(i) Upon a Participant's Termination of Employment by reason of death, Options and Stock Appreciation Rights held by the Participant shall immediately vest and all outstanding Options and Stock Appreciation Rights may be exercised at any time until the third anniversary of the date of death;

(ii) Upon a Participant's Termination of Employment by reason of Disability, Options and Stock Appreciation Rights held by the Participant that were exercisable immediately before the Termination of Employment may be exercised at any time until the earlier of (A) the third anniversary of such Termination of Employment or (B) the expiration of the Term thereof. Non-vested Stock Appreciation Rights and Options will continue to be eligible to vest as scheduled during the period the Participant remains disabled and may be exercised at any time until the earlier of (A) the third anniversary of the vesting date or (B) the expiration of the Term thereof;

(iii) Upon a Participant's Termination of Employment by reason of Normal Retirement, Options and Stock Appreciation Rights held for more than one year shall immediately become vested and exercisable. Vested Options and vested Stock Appreciation Rights may be exercised until the expiration of their Term with respect to Participants who retire on or after age 65;

(iv) Upon a Participant's Termination of Employment by reason of Early Retirement on or after age 55, Options and Stock Appreciation Rights held for more than one year shall immediately become vested and exercisable. Vested Options and vested Stock Appreciation Rights may be exercised until the expiration of the term, provided the Company provides consents to the recipient's retirement; otherwise awards will remain exercisable until the fifth anniversary following termination or if earlier, the expiration of their Term;

(v) Upon a Participant's Termination of Employment by reason of Early Retirement prior to age 55, Options and Stock Appreciation Rights held for more than one year shall immediately become vested and exercisable. Vested Options and vested Stock Appreciation Rights may be exercised until the fifth anniversary following such termination; or if earlier, the expiration of their Term;

(vi) Upon a Participant's Termination of Employment for Cause, all Options and Stock Appreciation Rights held by the Participant will be forfeited immediately, whether or not vested;

(vii) If a Participant dies after Termination of Employment, outstanding Options and Stock Appreciation Rights may be exercised until the earlier of (A) the third anniversary of the date of death or (B) the expiration of the Term thereof; and

(viii) Upon a Participant's Termination of Employment for any reason other than death, Disability, Retirement or for Cause any non-vested Option or Stock Appreciation Right will be forfeited immediately and any vested Option or Stock Appreciation Right may be exercised until the earlier of (A) the first anniversary following such Termination of Employment or (B) expiration of the Term thereof.

Notwithstanding the foregoing, the Committee shall have discretion to apply different rules concerning the consequences of an Employment Termination as set forth in the applicable Award Agreement.

2. **Section 7 (Performance Share Units), subsection “b.”** is amended and restated to read as follows:

b. Terms and Conditions. Performance Share Units shall be subject to the following terms and conditions:

(i) Performance Share Units are Qualified Performance-Based Awards and shall vest solely as a result of the achievement of Performance Targets, except as provided below in clause (iv);

(ii) The Board or the Committee may in its discretion make adjustments to any performance goals or results when necessary or appropriate for the purpose of preserving the validity of the measured performance;

(iii) A Participant may not assign, transfer, pledge or otherwise encumber Performance Share Units;

(iv) The Award Agreement shall specify if the Participant shall be entitled to receive current or deferred payments of cash or Shares in respect of non-vested Performance Share Units corresponding to the dividends paid by the Corporation, provided, however, that any such payment or delivery of shares shall be withheld subject to achievement of performance-based vesting requirements in accordance with clauses (i) and (iv) herein;

(v) Performance Share Unit Awards will generally be subject to a three-year service-based vesting requirement in addition to performance-based vesting criteria. In the event of a Participant’s Termination of Employment before the applicable Performance Targets are satisfied or the expiration of the time-based vesting requirement, all Performance Share Units still subject to restriction shall be forfeited by such Participant; provided, however, that Performance Share Units will vest in the event of death, and remain eligible to vest in the event of Retirement or Disability; and

(vi) Except as provided in the following sentence, all Performance Share Units shall be settled no later than 2.5 months after the end of the year in which the Performance Share Units vest. If the Award Agreement provides (when the Award is granted) that a Performance Share Unit may vest in the event of Early Retirement or Normal Retirement, the Performance Share Unit shall be settled 30 days after the end of the performance measurement period designated in the Award Agreement, or on another specific date designated in the Award Agreement; provided, however, that if the Performance Share Unit actually vests upon Retirement and if the Participant is a Specified Employee, the Performance Share Unit shall be settled on the first day of the seventh month following the Participant’s Termination of Employment.

3. **Section 10 (Future Events), subsection “b.”** is amended and restated to read as follows:

b. Changes to the Corporation’s Capital Structure. In the event of a merger, consolidation, spin-off, reorganization, stock rights offering, liquidation, Disaffiliation, or other material event affecting the capital structure of the Corporation (each, a “Corporate Transaction”), the Committee or the Board may in its discretion make such substitutions or adjustments as it deems appropriate and equitable to: (i) the aggregate number and kind of Shares or other securities reserved for issuance and delivery under the Plan; (ii) the various maximum limitations set forth in Section 4; (iii) the number and kind of Shares or other securities subject to outstanding Awards; (iv) financial performance targets or results; and (v) the exercise price of outstanding Options and Stock Appreciation Rights. Adjustments may include, without limitation, the cancellation of outstanding Awards in exchange for payments of cash, property or a combination thereof having an aggregate value equal to the value of such Awards, as determined by the Committee or the Board in its sole discretion to be necessary or appropriate to protect the value of Participants’ interests in their Awards. In the event of a Disaffiliation, the Committee may arrange for the assumption of Awards or replacement of Awards with new Awards based on other property or other securities.

4. **Section 12 (Term, Amendment and Termination), subsection “d.”** is amended and restated to read as follows:

b. Amendment of Awards. Subject to Section 10, the Committee may unilaterally amend the terms of any Award theretofore granted, prospectively or retroactively, but no such amendment shall be made without the Participant’s consent if such amendment materially impairs the rights of any Participant with respect to an Award, except amendments made to cause the Plan or Award to comply with applicable law, stock exchange rules, tax rules or

accounting rules. No amendment to any Award shall reduce the exercise price of any Option or Stock Appreciation Right except to the extent necessary to preserve the value of the Award in the event of a stock split or other "Share Change" as defined in Section 10(a) or a "Corporate Transaction" as described in Section 10(b). In no event, including a Corporate Transaction or a Change-in-Control, may any Award be amended or action taken to make a cash payment in exchange for an Option or Stock Appreciation Right that has the effect of providing value greater than the amount determined using the exercise price in effect as of the date of the contemplated action, unless approved by the Corporation's shareowners. In the event of changes to applicable law, stock exchange rules, tax rules or accounting standards, the Board or Committee may in its discretion make adjustments to financial performance targets or results to maintain the validity of the original performance measures and goals approved.

IN WITNESS WHEREOF, the undersigned has hereunto set her hand as of January 25, 2016.

UNITED TECHNOLOGIES CORPORATION

By /s/ Elizabeth B. Amato

Attest /s/ Jeffrey W. Kridler

Date January 26, 2016

**United Technologies Corporation
Long-Term Incentive Plan**

Restricted Stock Unit Award

Schedule of Terms

(Rev. January 2016)

This Schedule of Terms describes the material features of the recipient's Restricted Stock Unit Award (the "RSU Award" or the "Award") granted under the United Technologies Corporation Long-Term Incentive Plan as amended and restated effective April 28, 2014 (the "LTIP"). The Award is subject to this Schedule of Terms and the terms, definitions, and provisions of the LTIP. The LTIP Prospectus contains detailed information about the LTIP and this Award.

Restricted Stock Unit

A Restricted Stock Unit (an “RSU”) is equal in value to one share of Common Stock of United Technologies Corporation (“Common Stock”). RSUs are generally convertible into shares of Common Stock if the recipient remains employed by the Company on the vesting date in accordance with the vesting schedule set forth on the Award Statement (see “Vesting” below). “Company” means United Technologies Corporation (the “Corporation”), and its subsidiaries, divisions and affiliates.

Acknowledgement and Acceptance of Award

The number of RSUs awarded is set forth in the Award Statement. The recipient must affirmatively acknowledge and accept the terms and conditions of the RSU Award or the Award will be forfeited.

Recipients must acknowledge and accept the terms and conditions of this RSU Award electronically via the UBS *One Source* website at www.ubs.com/onesource/UTX. Recipients have 150 days from the date of grant to acknowledge and to accept the Award.

Recipients based in certain countries must acknowledge and accept the terms and conditions of this RSU Award by signing and returning the designated portion of the Award Statement to the Stock Plan Administrator within 150 days from the date of grant. These countries include Russia, Turkey, Hungary, Slovenia, and Ukraine.

Vesting

RSUs vest after a certain period of time as outlined in the Award Statement. RSUs will be forfeited in the event of termination from employment prior to vesting except in the case of retirement, disability, or death (see “Termination of Employment” below).

In the event of certain types of misconduct, Awards may be forfeited, including vested Awards and gains realized from prior Awards. See “Forfeiture of Award” on page 3.

No shareowner rights

An RSU is the right to receive a share of Common Stock in the future, subject to continued employment. The holder of an RSU has no voting, dividend or other rights accorded to owners of Common Stock.

Payment/Conversion of RSUs

RSUs will generally be converted into shares of Common Stock, effective as of the vesting date. The converted shares will be unrestricted and freely transferable. RSUs may be paid in cash where local law restricts the distribution of Common Stock.

Termination of Employment

If the recipient terminates employment for any reason other than death, Disability, or Retirement (including “Rule of 65,” detailed below), unvested RSUs will be cancelled as of the termination date.

Retirement. The recipient is eligible for Retirement under this Award if the recipient terminates by reason of Normal Retirement or Early Retirement as provided below:

- (i) “Normal Retirement” means termination on or after age 65;
- (ii) “Early Retirement” means termination on or after:
 - (a) Age 55 with 10 or more years of continuous service as of the date of termination; or
 - (b) Age 50, but before age 55, and the sum of age and continuous service adds up to 65 or more (“Rule of 65”).

Upon Retirement, unvested RSUs that have been held for at least one year prior to the termination date will vest as of the termination date and be converted to shares of Common Stock.

In all cases, RSUs held for less than one year as of the termination date will be cancelled without value.

Service used to determine eligibility for Retirement or the Rule of 65 will be based on “Continuous Service” as defined in the

UTC Employee Retirement Plan.

Disability. If employment terminates by reason of Disability, unvested RSUs will not be forfeited. As long as recipient remains disabled under the Company's long-term disability plan applicable to the recipient, RSUs not yet vested will remain eligible to vest per the terms of the Award.

Death. If the recipient dies while an active employee of the Company, RSUs will vest and be converted to shares of Common Stock effective as of the date of death. The shares will be delivered to the estate of the recipient as soon as administratively practicable.

Rehire. If the recipient terminates employment and is then rehired by the Company before the end of the 90-day period immediately following the date of termination, unvested RSUs that were cancelled because of the termination of employment will be reinstated. If the recipient is rehired by the Company after the 90-day period immediately following the date of termination, the recipient will be treated as a new employee and cancelled RSUs will not be reinstated.

Forfeiture of Award

RSUs shall be forfeited and the recipient will be obligated to repay the value realized from the conversion of RSUs into shares of unrestricted Common Stock under the following circumstances:

- (i) Termination of Employment for Cause;
- (ii) A restatement of financial results attributable to the recipient's actions, whether intentional or negligent;
- (iii) If within three years following any Termination of Employment, the Committee on Compensation and Executive Development of the Corporation's Board of Directors (the "Committee") or the Company determines that the recipient engaged in conduct that would have constituted the basis for a Termination of Employment for Cause;
- (iv) If at any time during the twenty-four month period immediately following any Termination of Employment, the recipient:
 - (A) Solicits for employment or otherwise attempts to retain the professional services of any individual then employed or engaged by the Company (other than a person performing secretarial or similar services) or who was so employed or engaged during the three month period preceding such solicitation; or
 - (B) Disparages the Company, its executives, directors or products; directly or indirectly, in any capacity or manner, makes any statement of any kind (or cause, further, assist, solicit, encourage, support or participate in the foregoing), whether verbal, in writing, electronically transferred or otherwise, or discloses any items of information which, in either case are or may reasonably be construed to be derogatory, critical or adverse to the interests of the Company; or
- (v) If at any time during the twelve-month period following any Termination of Employment, the recipient becomes employed by, consults for, or otherwise renders services to any business entity or person (i) engaged in activities that compete with the Corporation or the business unit that employed the recipient, or (ii) that is a material customer of or a material supplier to the Corporation or the business unit that employed the recipient, unless the recipient has first obtained the consent of the Executive Vice President & CHRO. A recipient shall be deemed to have been employed by each business unit that employed the recipient within the two-year period immediately prior to the date of the Termination of Employment. The recipient agrees that the terms of this paragraph are reasonable. However, if any portion of this paragraph is held by competent authority to be unenforceable, this paragraph shall be deemed amended to limit its scope to the broadest scope that such authority determines is enforceable, and as so amended shall continue in effect. The Recipient acknowledges that this Award shall constitute compensation in satisfaction of this covenant.

Adjustments

If the Corporation effects a subdivision or consolidation of shares of Common Stock or other capital adjustment, the number of RSUs (and the number of shares of Common Stock that will be issued upon conversion) shall be adjusted in the same manner and to the same extent as all other shares of Common Stock of the Corporation. In the event of material changes in the capital structure of the Corporation resulting from: the payment of a special dividend (other than regular quarterly dividends) or other distributions to shareowners without receiving consideration therefore; the spin-off of a subsidiary; the sale of a substantial portion of the Corporation's assets; in the event of a merger or consolidation in which the Corporation is not the surviving entity; or other extraordinary non-recurring events affecting the Corporation's capital structure and the value of Common Stock, equitable adjustments shall be made in the terms of outstanding Awards, including the number of RSUs and underlying shares of Common Stock as the Committee determines are necessary or appropriate to prevent an increase or decrease in the

value of RSUs relative to Common Stock or the dilution or enlargement of the rights of recipients.

Change-in-Control

In the event of a Change-in-Control or restructuring of the Company, the Committee may (in its sole discretion) take certain actions with respect to out-standing Awards to assure fair and equitable treatment of LTIP Award recipients. Such actions may include the acceleration of the vesting date; offering to purchase an outstanding Award from the holder for its equivalent cash value (as determined by the Committee); or providing for other adjustments or modifications to outstanding Awards as the Committee may deem appropriate.

Awards Not to Affect or Be Affected by Certain Transactions

RSU Awards shall not in any way affect the right or power of the Corporation or its shareowners to effect: (a) Any or all adjustments, recapitalizations, reorganizations or other changes in the Corporation's capital structure or its business; (b) Any merger or consolidation of the Corporation; (c) Any issue of bonds, debentures, shares of stock preferred to, or otherwise affecting the Common Stock of the Corporation or the rights of the holders of such Common Stock; (d) The dissolution or liquidation of the Corporation; (e) Any sale or transfer of all or any part of its assets or business; or (f) Any other corporate act or proceeding.

Taxes / Withholding

Recipient is responsible for all income taxes, social insurance, payroll tax, payment on account or other tax-related items attributable to any Award ("Tax-Related Items"). The closing price of Common Stock on the New York Stock Exchange on the vesting date will be used to calculate income realized from the vesting of RSUs. The Company shall take such steps as are appropriate to satisfy the obligations with regard to Tax-Related Items. The Company shall have the right to deduct directly from any payment or delivery of shares due to recipient or from recipient's regular compensation to effect compliance with all Tax-Related Items including withholding and reporting with respect to the vesting of any RSU. Acceptance of an Award constitutes affirmative consent by recipient to such withholding. Recipient acknowledges that the ultimate liability for all Tax-Related Items is and remains recipient's responsibility and may exceed the amount actually withheld by the Company. Further, if recipient has become subject to tax in more than one jurisdiction between the date of grant and the date of any relevant taxable event, recipient acknowledges that the Company may be required to withhold or account for Tax-Related Items in more than one jurisdiction. In those countries where there is no withholding on account of such Tax-Related Items, recipients must pay the appropriate taxes as required by any country where they are subject to tax. In those instances where Company is required to calculate and remit withholding on Tax-Related Items after shares have already been delivered, recipient shall pay the Company any amount of Tax-Related Items that Company is required to account for. The Company may refuse to distribute an Award if Recipient fails to comply with his or her obligations in connection with Tax-Related Items.

Vesting / Taxes Due

If recipient is subject to tax in the U.S., the value of the Award as of the Vesting Date will be subject to FICA withholding in that same calendar year. If recipient is responsible for a Tax-Related Item in a country outside the U.S. ("Foreign Country") and if pursuant to the rules regarding such Tax-Related Item in such Foreign Country, recipient will be liable for such Tax-Related Item prior to the date that recipient is issued shares pursuant to this Award, the Committee, in its discretion, may accelerate vesting and settlement of a portion of the Award to the extent necessary to pay the foreign Tax-Related Items due (and any applicable U.S. income taxes due as a result of the acceleration of vesting and settlement) but only if such acceleration does not result in taxation under Section 409A (as permitted under Treasury Regulation Section 1.409A-3(j)(4)(xi)).

Nonassignability

Unless otherwise prescribed by the Committee, no assignment or transfer of any right or interest of a recipient in any RSU, whether voluntary or involuntary, by operation of law or otherwise, shall be permitted except by will or the laws of descent and distribution. Any attempt to assign such rights or interest shall be void and without force or effect.

Nature of Payments

All Awards made pursuant to the LTIP are in consideration of services performed for the Company. Any gains realized pursuant to such Awards constitute a special incentive payment to the recipient and shall not be taken into account as compensation for purposes of any of the employee benefit plans of the Company. Awards are made at the discretion of the Committee. Receipt of a current Award does not guarantee receipt of a future Award.

Right of Discharge Reserved

Nothing in the LTIP or in any RSU Award shall confer upon any recipient the right to continued employment or service for any period of time, or affect any right that the Company may have to terminate the employment or service of such recipient at any time for any reason.

Administration

Awards granted pursuant to the LTIP shall be interpreted and administered by the Committee. The Committee shall establish such procedures, as it deems necessary and appropriate to administer Awards in a manner that is consistent with the terms of the LTIP. The Committee's decision on any matter related to an Award shall be binding and conclusive. Under the LTIP, subject to certain limitations, the Committee has delegated to the Chief Executive Officer the authority to grant Awards, and has further delegated the authority to administer and interpret Awards to the Executive Vice President & CHRO, and to such subordinates as he or she may further delegate. Awards to employees of the Company who are either reporting persons under Section 16 of the Securities Exchange Act of 1934 ("Insiders") or members of the Company's Executive Leadership Group will be granted, administered, and interpreted exclusively by the Committee.

Data Privacy

The Corporation maintains electronic records for the purpose of administering the LTIP and individual Awards. In the normal course of plan administration, electronic data may be transferred to different sites within the Company and to outside service providers. Acceptance of an Award constitutes consent by the recipient to the collection, use, processing, transmission, and holding of personal data, in electronic or other form, as required for the implementation, administration, and management of this Award and the LTIP by the Company or its third party administrators within or outside the country in which the recipient resides or works. All such collection, use, processing, transmission and holding of data will comply with applicable privacy protection requirements.

Government Contract Compliance

The Company's Policy on "Business Ethics and Conduct in Contracting with the United States Government" calls for compliance with the letter and spirit of government contracting laws and regulations. In the event of a violation of government contracting laws or regulations, the Committee reserves the right to revoke any outstanding Award.

Interpretations

Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed to them in the LTIP. This Schedule of Terms and each Award Statement are subject in all respects to the terms of the LTIP. In the event that any provision of this Schedule of Terms or any Award Statement is inconsistent with the terms of the LTIP, the terms of the LTIP shall govern. Any question concerning administration or interpretation arising under the Schedule of Terms or any Award Statement shall be determined by the Committee or its delegate, and such determination shall be final and conclusive upon all parties in interest. If this Schedule of Terms or any other document related to this Award is translated into a language other than English and a conflict arises between the English and translated version, the English version will control.

Governing Law

The LTIP, this Schedule of Terms and the Award Statement shall be governed by and construed in accordance with the laws of the State of Delaware.

Additional Information

Questions concerning the Plan or Awards and requests for Plan documents shall be directed to:

Stock Plan Administrator
stockoptionplans@utc.com

OR

United Technologies Corporation
Attn: Stock Plan Administrator
4 Farm Springs Road
Farmington, CT 06032

The Corporation and / or its approved Stock Plan Administrator will send any Award-related communications to the recipient's email address or physical address on record. It is the responsibility of the recipient to ensure that both the e-mail and physical address on record are up-to-date and accurate at all times to ensure delivery of Award-related communications.

**United Technologies Corporation
Long-Term Incentive Plan**

Non-Qualified Stock Option

Schedule of Terms

(Rev. January 2016)

This Schedule of Terms describes the material features of the recipient's Non-qualified Stock Option Award (the "Option Award" or the "Award") granted under the United Technologies Corporation Long-Term Incentive Plan as amended and restated effective April 28, 2014 (the "LTIP"). The Award is subject to this Schedule of Terms and the terms, definitions, and

provisions of the LTIP. The LTIP Prospectus contains detailed information about the LTIP and this Award.

Stock Option Award

A Non-qualified Stock Option (an “Option”) provides the recipient with the right to purchase a specified number of shares of Common Stock of United Technologies Corporation (“Common Stock”) for a specified price (the “Grant Price”) within a specified period of time.

Acknowledgement and Acceptance of Award

The number of Options awarded and the Option grant price are set forth in the Award Statement. The recipient must affirmatively acknowledge and accept the terms and conditions of the Option Award or the Award will be forfeited.

Recipients must acknowledge and accept the terms and conditions of this Option Award electronically via the UBS *One Source* website at www.ubs.com/onesource/UTX. Recipients have 150 days from the date of grant to acknowledge and to accept the award.

Recipients based in certain countries must acknowledge and accept the terms and conditions of this Option Award by signing and returning the designated portion of the Award Statement to the Stock Plan Administrator within 150 days from the date of grant. These countries include Russia, Turkey, Hungary, Slovenia, and Ukraine.

Exercise Price (or “Grant Price”)

The Grant Price represents the Fair Market Value of the Common Stock on the date of grant. Fair Market Value means, as of any given date, the closing price of the Common Stock on the New York Stock Exchange.

Vesting and Expiration

The vesting and expiration dates are each set forth in the Award Statement. Options may be exercised on or after the vesting date until the earlier of the:

- (i) Expiration date specified in the Award Statement, at which time the Options and all associated rights lapse; or
- (ii) Last day permitted following termination of employment as specified in “Termination of Employment” on page 3.

In the event of certain types of misconduct, Awards may be forfeited, including vested Awards and gains realized from prior exercises. See “Forfeiture of Award” on page 4.

Exercise and Payment

While employed by the Company, Options may be exercised on or after the vesting date until the expiration date using the method prescribed by the Corporation. “Company” means United Technologies Corporation (the “Corporation”), and its subsidiaries, divisions and affiliates. Unexercised Options will expire without value on the expiration date. The gross value realized upon the exercise of an Option will equal the difference between the price at the time of exercise, and the Grant Price. The recipient will generally receive shares of Common Stock upon exercise. Options may be paid in cash where local law restricts the distribution of Common Stock.

It is the responsibility of the recipient, or a designated representative, to track the expiration of the Award and exercise Options in a timely manner. The Company assumes no responsibility for and will make no adjustments with respect to Options that expire unexercised. Any communication from the Plan Administrator or the Company to the recipient with respect to expiration is provided as a courtesy only.

Termination of Employment

If the recipient terminates employment for any reason other than death, Disability, or Retirement (including “Rule of 65,” below), unvested Options will be cancelled as of the termination date.

Retirement. The recipient is eligible for Retirement under this Award if the recipient terminates by reason of Normal Retirement or Early Retirement as provided below:

(i) “Normal Retirement” means termination on or after age 65;

(ii) “Early Retirement” means termination on or after:

- (a) Age 55 with 10 or more years of continuous service as of the date of termination; or
- (b) Age 50, but before age 55, and the sum of age and continuous service adds up to 65 or more (“Rule of 65”).

Upon Normal Retirement, Options held for more than one year will immediately vest and become exercisable. Vested Options may be exercised until the expiration of their term.

Upon Early Retirement on or after age 55, unvested Options held for more than one year will immediately vest and become exercisable. Provided the Company consents to the recipient’s Retirement, vested Options may be exercised until the expiration of their term. Otherwise, vested Options may be exercised for three years following the date of termination or until the expiration of the Option, whichever is earlier.

Upon Early Retirement prior to age 55, unvested Options held for more than one year will immediately vest and become exercisable. Provided the Company consents to the recipient’s Retirement, vested Options may be exercised for five years following the date of termination or until the expiration of the Option, whichever is earlier. Otherwise, vested Options may be exercised for three years following the date of termination or until the expiration of the Option, whichever is earlier.

The Company’s consent to the Retirement will be at the sole discretion of the Company based on its ability to effectively transition the recipient’s responsibilities as of the termination date and such other factors as it may deem appropriate.

In all cases, Options held for less than one year as of the termination date will be cancelled without value.

Service used to determine eligibility for Retirement will be based on “Continuous Service” as defined in the UTC Employee Retirement Plan.

Termination. All unvested Options are cancelled as of the termination date.

If voluntary termination occurs before Retirement or meeting the Rule of 65, vested Options may be exercised for up to 90 days (or until the expiration of the Option, if earlier) from the date employment with UTC is terminated.

If involuntary termination occurs, for reasons other than Termination of Employment for Cause, before Retirement, vested Options may be exercised for up to one year (or until the expiration of the Option, if earlier) from the date of such involuntary termination.

Disability. If employment terminates by reason of Disability, vested Options may be exercised for up to three years from the date of termination (or until the expiration of the Option, if earlier). Unvested Options will vest as scheduled and may then be exercised for three years following the vesting date.

Death. Upon a recipient’s death, all unvested Options immediately vest. A recipient’s estate will have three years from the date of death (or until the expiration of the Option, if earlier) to exercise all outstanding Options, provided however, that if an Option expires prior to the expiration of the three year extension period, the Option will be deemed to be exercised by the recipient’s estate as of the Option expiration date with net proceeds held for distribution to the estate.

Different tax rules may apply when the estate or heir exercises the deceased employee’s Options. A personal tax or financial advisor should be consulted under this scenario.

Rehire. If the recipient terminates employment and is then rehired by the Company before the end of the 90 day period immediately following the date of termination, unexercised vested Options and unvested Options that were cancelled because of the termination of employment will be reinstated. Unexercised Options that received accelerated vesting at termination will be subject to the original vesting schedule upon rehire. If the recipient is rehired by the Company after the 90-day period immediately following the date of termination, the recipient will be treated as a new employee and cancelled Options will not be reinstated.

Forfeiture of Award

Options, whether or not vested, shall be forfeited and the recipient will be obligated to repay the gains realized from the

exercise of Options under the following circumstances:

- (i) Termination of Employment for Cause;
- (ii) A restatement of financial results attributable to the recipient's actions, whether intentional or negligent;
- (iii) If within three years following any Termination of Employment, the Committee on Compensation and Executive Development of the Corporation's Board of Directors (the "Committee") or the Company determines that the recipient engaged in conduct that would have constituted the basis for a Termination of Employment for Cause;
- (iv) If at any time during the twenty-four month period immediately following any Termination of Employment, the recipient:
 - (A) Solicits for employment or otherwise attempts to retain the professional services of any individual then employed or engaged by the Company (other than a person performing secretarial or similar services) or who was so employed or engaged during the three month period preceding such solicitation; or
 - (B) Disparages the Company, its executives, directors or products; directly or indirectly, in any capacity or manner, makes any statement of any kind (or cause, further, assist, solicit, encourage, support or participate in the foregoing), whether verbal, in writing, electronically transferred or otherwise, or disclose any items of information which, in either case are or may reasonably be construed to be derogatory, critical or adverse to the interests of the Company; or
- (v) If at any time during the twelve-month period following any Termination of Employment, the recipient becomes employed by, consults for, or otherwise renders services to any business entity or person (i) engaged in activities that compete with the Corporation or the business unit that employed the recipient, or (ii) that is a material customer of or a material supplier to the Corporation or the business unit, unless the recipient has first obtained the consent of the Executive Vice President & CHRO. A recipient shall be deemed to have been employed by each business unit that employed the recipient within the two-year period immediately prior to the date of the Termination of Employment. The recipient agrees that the terms of this paragraph are reasonable. However, if any portion of this paragraph is held by competent authority to be unenforceable, this paragraph shall be deemed amended to limit its scope to the broadest scope that such authority determines is enforceable, and as so amended shall continue in effect. The Recipient acknowledges that this Award shall constitute compensation in satisfaction of this covenant.

Adjustments

If the Corporation effects a subdivision or consolidation of shares of Common Stock or other capital adjustment, the number of Options (and, if applicable, the exercise price) will be adjusted in the same manner and to the same extent as all other shares of Common Stock of the Corporation. In the event of material changes in the capital structure of the Corporation resulting from: the payment of a special dividend (other than regular quarterly dividends) or other distributions to shareowners without receiving consideration therefore; the spin-off of a subsidiary; the sale of a substantial portion of the Corporation's assets; in the event of a merger or consolidation in which the Corporation is not the surviving entity; or other extraordinary non-recurring events affecting the Corporation's capital structure and the value of Common Stock, equitable adjustments shall be made in the terms of outstanding Awards, as the Committee determines to be necessary or appropriate to prevent an increase or decrease in the value of Options relative to Common Stock or the dilution or enlargement of the rights of recipients.

Change-in-Control

In the event of a Change-in-Control or restructuring of the Company, the Committee may (in its sole discretion) take certain actions with respect to out-standing Awards to assure fair and equitable treatment of LTIP Award recipients. Such actions may include the acceleration of the vesting date; offering to purchase an outstanding Award from the holder for its equivalent cash value (as determined by the Committee); or providing for other adjustments or modifications to outstanding Awards as the Committee may deem appropriate.

Awards Not to Affect or Be Affected by Certain Transactions

Option Awards shall not in any way affect the right or power of the Corporation or its shareowners to effect: (a) Any or all adjustments, recapitalizations, reorganizations or other changes in the Corporation's capital structure or its business; (b) Any merger or consolidation of the Corporation; (c) Any issue of bonds, debentures, shares of stock preferred to, or otherwise affecting the Common Stock of the Corporation or the rights of the holders of such Common Stock; (d) The dissolution or liquidation of the Corporation; (e) Any sale or transfer of all or any part of its assets or business; or (f) Any other corporate act or proceeding.

Taxes / Withholding

Recipient is responsible for all income taxes social insurance, payroll tax, payment on account or other tax-related items attributable to any Award (“Tax-Related Items”). The Company shall take such steps as are appropriate to satisfy the obligations with regard to Tax-Related Items. The Company shall have the right to deduct directly from any payment or delivery of shares due to recipient or from recipient’s regular compensation to effect compliance with, all Tax-Related Items including withholding and reporting with respect to the exercise of any Option. Acceptance of an Award constitutes affirmative consent by recipient to such withholding. Recipient acknowledges that the ultimate liability for all Tax-related Items is and remains recipient’s responsibility and may exceed the amount actually withheld by the Company. Further, if recipient has become subject to tax in more than one jurisdiction between the date of grant and the date of any relevant taxable event, recipient acknowledges that the Company may be required to withhold or account for Tax-Related Items in more than one jurisdiction. In those countries where there is no withholding on account of such Tax-Related Items, recipients must pay the appropriate taxes as required by any country where they are subject to tax. In those instances where Company is required to calculate and remit withholding on Tax-Related Items after shares have already been delivered, recipient shall pay the Company any amount of Tax-Related Items that Company is required to account for. The Company may refuse to distribute an Award if Recipient fails to comply with his or her obligations in connection with Tax-Related Items.

Vesting/ Taxes Due. If recipient is subject to tax in the U.S., the value of the Award as of the Vesting Date will be subject to FICA withholding in that same calendar year. If recipient is responsible for a Tax-Related Item in a country outside the U.S. (“Foreign Country”) and if pursuant to the rules regarding such Tax-Related Item in such Foreign Country, recipient will be liable for such Tax-Related Item prior to the date that recipient is issued shares pursuant to this Award, the Committee, in its discretion, may accelerate vesting and settlement of a portion of the Award to the extent necessary to pay the foreign Tax-Related Items due (and any applicable U.S. income taxes due as a result of the acceleration of vesting and settlement) but only if such acceleration does not result in taxation under Section 409A (as permitted under Treasury Regulation Section 1.409A-3(j)(4)(xi)).

Nonassignability

Unless otherwise prescribed by the Committee, no assignment or transfer of any right or interest of a recipient in any Option, whether voluntary or involuntary, by operation of law or otherwise, will be permitted except by will or the laws of descent and distribution. Any attempt to assign such rights or interest shall be void and without force or effect.

Nature of Payments

All Awards made pursuant to the LTIP are in consideration of services performed for the Company. Any gains realized pursuant to such Awards constitute a special incentive payment to the recipient and shall not be taken into account as compensation for purposes of any of the employee benefit plans of the Company. Awards are made at the discretion of the Committee. Receipt of a current Award does not guarantee receipt of a future Award.

Right of Discharge Reserved

Nothing in the LTIP or in any Option Award shall confer upon any recipient the right to continued employment or service for any period of time, or affect any right that the Company may have to terminate the employment or service of such recipient at any time for any reason.

Administration

Awards granted pursuant to the LTIP shall be interpreted and administered by the Committee. The Committee shall establish such procedures, as it deems necessary and appropriate to administer Awards in a manner that is consistent with the terms of the LTIP. The Committee’s decision on any matter related to an Award shall be binding and conclusive. Under the LTIP, subject to certain limitations, the Committee has delegated to the Chief Executive Officer the authority to grant Awards, and has further delegated the authority to administer and interpret Awards to the Executive Vice President & CHRO, and to such subordinates as he or she may further delegate. Awards to employees of the Company who are either reporting persons under Section 16 of the Securities Exchange Act of 1934 (“Insiders”) or members of the Company’s Executive Leadership Group will be granted, administered, and interpreted exclusively by the Committee.

Data Privacy

The Corporation maintains electronic records for the purpose of administering the LTIP and individual Awards. In the normal course of plan administration, electronic data may be transferred to different sites within the Company and to outside service providers. Acceptance of an Award constitutes consent by the recipient to the collection, use, processing, transmission and holding of personal data, in electronic or other form, as required for the implementation, administration, and management of this Award and the LTIP by the Company or its third party administrators within or outside the country in which the recipient resides or works. All such collection, use, processing, transmission, and holding of data will comply with applicable privacy protection requirements.

Government Contract Compliance

The Company Policy on “Business Ethics and Conduct in Contracting with the United States Government” calls for compliance with the letter and spirit of government contracting laws and regulations. In the event of a violation of government contracting laws or regulations, the Committee reserves the right to revoke any outstanding Award.

Interpretations

Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed to them in the LTIP. This Schedule of Terms and each Award Statement are subject in all respects to the terms of the LTIP. In the event that any provision of this Schedule of Terms or any Award Statement is inconsistent with the terms of the LTIP, the terms of the LTIP shall govern. Any question concerning administration or interpretation arising under the Schedule of Terms or any Award Statement shall be determined by the Committee or its delegate, and such determination shall be final and conclusive upon all parties in interest. If this Schedule of Terms or any other document related to this Award is translated into a language other than English and a conflict arises between the English and translated version, the English version will control.

Governing Law

The LTIP, this Schedule of Terms and the Award Statement shall be governed by and construed in accordance with the laws of the State of Delaware.

Additional Information

Questions concerning the Plan or Awards and requests for Plan documents shall be directed to:

Stock Plan Administrator
stockoptionplans@utc.com

OR

United Technologies Corporation
Attn: Stock Plan Administrator
4 Farm Springs Road
Farmington, CT 06032

The Corporation and / or its approved Stock Plan Administrator will send any Award-related communications to the recipient’s email address or physical address on record. It is the responsibility of the recipient to ensure that both the e-mail and physical address on record are up-to-date and accurate at all times to ensure delivery of Award-related communications.

**United Technologies Corporation
Long-Term Incentive Plan**

Performance Share Unit Award

Schedule of Terms

(Rev. January 2016)

This Schedule of Terms describes the material features of the recipient's Performance Share Unit Award (the "PSU Award" or the "Award") granted under the United Technologies Corporation Long-Term Incentive Plan as amended and restated effective April 28, 2014 (the "LTIP"). The Award is subject to this Schedule of Terms and the terms, definitions, and provisions of the LTIP. The LTIP Prospectus contains detailed information about the LTIP and this Award.

Performance Share Unit

A Performance Share Unit (a “PSU”) is equal in value to one share of common stock of United Technologies Corporation (the “Common Stock”). PSUs are generally convertible into shares of Common Stock if, to the extent the associated pre-established performance targets are achieved, and the recipient remains employed by the Company at the end of the performance measurement period. (see “Vesting” below). “Company” means United Technologies Corporation (the “Corporation”), and its subsidiaries, divisions and affiliates.

Acknowledgement and Acceptance of Award

The number of PSUs awarded is set forth in the Award Statement. The recipient must affirmatively acknowledge and accept the terms and conditions of the PSU Award or the Award will be forfeited.

Recipients must acknowledge and accept the terms and conditions of this PSU Award electronically via the UBS *One Source* website at www.ubs.com/onesource/UTX. Recipients have 150 days from the date of grant to acknowledge and to accept the Award.

Recipients based in certain countries must acknowledge and accept the terms and conditions of this PSU Award by signing and returning the designated portion of the Award Statement to the Stock Plan Administrator within 150 days from the date of grant. These countries include Russia, Turkey, Hungary, Slovenia, and Ukraine.

Vesting

PSUs vest only if pre-established performance targets are achieved and the recipient has not terminated his employment prior to the end of the performance measurement period. Potential performance targets include: (i) Diluted earnings per share (“EPS”); (ii) Total shareholder return (“TSR”); (iii) Working capital and gross inventory turnover; (iv) Net Income; (v) Revenue growth; (vi) Return on Invested Capital (“ROIC”); (vii) return on net assets (“RONA”); (viii) Earnings before interest and taxes (“EBIT”); (ix) free cash flow; (x) segment profit; and (xi) return on sales (“ROS”). A PSU Award may be subject to a single or multiple performance targets. The Award Statement will specify the applicable performance targets, the performance period and vesting date, the minimum performance required for vesting, the range of vesting relative to measured performance and, if multiple performance targets apply, the relative weighting of each.

2016 Performance targets include: (i) Diluted earnings per share (“EPS”); (ii) Total shareholder return (“TSR”); and (iii) Return on Invested Capital (“ROIC”).

Earnings Per Share (“EPS”) is net income divided by average diluted shares. EPS excludes items affecting comparability and may be adjusted positively or negatively for the purpose of excluding items unrelated to the underlying performance measured by this metric. Any such adjustments will be made by the Committee when necessary and appropriate for the purpose of preserving the validity of the measured performance. EPS Growth is calculated as a Compound Annual Growth Rate over three years.

Total Shareholder Return (“TSR”) is the change in share price over the cumulative three-year performance period (plus reinvested dividends) divided by the share price at the beginning of the three year period. TSR is calculated using the trailing November/December average share price for the beginning and end of the 3-year period as calculated by Standard & Poor’s. Relative TSR is the rank of UTC’s TSR among S&P 500 companies. If Relative TSR is negative for the three-year performance period, the maximum payout percentage shall be 100% for the TSR component of the award.

Return on Invested Capital (“ROIC”) is the ratio of Net Operating Profit After Tax (“NOPAT”) to Invested Capital (“IC”). ROIC will be measured on an average quarterly basis over the three-year performance period of the Award. ROIC will be based on continuing operations and subject to adjustments for restructuring, non-recurring and other significant defined non-operational items. ROIC may be subject to additional pre-established adjustments made by the Committee, when necessary and appropriate, for the purpose of preserving the validity of the measured performance.

In the event of certain types of misconduct, Awards may be forfeited, including vested Awards and gains realized from prior Awards. See “Forfeiture of Award” on page 4.

No Shareowner Rights

A PSU is the right to receive a share of Common Stock in the future, subject to continued employment and achievement of

performance targets. The holder of a PSU has no voting, dividend or other rights accorded to owners of Common Stock.

Payment/Conversion of PSUs

PSUs will generally be converted into shares of Common Stock, effective as of the vesting date, when the Committee on Compensation and Executive Development of the Corporation's Board of Directors (the "Committee") determines if, and to what extent, PSUs have vested as a result of the achievement of performance targets. If performance targets are not met, the PSUs that do not vest will be cancelled without value. PSUs may be paid in cash where local law restricts the distribution of Common Stock.

Termination of Employment

If the recipient terminates employment prior to the end of the performance measurement period for any reason other than death, Disability, or Retirement (including "Rule of 65," detailed below), unvested PSUs will be cancelled as of the termination date.

Retirement. The recipient is eligible for Retirement under this Award if the recipient terminates by reason of Normal Retirement or Early Retirement as provided below:

- (i) "Normal Retirement" means termination on or after age 65;
- (ii) "Early Retirement" means termination on or after:
 - (a) Age 55 with 10 or more years of continuous service as of the date of termination; or
 - (b) Age 50, but before age 55, and the sum of age and continuous service adds up to 65 or more ("Rule of 65").

Upon Retirement, unvested PSUs that have been held for at least one year prior to the termination date will remain outstanding and eligible to vest as scheduled, if and to the extent the Committee determines that performance targets have been achieved.

In all cases, PSUs held for less than one year as of the termination date will be cancelled without value.

Service used to determine eligibility for Retirement or the Rule of 65 will be based on "Continuous Service" as defined in the UTC Employee Retirement Plan.

Disability. If employment terminates by reason of Disability, unvested PSUs will not be forfeited. As long as recipient remains disabled under the Company's long-term disability plan applicable to the recipient, PSUs not yet vested will remain eligible to vest per the terms of the Award.

Death. If the recipient dies while an active employee of the Company, the number of PSUs awarded will vest and be converted to shares of Common Stock (at target) effective as of the date of death. The shares will be delivered to the estate of the recipient as soon as administratively practicable.

Rehire. If the recipient terminates employment and is then rehired by the Company before the end of the 90-day period immediately following the date of termination, unvested PSUs that were cancelled because of the termination of employment will be reinstated. If the recipient is rehired by the Company after the 90-day period immediately following the date of termination, the recipient will be treated as a new employee and cancelled PSUs will not be reinstated.

Forfeiture of Award

PSUs shall be forfeited and the recipient will be obligated to repay the value realized from the conversion of PSUs into shares of unrestricted Common Stock under the following circumstances:

- (i) Termination of Employment for Cause;
 - (ii) A restatement of financial results attributable to the recipient's actions, whether intentional or negligent;
 - (iii) The Committee determines that Award vesting was based on incorrect performance measurement calculations. In such event, vesting (and recoupment, if applicable) will be adjusted consistent with the actual corrected results;
 - (iv) If within three years following any Termination of Employment, the Committee or the Company determines that the recipient engaged in conduct that would have constituted the basis for a Termination of Employment for Cause;
 - (v) If at any time during the twenty-four month period immediately following any Termination of Employment, the recipient:
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- (A) Solicits for employment or otherwise attempts to retain the professional services of any individual then employed or engaged by the Company (other than a person performing secretarial or similar services) or who was so employed or engaged during the three month period preceding such solicitation; or
 - (B) Disparages the Company, its executives, directors or products; directly or indirectly, in any capacity or manner, makes any statement of any kind (or cause, further, assist, solicit, encourage, support or participate in the foregoing), whether verbal, in writing, electronically transferred or otherwise, or discloses any items of information which, in either case are or may reasonably be construed to be derogatory, critical or adverse to the interests of the Company; or
- (vi) If at any time during the twelve-month period following any Termination of Employment, the recipient becomes employed by, consults for, or otherwise renders services to any business entity or person (i) engaged in activities that compete with the Corporation or the business unit that employed the recipient, or (ii) that is a material customer of or a material supplier to the Corporation or the business unit that employed the recipient, unless the recipient has first obtained the consent of the Executive Vice President & CHRO. A recipient shall be deemed to have been employed by each business unit that employed the recipient within the two-year period immediately prior to the date of the Termination of Employment. The recipient agrees that the terms of this paragraph are reasonable. However, if any portion of this paragraph is held by competent authority to be unenforceable, this paragraph shall be deemed amended to limit its scope to the broadest scope that such authority determines is enforceable, and as so amended shall continue in effect. The Recipient acknowledges that this Award shall constitute compensation in satisfaction of this covenant.

Adjustments

If the Corporation effects a subdivision or consolidation of shares of Common Stock or other capital adjustment, the number of PSUs (and the number of shares of Common Stock that will be issued upon conversion) shall be adjusted in the same manner and to the same extent as all other shares of Common Stock of the Corporation. In the event of material changes in the capital structure of the Corporation resulting from: the payment of a special dividend (other than regular quarterly dividends) or other distributions to shareowners without receiving consideration therefore; the spin-off of a subsidiary; the sale of a substantial portion of the Corporation's assets; in the event of a merger or consolidation in which the Corporation is not the surviving entity; or other extraordinary non-recurring events affecting the Corporation's capital structure and the value of Common Stock, equitable adjustments shall be made in the terms of outstanding Awards, including the number of PSUs and underlying shares of Common Stock as the Committee determines are necessary or appropriate to prevent an increase or decrease in the value of PSUs relative to Common Stock or the dilution or enlargement of the rights of recipients.

Change-in-Control

In the event of a Change-in-Control or restructuring of the Company, the Committee may (in its sole discretion) take certain actions with respect to out-standing Awards to assure fair and equitable treatment of LTIP Award recipients. Such actions may include the acceleration of the vesting date; offering to purchase an outstanding Award from the holder for its equivalent cash value (as determined by the Committee); or providing for other adjustments or modifications to outstanding Awards as the Committee may deem appropriate.

Awards Not to Affect or Be Affected by Certain Transactions

PSU Awards shall not in any way affect the right or power of the Corporation or its shareowners to effect: (a) Any or all adjustments, recapitalizations, reorganizations or other changes in the Corporation's capital structure or its business; (b) Any merger or consolidation of the Corporation; (c) Any issue of bonds, debentures, shares of stock preferred to, or otherwise affecting the Common Stock of the Corporation or the rights of the holders of such Common Stock; (d) The dissolution or liquidation of the Corporation; (e) any sale or transfer of all or any part of its assets or business; or (f) Any other corporate act or proceeding.

Taxes / Withholding

Recipient is responsible for all income taxes, social insurance, payroll tax, payment on account or other tax-related items attributable to any Award ("Tax-Related Items"). The closing price of Common Stock on the New York Stock Exchange on the vesting date will be used to calculate income realized from the vesting of PSUs. The Company shall take such steps as are appropriate to satisfy the obligations with regard to Tax-Related Items. The Company shall have the right to deduct directly from any payment or delivery of shares due to recipient or from recipient's regular compensation to effect compliance with all Tax-Related Items including withholding and reporting with respect to the vesting of any PSU. Acceptance of an Award

constitutes affirmative consent by recipient to such withholding. Recipient acknowledges that the ultimate liability for all Tax-Related Items is and remains recipient's responsibility and may exceed the amount actually withheld by the Company. Further, if recipient has become subject to tax in more than one jurisdiction between the date of grant and the date of any relevant taxable event, recipient acknowledges that the Company may be required to withhold or account for Tax-Related Items in more than one jurisdiction. In those countries where there is no withholding on account of such Tax-Related Items, recipients must pay the appropriate taxes as required by any country where they are subject to tax. In those instances where Company is required to calculate and remit withholding on Tax-Related Items after shares have already been delivered, recipient shall pay the Company any amount of Tax-Related Items that Company is required to account for. The Company may refuse to distribute an Award if Recipient fails to comply with his or her obligations in connection with Tax-Related Items.

Vesting / Taxes Due. If recipient is subject to tax in the U.S., the value of the Award as of the Vesting Date will be subject to FICA withholding in that same calendar year. If recipient is responsible for a Tax-Related Item in a country outside the U.S. ("Foreign Country") and if pursuant to the rules regarding such Tax-Related Item in such Foreign Country, recipient will be liable for such Tax-Related Item prior to the date that recipient is issued shares pursuant to this Award, the Committee, in its discretion, may accelerate vesting and settlement of a portion of the Award to the extent necessary to pay the foreign Tax-Related Items due (and any applicable U.S. income taxes due as a result of the acceleration of vesting and settlement) but only if such acceleration does not result in taxation under Section 409A (as permitted under Treasury Regulation Section 1.409A-3(j)(4)(xi)).

Deferral of Gain (U.S. based executives)

A recipient who qualifies as a Participant under the LTIP PSU Deferral Plan may irrevocably elect to defer the conversion of vested PSUs into shares of Common Stock to a date that is at least five years after the scheduled vesting date. The election to defer the conversion of shares must be made no later than the end of the second year of the performance measurement period, or such earlier date as may be specified by the Committee. Vested PSUs subject to a deferral election will be converted to unfunded deferred share units that will convert into shares of Common Stock on the distribution date as specified in the deferral election and the LTIP PSU Deferral Plan. Deferred share units will be credited with dividend equivalents. Under U.S. income tax law, a recipient will generally not be taxed until the resulting deferred share units are converted to shares of Common Stock and distributed. Deferred share units will not be funded by the Company. In this regard, a recipient's rights to deferred share units are those of a general unsecured creditor of the Company. Details of the deferral of PSUs into deferred share units will be provided with the election materials. The opportunity to make such an election is subject to changes in Federal tax law. The Committee reserves the right to discontinue offering PSU deferral elections at any time for any reason it deems appropriate in its sole discretion.

Nonassignability

Unless otherwise prescribed by the Committee, no assignment or transfer of any right or interest of a recipient in any PSU, whether voluntary or involuntary, by operation of law or otherwise, shall be permitted except by will or the laws of descent and distribution. Any attempt to assign such rights or interest shall be void and without force or effect.

Nature of Payments

All Awards made pursuant to the LTIP are in consideration of services performed for the Company. Any gains realized pursuant to such Awards constitute a special incentive payment to the recipient and shall not be taken into account as compensation for purposes of any of the employee benefit plans of the Company. Receipt of a current Award does not guarantee receipt of a future Award.

Right of Discharge Reserved

Nothing in the LTIP or in any PSU Award shall confer upon any recipient the right to continued employment or service for any period of time, or affect any right that the Company may have to terminate the employment or service of such recipient at any time for any reason.

Administration

Awards granted pursuant to the LTIP shall be interpreted and administered by the Committee. The Committee shall establish such procedures as it deems necessary and appropriate to administer Awards in a manner that is consistent with the terms of the LTIP. The Committee's decision on any matter related to an Award shall be binding and conclusive. Under the LTIP, subject to certain limitations, the Committee has delegated to the Chief Executive Officer the authority to grant Awards, and has further

delegated the authority to administer and interpret Awards to the Executive Vice President & CHRO and to such subordinates as he or she may further delegate. Awards to employees of the Company who are either reporting persons under Section 16 of the Securities Exchange Act of 1934 (“Insiders”) or members of the Company’s Executive Leadership Group will be granted, administered, and interpreted exclusively by the Committee.

Data Privacy

The Corporation maintains electronic records for the purpose of administering the LTIP and individual Awards. In the normal course of plan administration, electronic data may be transferred to different sites within the Company and to outside service providers. Acceptance of an Award constitutes consent by the recipient to the collection, use, processing, transmission and holding of personal data, in electronic or other form, as required for the implementation, administration, and management of this Award and the LTIP by the Company or its third party administrators within or outside the country in which the recipient resides or works. All such collection, use, processing, transmission and holding of data shall comply with applicable privacy protection requirements.

Government Contract Compliance

The Company’s Policy on “Business Ethics and Conduct in Contracting with the United States Government” calls for compliance with the letter and spirit of government contracting laws and regulations. In the event of a violation of government contracting laws or regulations, the Committee reserves the right to revoke any outstanding Award.

Interpretations

Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed to them in the LTIP. This Schedule of Terms and each Award Statement is subject in all respects to the terms of the LTIP. In the event that any provision of this Schedule of Terms or any Award Statement is inconsistent with the terms of the LTIP, the terms of the LTIP shall govern. Any question concerning administration or interpretation arising under the Schedule of Terms or any Award Statement shall be determined by the Committee or its delegate, and such determination shall be final and conclusive upon all parties in interest. If this Schedule of Terms or any other document related to this Award is translated into a language other than English and a conflict arises between the English and translated version, the English version will control.

Governing Law

The LTIP, this Schedule of Terms and the Award Statement shall be governed by and construed in accordance with the laws of the State of Delaware.

Additional Information

Questions concerning the Plan or Awards and requests for Plan documents shall be directed to:

Stock Plan Administrator
stockoptionplans@utc.com

OR

United Technologies Corporation
Attn: Stock Plan Administrator
4 Farm Springs
Farmington, CT 06032

The Corporation and / or its approved Stock Plan Administrator will send any Award-related communications to the recipient’s email address or physical address on record. It is the responsibility of the recipient to ensure that both the e-mail and physical address on record are up-to-date and accurate at all times to ensure delivery of Award-related communications .

**United Technologies Corporation
Long-Term Incentive Plan**

Stock Appreciation Right

Schedule of Terms

(Rev. January 2016)

This Schedule of Terms describes the material features of the recipient's Stock Appreciation Right Award (the "SAR Award" or the "Award") granted under the United Technologies Corporation Long-Term Incentive Plan as amended and restated effective April 28, 2014 (the "LTIP"). The Award is subject to this Schedule of Terms and the terms, definitions, and provisions of the

LTIP. The LTIP Prospectus contains detailed information about the LTIP and this Award.

Stock Appreciation Right Award

A Stock Appreciation Right (a “SAR”) provides the recipient with the right to the appreciation in the Common Stock of United Technologies Corporation (the “Common Stock”) measured from the date of grant to the date of exercise. SARs are generally exercisable if the recipient remains employed by the Company on the vesting date in accordance with the vesting schedule set forth on the Award Statement (see “Vesting” below.) “Company” means United Technologies Corporation (the “Corporation”), and its subsidiaries, divisions and affiliates.

Acknowledgement and Acceptance of Award

The number of SARs awarded and the SAR grant price are set forth in the Award Statement. The recipient must affirmatively acknowledge and accept the terms and conditions of the SAR Award or the Award will be forfeited.

Recipients must acknowledge and accept the terms and conditions of this SAR Award electronically via the UBS *One Source* website at www.ubs.com/onesource/UTX. Recipients have 150 days from the date of grant to acknowledge and to accept the Award.

Recipients based in certain countries must acknowledge and accept the terms and conditions of this SAR Award by signing and returning the designated portion of the Award Statement to the Stock Plan Administrator within 150 days from the date of grant. These countries include Russia, Turkey, Hungary, Slovenia, and Ukraine.

Exercise Price (or “Grant Price”)

The Grant Price represents the Fair Market Value of the Corporation’s Common Stock on the date of grant. Fair Market Value means, as of any given date, the closing price of the Corporation’s Common Stock on the New York Stock Exchange.

Vesting and Expiration

The vesting and expiration dates are each set forth in the Award Statement. SARs may be exercised on or after the vesting date until the earlier of the:

- (i) Expiration date specified in the Award Statement, at which time the SARs and all associated rights lapse; or
- (ii) Last day permitted following termination of employment as specified in “Termination of Employment” on page 3.

In the event of certain types of misconduct, Awards may be forfeited, including vested Awards and gains realized from prior exercises. See “Forfeiture of Award” on page 4.

No shareowner rights

A SAR is the right to the appreciation in Common Stock, subject to continued employment. The holder of a SAR has no voting, dividend or other rights accorded to owners of Common Stock.

Exercise and Payment

While employed by the Company, SARs may be exercised on or after the vesting date until the expiration date using the method prescribed by the Corporation. Unexercised SARs will expire without value on the expiration date. The gross value realized upon the exercise of a SAR will equal the difference between the price at the time of exercise, and the Grant Price. The recipient will generally receive shares of Common Stock upon exercise. SARs may be paid in a cash equivalent value where local law restricts the distribution of Common Stock.

It is the responsibility of the recipient, or a designated representative, to track the expiration of the Award and exercise SARs in a timely manner. The Company assumes no responsibility for and will make no adjustments with respect to SARs that expire unexercised. Any communication from the Plan Administrator or the Company to the recipient with respect to expiration is provided as a courtesy only.

Termination of Employment

If the recipient terminates employment for any reason other than death, Disability, or Retirement (including “Rule of 65,” detailed below), unvested SARs will be cancelled as of the termination date.

Retirement. The recipient is eligible for Retirement under this Award if the recipient terminates by reason of Normal Retirement or Early Retirement as provided below:

- (i) “Normal Retirement” means termination on or after age 65;
- (ii) “Early Retirement” means termination on or after:
 - (a) Age 55 with 10 or more years of continuous service as of the date of termination; or
 - (b) Age 50, but before age 55, and the sum of age and continuous service adds up to 65 or more (“Rule of 65”).

Upon Normal Retirement, SARs held for more than one year will immediately vest and become exercisable. Vested SARs may be exercised until the expiration of their term.

Upon Early Retirement on or after age 55, unvested SARs held for more than one year will immediately vest and become exercisable. Provided the Company consents to the recipient’s Retirement, vested SARs may be exercised until the expiration of their term. Otherwise, vested SARs may be exercised for three years following the date of termination or until the expiration of the SAR, whichever is earlier.

Upon Early Retirement prior to age 55, unvested SARs held for more than one year will immediately vest and become exercisable. Provided the Company consents to the recipient’s Retirement, vested SARs may be exercised for five years following the date of termination or until the expiration of the Option, whichever is earlier. Otherwise, vested SARs may be exercised for three years following the date of termination or until the expiration of the Option, whichever is earlier.

The Company’s consent to the Retirement will be at the sole discretion of the Company based on its ability to effectively transition the recipient’s responsibilities as of the termination date and such other factors as it may deem appropriate.

In all cases, SARs held for less than one year as of the termination date will be cancelled without value.

Service used to determine eligibility for Retirement will be based on “Continuous Service” as defined in the UTC Employee Retirement Plan.

Termination. All unvested SARs are cancelled as of the termination date.

If voluntary termination occurs before Retirement, vested SARs may be exercised for up to 90 days (or until the expiration of the SAR, if earlier) from the date employment with UTC is terminated.

If involuntary termination occurs, for reasons other than Termination of Employment for Cause, before Retirement, vested SARs may be exercised for up to one year (or until the expiration of the SAR, if earlier) from the date of such involuntary termination.

Disability. If employment terminates by reason of Disability, vested SARs may be exercised for up to three years from the date of termination (or until the expiration of the SAR, if earlier). Unvested SARs will remain eligible to vest as scheduled and may then be exercised for three years following the vesting date.

Death. Upon a recipient’s death, all unvested SARs immediately vest. A recipient’s estate will have three years from the date of death (or until the expiration of the SAR, if earlier) to exercise all outstanding SARs, provided however, that if a SAR expires prior to the expiration of the three year extension period, the SAR will be deemed to be exercised by the recipient’s estate as of the SAR expiration date with net proceeds held for distribution to the estate.

Different tax rules may apply when the estate or heir exercises the deceased employee’s SARs. A personal tax or financial advisor should be consulted under this scenario.

Rehire. If the recipient terminates employment and is then rehired by the Company before the end of the 90 day period immediately following the date of termination, unexercised vested SARs and unvested SARs that were cancelled because of the

termination of employment will be reinstated. Unexercised SARs that received accelerated vesting at termination will be subject to the original vesting schedule upon rehire. If the recipient is rehired by the Company after the 90-day period immediately following the date of termination, the recipient will be treated as a new employee and cancelled SARs will not be reinstated.

Forfeiture of Award

SARs, whether or not vested, shall be forfeited and the recipient will be obligated to repay the gains realized from the exercise of SARs under the following circumstances:

- (i) Termination of Employment for Cause;
- (ii) A restatement of financial results attributable to the recipient's actions, whether intentional or negligent;
- (iii) If within three years following any Termination of Employment, the Committee on Compensation and Executive Development of the Corporation's Board of Directors (the "Committee") or the Company determines that the recipient engaged in conduct that would have constituted the basis for a Termination of Employment for Cause;
- (iv) If at any time during the twenty-four month period immediately following any Termination of Employment, the recipient:
 - (A) Solicits for employment or otherwise attempts to retain the professional services of any individual then employed or engaged by the Company (other than a person performing secretarial or similar services) or who was so employed or engaged during the three month period preceding such solicitation; or
 - (B) Disparages the Company, its executives, directors or products; directly or indirectly, in any capacity or manner, makes any statement of any kind (or cause, further, assist, solicit, encourage, support or participate in the foregoing), whether verbal, in writing, electronically transferred or otherwise, or discloses any items of information which, in either case are or may reasonably be construed to be derogatory, critical or adverse to the interests of the Company; or
- (v) If at any time during the twelve-month period following any Termination of Employment, the recipient becomes employed by, consults for, or otherwise renders services to any business entity or person (i) engaged in activities that compete with the Corporation or the business unit that employed the recipient, or (ii) that is a material customer of or a material supplier to the Corporation or the business unit, unless the recipient has first obtained the consent of the Executive Vice President & CHRO. A recipient shall be deemed to have been employed by each business unit that employed the recipient within the two-year period immediately prior to the date of the Termination of Employment. The recipient agrees that the terms of this paragraph are reasonable. However, if any portion of this paragraph is held by competent authority to be unenforceable, this paragraph shall be deemed amended to limit its scope to the broadest scope that such authority determines is enforceable, and as so amended shall continue in effect. The Recipient acknowledges that this Award shall constitute compensation in satisfaction of this covenant.

Adjustments

If the Corporation effects a subdivision or consolidation of shares of Common Stock or other capital adjustment, the number of SARs (and, if applicable, the exercise price) will be adjusted in the same manner and to the same extent as all other shares of Common Stock of the Corporation. In the event of material changes in the capital structure of the Corporation resulting from: the payment of a special dividend (other than regular quarterly dividends) or other distributions to shareowners without receiving consideration therefore; the spin-off of a subsidiary; the sale of a substantial portion of the Corporation's assets; in the event of a merger or consolidation in which the Corporation is not the surviving entity; or other extraordinary non-recurring events affecting the Corporation's capital structure and the value of Common Stock, equitable adjustments shall be made in the terms of outstanding Awards, as the Committee determines to be necessary or appropriate to prevent an increase or decrease in the value of SARs relative to Common Stock or the dilution or enlargement of the rights of recipients.

Change-in-Control

In the event of a Change-in-Control or restructuring of the Company, the Committee may (in its sole discretion) take certain actions with respect to outstanding Awards to assure fair and equitable treatment of LTIP Award recipients. Such actions may include the acceleration of the vesting date; offering to purchase an outstanding Award from the holder for its equivalent cash value (as determined by the Committee); or providing for other adjustments or modifications to outstanding Awards as the Committee may deem appropriate.

Awards Not to Affect or Be Affected by Certain Transactions

SAR Awards shall not in any way affect the right or power of the Corporation or its shareowners to effect: (a) Any or all adjustments, recapitalizations, reorganizations or other changes in the Corporation's capital structure or its business; (b) Any merger or consolidation of the Corporation; (c) Any issue of bonds, debentures, shares of stock preferred to, or otherwise affecting the Common Stock of the Corporation or the rights of the holders of such Common Stock; (d) The dissolution or liquidation of the Corporation; (e) Any sale or transfer of all or any part of its assets or business; or (f) Any other corporate act or proceeding.

Taxes / Withholding

Recipient is responsible for all income taxes, social insurance, payroll tax, payment on account or other tax-related items attributable to any Award ("Tax-Related Items"). The Company shall take such steps as are appropriate to satisfy the obligations with regard to Tax-Related Items. The Company shall have the right to deduct directly from any payment or delivery of shares due to recipient or from recipient's regular compensation to effect compliance with all Tax-Related Items including withholding and reporting with respect to the exercise of any SAR. Acceptance of an Award constitutes affirmative consent by recipient to such withholding. Recipient acknowledges that the ultimate liability for all Tax-Related Items is and remains recipient's responsibility and may exceed the amount actually withheld by the Company. Further, if recipient has become subject to tax in more than one jurisdiction between the date of grant and the date of any relevant taxable event, recipient acknowledges that the Company may be required to withhold or account for Tax-Related Items in more than one jurisdiction. In those countries where there is no withholding on account of such Tax-Related Items, recipients must pay the appropriate taxes as required by any country where they are subject to tax. In those instances where Company is required to calculate and remit withholding on Tax-Related Items after shares have already been delivered, recipient shall pay the Company any amount of Tax-Related Items that Company is required to account for. The Company may refuse to distribute an Award if Recipient fails to comply with his or her obligations in connection with Tax-Related Items.

Vesting / Taxes Due If recipient is subject to tax in the U.S., the value of the Award as of the Vesting Date will be subject to FICA withholding in that same calendar year. If recipient is responsible for a Tax-Related Item in a country outside the U.S. ("Foreign Country") and if pursuant to the rules regarding such Tax-Related Item in such Foreign Country, recipient will be liable for such Tax-Related Item prior to the date that recipient is issued shares pursuant to this Award, the Committee, in its discretion, may accelerate vesting and settlement of a portion of the Award to the extent necessary to pay the foreign Tax-Related Items due (and any applicable U.S. income taxes due as a result of the acceleration of vesting and settlement) but only if such acceleration does not result in taxation under Section 409A (as permitted under Treasury Regulation Section 1.409A-3(j)(4)(xi)).

Nonassignability

Unless otherwise prescribed by the Committee, no assignment or transfer of any right or interest of a recipient in any SAR, whether voluntary or involuntary, by operation of law or otherwise, will be permitted except by will or the laws of descent and distribution. Any attempt to assign such rights or interest shall be void and without force or effect.

Nature of Payments

All Awards made pursuant to the LTIP are in consideration of services performed for the Company. Any gains realized pursuant to such Awards constitute a special incentive payment to the recipient and shall not be taken into account as compensation for purposes of any of the employee benefit plans of the Company. Awards are made at the discretion of the Committee. Receipt of a current Award does not guarantee receipt of a future Award.

Right of Discharge Reserved

Nothing in the LTIP or in any PSU Award shall confer upon any recipient the right to continued employment or service for any period of time, or affect any right that the Company may have to terminate the employment or service of such recipient at any time for any reason.

Administration

Awards granted pursuant to the LTIP shall be interpreted and administered by the Committee. The Committee shall establish such procedures as it deems necessary and appropriate to administer Awards in a manner that is consistent with the terms of the LTIP. The Committee's decision on any matter related to an Award shall be binding and conclusive. Under the LTIP, subject to certain limitations, the Committee has delegated to the Chief Executive Officer the authority to grant Awards, and has further delegated the authority to administer and interpret Awards to the Executive Vice President & CHRO, and to such subordinates as he or she may further delegate. Awards to employees of the Company who are either reporting persons under Section 16 of the Securities Exchange Act of 1934 ("Insiders") or members of the Company's Executive Leadership Group will be granted, administered, and interpreted exclusively by the Committee.

Data Privacy

The Corporation maintains electronic records for the purpose of administering the LTIP and individual Awards. In the normal course of plan administration, electronic data may be transferred to different sites within the Company and to outside service providers. Acceptance of an Award constitutes consent by the recipient to the collection, use, processing, transmission, and holding of personal data, in electronic or other form, as required for the implementation, administration, and management of this Award and the LTIP by the Company or its third party administrators within or outside the country in which the recipient resides or works. All such collection, use, processing, transmission, and holding of data will comply with applicable privacy protection requirements.

Government Contract Compliance

The Company's Policy on "Business Ethics and Conduct in Contracting with the United States Government" calls for compliance with the letter and spirit of government contracting laws and regulations. In the event of a violation of government contracting laws or regulations, the Committee reserves the right to revoke any outstanding Award.

Interpretations

Capitalized terms used but not otherwise defined herein shall have the respective meanings ascribed to them in the LTIP. This Schedule of Terms and each Award Statement are subject in all respects to the terms of the LTIP. In the event that any provision of this Schedule of Terms or any Award Statement is inconsistent with the terms of the LTIP, the terms of the LTIP shall govern. Any question concerning administration or interpretation arising under the Schedule of Terms or any Award Statement shall be determined by the Committee or its delegate, and such determination shall be final and conclusive upon all parties in interest. If this Schedule of Terms or any other document related to this Award is translated into a language other than English and a conflict arises between the English and translated version, the English version will control.

Governing Law

The LTIP, this Schedule of Terms and the Award Statement shall be governed by and construed in accordance with the laws of the State of Delaware.

Additional Information

Questions concerning the Plan or Awards and requests for Plan documents shall be directed to:

Stock Plan Administrator
stockoptionplans@utc.com

OR

United Technologies Corporation
Attn: Stock Plan Administrator
4 Farm Springs
Farmington, CT 06032

The Corporation and / or its approved Stock Plan Administrator will send any Award-related communications to the recipient's email address or physical address on record. It is the responsibility of the recipient to ensure that both the e-mail and physical address on record are up-to-date and accurate at all times to ensure delivery of Award-related communications.

**UNITED TECHNOLOGIES CORPORATION
AND SUBSIDIARIES**

STATEMENT RE: COMPUTATION OF PER SHARE EARNINGS

<i>(dollars in millions, except per share amounts)</i>	Full year				
	2015	2014	2013	2012	2011
Net income from continuing operations	\$ 3,996	\$ 6,066	\$ 5,265	\$ 4,337	\$ 4,265
Net income from discontinued operations	3,612	154	456	793	714
Net income attributable to common shareowners	<u>\$ 7,608</u>	<u>\$ 6,220</u>	<u>\$ 5,721</u>	<u>\$ 5,130</u>	<u>\$ 4,979</u>
Net income from continuing operations	\$ 3,996	\$ 6,066	\$ 5,265	\$ 4,337	\$ 4,265
Basic earnings for period	<u>\$ 3,996</u>	<u>\$ 6,066</u>	<u>\$ 5,265</u>	<u>\$ 4,337</u>	<u>\$ 4,265</u>
Diluted earnings for period	<u>\$ 3,996</u>	<u>\$ 6,066</u>	<u>\$ 5,265</u>	<u>\$ 4,337</u>	<u>\$ 4,265</u>
Basic average number of shares outstanding during the period (thousands)	<u>872,700</u>	<u>898,300</u>	<u>901,000</u>	<u>895,200</u>	<u>892,300</u>
Stock awards (thousands)	<u>10,500</u>	<u>13,300</u>	<u>14,100</u>	<u>11,400</u>	<u>14,500</u>
Diluted average number of shares outstanding during the period (thousands)	<u>883,200</u>	<u>911,600</u>	<u>915,100</u>	<u>906,600</u>	<u>906,800</u>
Basic earnings per common share - continuing operations	\$ 4.58	\$ 6.75	\$ 5.84	\$ 4.84	\$ 4.78
Diluted earnings per common share - continuing operations	\$ 4.53	\$ 6.65	\$ 5.75	\$ 4.78	\$ 4.70
Net income attributable to common shareowners	\$ 7,608	\$ 6,220	\$ 5,721	\$ 5,130	\$ 4,979
Basic earnings for period	<u>\$ 7,608</u>	<u>\$ 6,220</u>	<u>\$ 5,721</u>	<u>\$ 5,130</u>	<u>\$ 4,979</u>
Diluted earnings for period	<u>\$ 7,608</u>	<u>\$ 6,220</u>	<u>\$ 5,721</u>	<u>\$ 5,130</u>	<u>\$ 4,979</u>
Basic average number of shares outstanding during the period (thousands)	<u>872,700</u>	<u>898,300</u>	<u>901,000</u>	<u>895,200</u>	<u>892,300</u>
Stock awards (thousands)	<u>10,500</u>	<u>13,300</u>	<u>14,100</u>	<u>11,400</u>	<u>14,500</u>
Diluted average number of shares outstanding during the period (thousands)	<u>883,200</u>	<u>911,600</u>	<u>915,100</u>	<u>906,600</u>	<u>906,800</u>
Basic earnings per common share	\$ 8.72	\$ 6.92	\$ 6.35	\$ 5.73	\$ 5.58
Diluted earnings per common share	\$ 8.61	\$ 6.82	\$ 6.25	\$ 5.66	\$ 5.49

UNITED TECHNOLOGIES CORPORATION
AND SUBSIDIARIES

STATEMENT RE: COMPUTATION OF RATIO OF EARNINGS TO FIXED CHARGES

<i>(dollars in millions)</i>	Full year				
	2015	2014	2013	2012	2011
Fixed Charges:					
Interest expense ¹	\$ 945	\$ 1,099	\$ 1,032	\$ 893	\$ 671
Interest capitalized	27	25	22	19	20
One-third of rents ²	129	145	142	143	144
Total fixed charges	<u>\$ 1,101</u>	<u>\$ 1,269</u>	<u>\$ 1,196</u>	<u>\$ 1,055</u>	<u>\$ 835</u>
Earnings:					
Income from continuing operations before income taxes	\$ 6,467	\$ 8,712	\$ 7,654	\$ 6,172	\$ 6,525
Fixed charges per above	1,101	1,269	1,196	1,055	835
Less: capitalized interest	(27)	(25)	(22)	(19)	(20)
	<u>1,074</u>	<u>1,244</u>	<u>1,174</u>	<u>1,036</u>	<u>815</u>
Amortization of interest capitalized	12	12	11	11	15
Total earnings	<u>\$ 7,553</u>	<u>\$ 9,968</u>	<u>\$ 8,839</u>	<u>\$ 7,219</u>	<u>\$ 7,355</u>
Ratio of earnings to fixed charges	<u>6.86</u>	<u>7.86</u>	<u>7.39</u>	<u>6.84</u>	<u>8.81</u>

¹ Pursuant to the guidance in the Income Taxes Topic of the Financial Accounting Standards Board Accounting Standards Codification, interest related to unrecognized tax benefits recorded was approximately \$34 million, \$179 million, \$50 million, \$39 million and \$21 million for the years 2015, 2014, 2013, 2012 and 2011, respectively. The ratio of earnings to fixed charges would have been 6.65, 6.88, 7.09, 6.60 and 8.59 for the years 2015, 2014, 2013, 2012 and 2011, respectively, if such interest were excluded from the calculation.

² Reasonable approximation of the interest factor.

Five-Year Summary

<i>(dollars in millions, except per share amounts)</i>	2015	2014	2013	2012	2011
For The Year					
Net sales	\$ 56,098	\$ 57,900	\$ 56,600	\$ 51,101	\$ 48,526
Research and development	2,279	2,475	2,342	2,193	1,782
Restructuring costs	396	354	431	537	262
Net income from continuing operations ¹	4,356	6,468	5,655	4,692	4,651
Net income from continuing operations attributable to common shareowners ¹	3,996	6,066	5,265	4,337	4,265
Basic earnings per share—Net income from continuing operations attributable to common shareowners	4.58	6.75	5.84	4.84	4.78
Diluted earnings per share—Net income from continuing operations attributable to common shareowners	4.53	6.65	5.75	4.78	4.70
Cash dividends per common share	2.56	2.36	2.20	2.03	1.87
Average number of shares of Common Stock outstanding:					
Basic	873	898	901	895	892
Diluted	883	912	915	907	907
Cash flows provided by operating activities of continuing operations	6,698	6,994	7,314	5,968	6,139
Capital expenditures ^{2, 3}	1,652	1,594	1,569	1,295	837
Acquisitions, including debt assumed	556	530	151	18,620	372
Repurchases of Common Stock ⁴	10,000	1,500	1,200	—	2,175
Dividends paid on Common Stock (excluding ESOP)	2,184	2,048	1,908	1,752	1,602
At Year End					
Working capital ^{3, 5}	\$ 4,088	\$ 5,921	\$ 5,733	\$ 3,948	\$ 6,376
Total assets ³	87,484	86,338	85,029	83,499	53,694
Long-term debt, including current portion ^{3, 6}	19,499	19,575	19,744	22,603	9,574
Total debt ^{3, 6}	20,425	19,701	20,132	23,106	10,204
Total debt to total capitalization ⁶	41%	38%	38%	46%	31%
Total equity ^{6, 7}	28,844	32,564	33,219	27,069	22,820
Number of employees ⁸	197,200	211,500	212,400	218,300	199,900

Note 1 The decrease in net income from continuing operations and net income from continuing operations attributable to common shareowners reflects a \$867 million pretax charge as a result of a settlement with the Canadian government, a \$295 million pretax charge from customer contract negotiations at UTC Aerospace Systems, and a \$237 million pretax charge related to pending and future asbestos claims.

Note 2 Capital expenditures increased from 2012 through 2015 as we expanded capacity to meet expected demand within our aerospace businesses for the next generation engine platforms.

Note 3 Excludes assets and liabilities of discontinued operations held for sale, for all periods presented.

Note 4 Share repurchases in 2015 include share repurchases under accelerated repurchase agreements of \$2.6 billion in the first quarter of 2015 and \$6.0 billion in the fourth quarter of 2015. In connection with the acquisition of Goodrich, repurchases of common stock under our share repurchase program were suspended for 2012. We resumed our share repurchase program in 2013.

Note 5 The decline in working capital in 2015, as compared with 2014, reflects the reclassification of current deferred tax assets to non-current assets and current deferred tax liabilities to non-current liabilities in 2015 in connection with the adoption of Accounting Standards update 2015-17.

Note 6 The decrease in the 2013 debt to total capitalization ratio, as compared to 2012, reflects the repayment of approximately \$2.9 billion of long-term debt, most of which was used to finance the acquisition of Goodrich. The increase in the 2012 debt to total capitalization ratio, as compared to 2011, reflects the issuance of \$9.8 billion in long-term debt, \$1.1 billion in equity units and the assumption of approximately \$3 billion in long-term debt in connection with the acquisition of Goodrich.

Note 7 The decrease in total equity in 2015, as compared with 2014, reflects the sale of Sikorsky and the share repurchase program. The decrease in total equity in 2014, as compared with 2013, reflects unrealized losses of approximately \$2.9 billion, net of taxes, associated with the effect of market conditions on our pension plans.

Note 8 The decrease in employees in 2015, as compared with 2014, primarily reflects the 2015 divestiture of Sikorsky.

Management's Discussion and Analysis of Financial Condition and Results of Operations

BUSINESS OVERVIEW

We are a global provider of high technology products and services to the building systems and aerospace industries. Our operations for the periods presented herein are classified into four principal business segments: Otis, UTC Climate, Controls & Security, Pratt & Whitney, and UTC Aerospace Systems. Otis and UTC Climate, Controls & Security are referred to as the "commercial businesses," while Pratt & Whitney, and UTC Aerospace Systems are referred to as the "aerospace businesses." UTC Building & Industrial Systems was an organizational structure previously formed that combined Otis and UTC Climate, Controls & Security for certain operational purposes. On September 10, 2015, we announced a change in organizational structure and now operate Otis and UTC Climate, Controls & Security as stand-alone businesses that are no longer combined within UTC Building & Industrial Systems. Otis and UTC Climate, Controls & Security each continue to report their financial and operational results as separate segments, which is consistent with how we allocate resources and measure the financial performance of these businesses. On November 6, 2015, we completed the sale of the Sikorsky Aircraft business (Sikorsky) to Lockheed Martin Corp. for \$9,083 million in cash, subject to customary post-closing working capital and net debt adjustments. The results of operations and the related cash flows of Sikorsky have been reclassified to Discontinued Operations in our Consolidated Statements of Operations and Cash Flows for all periods presented. The assets and liabilities of Sikorsky have been reclassified to Assets held for sale and Liabilities held for sale, respectively, in our Consolidated Balance Sheet as of December 31, 2014.

The commercial businesses generally serve customers in the worldwide commercial and residential property industries, with UTC Climate, Controls & Security also serving customers in the commercial and transport refrigeration industries. The aerospace businesses serve commercial and government aerospace customers in both the original equipment and aftermarket parts and services markets. Our consolidated net sales were derived from the commercial and aerospace businesses as follows:

	2015	2014	2013
Commercial and industrial	52%	52%	53%
Military aerospace and space	12%	13%	13%
Commercial aerospace	36%	35%	34%
	100%	100%	100%

Our consolidated net sales were derived from original equipment manufacturing (OEM) and aftermarket parts and services as follows:

	2015	2014	2013
OEM	56%	56%	55%
Aftermarket parts and services	44%	44%	45%
	100%	100%	100%

Our worldwide operations can be affected by industrial, economic and political factors on both a regional and global level. To limit the impact of any one industry, or the economy of any single country on our consolidated operating results, our strategy has been, and continues to be, the maintenance of a balanced and diversified portfolio of businesses. Our operations include OEM and extensive related aftermarket parts and services in both our commercial and aerospace businesses. Our business mix also reflects the combination of shorter cycles at UTC Climate, Controls & Security and in our commercial aerospace spares businesses, and longer cycles at Otis and in our aerospace OEM and aftermarket maintenance businesses. Our customers include companies in both the public and private sectors, and our businesses reflect an extensive geographic diversification that has evolved with the continued globalization of world economies. The composition of net sales from outside the U.S., including U.S. export sales, as a percentage of total segment sales, is as follows:

<i>(dollars in millions)</i>	2015	2014	2013	2015	2014	2013
Europe	\$ 10,945	\$ 12,587	\$ 12,589	19%	22%	22%
Asia Pacific	8,425	8,746	8,626	15%	15%	15%
Other Non-U.S.	5,584	5,511	5,269	10%	9%	9%
U.S. Exports	9,741	10,276	10,459	17%	18%	18%
International segment sales	\$ 34,695	\$ 37,120	\$ 36,943	61%	64%	64%

As part of our growth strategy, we invest in businesses in certain countries that carry high levels of currency, political and/or economic risk, such as Argentina, Brazil, China, India, Mexico, Russia, South Africa and countries in the Middle East. As of December 31, 2015, the net assets in any one of these countries did not exceed 7% of consolidated shareowners' equity.

U.S. economic expansion continued to drive global growth in 2015 and contributed to UTC's results for the year. Notwithstanding recent volatility in the financial markets, lower gasoline prices and unemployment rates, favorable new construction trends, and strength in the U.S. housing market all provide positive indicators as we enter 2016. Economic recovery in Europe in 2015 was uneven, but we expect the European economic environment to continue to improve slowly during the coming year. Although emerging markets have historically led global growth relative to advanced and developing countries, slowing growth rates in China, and contraction in Russia and Brazil, have tempered growth expectations for emerging markets. UTC's sales to customers in mainland China were \$4.8 billion in 2015 and 2014, or 8.6% and 8.3% of total UTC sales, respectively. While we continue to expect overall economic output in China to moderate as it implements reform and rebalances its economy, long-term growth prospects remain strong for China.

Organic sales growth was 1% in 2015 representing sales increases in commercial aerospace aftermarket and in the Americas at our commercial businesses, partially offset by declines in military OEM and aftermarket sales. While we expect foreign currency will continue to have an adverse effect on 2016 results, we expect organic sales growth in 2016 to be 1% to 3%. Although we expect an increase in organic growth and operating profit growth, we also continue to invest in new platforms and new markets to position the Company for long-term growth, while remaining focused on structural cost reduction, operational improvements and disciplined capital redeployment. These actions position us for future earnings growth as the global economy continues to strengthen.

As discussed below in "Results of Operations," operating profit in both 2015 and 2014 includes the impact from activities that are not expected to recur often or that are not otherwise reflective of the underlying operations, such as the adverse impact of asset impairment charges, unfavorable impact of contract negotiations with customers, the beneficial impact of net gains from business divestiture activities, and other significant non-recurring and non-operational items discussed within the Other Income section of Results of Operations, below. Our earnings growth strategy contemplates earnings from organic sales growth, including growth from new product development and product improvements, structural cost reductions, operational improvements, and incremental earnings from our investments in acquisitions. Our investments in businesses in 2015 and 2014 totaled \$556 million (including debt assumed of \$18 million) and \$530 million (including debt assumed of \$128 million), respectively. Acquisitions completed in 2015 consisted principally of the acquisition of majority interests in UTC Climate, Controls & Security businesses, the acquisition of an imaging technology company by UTC Aerospace Systems, and a number of small acquisitions primarily in our commercial businesses. Our investment in businesses in 2014 consisted principally of the acquisition of a majority interest in a Pratt & Whitney joint venture and a number of smaller acquisitions in our commercial businesses.

Both acquisition and restructuring costs associated with business combinations are expensed as incurred. Depending on the nature and level of acquisition activity, earnings could be adversely impacted due to acquisition and restructuring actions initiated in connection with the integration of businesses acquired. For additional discussion of acquisitions and restructuring, see "Liquidity and Financial Condition," "Restructuring Costs" and Notes 2 and 13 to the Consolidated Financial Statements.

Discontinued Operations

On November 6, 2015, we completed the sale of Sikorsky to Lockheed Martin Corp. for \$9,083 million in cash, subject to customary post-closing working capital and net debt adjustments. As noted above, the results of operations and the related cash flows of Sikorsky have been reclassified to Discontinued Operations in our Consolidated Statements of Operations, Comprehensive Income and Cash Flows for all periods presented, and the assets and liabilities of Sikorsky have been reclassified to Assets held for sale and Liabilities held for sale, respectively, in our Consolidated Balance Sheet as of December 31, 2014. Proceeds from the sale were used to fund \$6.0 billion of share repurchases through accelerated share repurchase (ASR) agreements entered into on November 11, 2015. In connection with the sale of Sikorsky, we expect to make tax payments of approximately \$2.4 billion , primarily during the first quarter of 2016.

Net income from discontinued operations attributable to common shareowners for the year ended December 31, 2015 includes the gain on the sale of Sikorsky, net of tax expense, of \$3.4 billion and includes \$122 million of costs incurred in connection with the sale. Net income from discontinued operations attributable to common shareowners also includes income from Sikorsky's operations, net of tax expense, of \$169 million, including pension curtailment charges associated with our domestic pension plans. Net income from discontinued operations attributable to common shareowners for 2014 includes a previously disclosed cumulative adjustment related to a contract with the Canadian government for the development by Sikorsky of the CH-148 derivative of the H-92 helicopter, a military variant of the S-92 helicopter. The cumulative adjustment resulted in the recognition of losses, net of tax benefit, of \$277 million in 2014.

RESULTS OF OPERATIONS

Net Sales

(dollars in millions)

	2015	2014	2013
Net sales	\$ 56,098	\$ 57,900	\$ 56,600
Percentage change year-over-year	(3.1)%	2.3%	10.8%

The factors contributing to the total percentage change year-over-year in total net sales are as follows:

	2015	2014
Organic volume	1 %	4 %
Foreign currency translation	(4)%	(1)%
Acquisitions and divestitures, net	1 %	(1)%
Other	(1)%	—
Total % Change	(3)%	2 %

Three of our four segments experienced organic sales growth during 2015, led by UTC Climate, Controls & Security (3%), UTC Aerospace Systems (3%), and Otis (1%). Pratt & Whitney experienced an organic sales decline (1%) during 2015. Organic sales growth at UTC Climate, Controls & Security was driven by the U.S. commercial and residential heating, ventilation and air conditioning (HVAC) and transport refrigeration businesses. Organic sales growth at UTC Aerospace Systems was primarily due to growth in commercial aerospace OEM sales, while the organic sales growth at Otis was primarily due to higher new equipment sales in North America and Asia outside of China. The decline in sales at Pratt & Whitney was due to lower commercial and military engine sales. The sales increase from net acquisitions and divestitures was primarily a result of sales from newly acquired businesses at UTC Climate, Controls & Security, while the decrease in sales from Other is due to the unfavorable impact of significant customer contract negotiations at UTC Aerospace Systems.

All four segments experienced organic sales growth during 2014, led by Otis and UTC Aerospace Systems, each at 6%, along with organic sales growth at UTC Climate, Controls & Security (3%) and Pratt & Whitney (2%). The organic sales growth at Otis was primarily due to higher new equipment sales in China, the U.S., Europe and the Middle East. Organic sales growth at UTC Aerospace Systems was primarily attributable to higher commercial aerospace OEM and aftermarket volume. Organic growth also reflected strong demand for residential HVAC equipment in North America at UTC Climate, Controls & Security and growth in commercial aftermarket volume at Pratt & Whitney. The sales decrease from net acquisitions and divestitures was primarily a result of the disposition in 2013 of the Pratt & Whitney Power Systems business and the portfolio transformation initiatives at UTC Climate, Controls & Security. See the Segment Review section of Management's Discussion and Analysis for further discussion of segment organic sales.

Cost of Products and Services Sold

(dollars in millions)

	2015	2014	2013
Cost of products sold	\$ 29,771	\$ 30,367	\$ 30,051
Percentage of product sales	74.8 %	73.1%	74.2%
Cost of services sold	\$ 10,660	\$ 10,531	\$ 10,417
Percentage of service sales	65.4 %	64.4%	64.7%
Total cost of products and services sold	\$ 40,431	\$ 40,898	\$ 40,468
Percentage change year-over-year	(1.1)%	1.1%	10.2%

The factors contributing to the total percentage change year-over-year in total cost of products and services sold are as follows:

	2015	2014
Organic volume	3 %	3 %
Foreign currency translation	(5)%	(1)%
Acquisitions and divestitures, net	1 %	(1)%
Total % Change	(1)%	1 %

The organic increase in total cost of products and services sold (3%) is attributable to the 2015 organic sales increase noted above (1%) and unfavorable OEM sales mix and the related losses on OEM engine shipments, within Pratt & Whitney. Foreign exchange fluctuations provided a benefit through lower cost of sales of approximately 5% driven by Otis and UTC Climate, Controls & Security.

The organic increase in total cost of products and services sold in 2014, as compared to 2013 (3%), is attributable to the 2014 organic sales increase noted above (4%). The decrease in cost of products and services sold from net acquisitions and divestitures was primarily a result of the disposition in 2013 of the Pratt & Whitney Power Systems business and the portfolio transformation initiatives at UTC Climate, Controls & Security.

Gross Margin

<i>(dollars in millions)</i>	2015	2014	2013
Gross margin	\$ 15,667	\$ 17,002	\$ 16,132
Percentage of net sales	27.9%	29.4%	28.5%

Gross margin as a percentage of sales declined 150 basis points in 2015, as compared with 2014, driven by lower gross margin at Pratt & Whitney related to a decline in the amount of favorable contract performance adjustments (20 basis points) and an increase in unfavorable OEM sales mix and the related losses on OEM engine sales (40 basis points), along with the unfavorable impact of significant customer contract negotiations at UTC Aerospace Systems (40 basis points). The remaining decline is primarily driven by higher pension expense in 2015.

Gross margin as a percentage of sales increased 90 basis points, in 2014 as compared with 2013, driven by gross margin increases at Pratt & Whitney due to favorable government contract performance and higher Pratt & Whitney Canada (P&WC) and commercial aftermarket volume and to lower commodity costs and productivity gains at UTC Climate, Controls & Security (30 basis points).

Research and Development

<i>(dollars in millions)</i>	2015	2014	2013
Company-funded	\$ 2,279	\$ 2,475	\$ 2,342
Percentage of net sales	4.1%	4.3%	4.1%
Customer-funded	\$ 1,589	\$ 1,997	\$ 1,800
Percentage of net sales	2.8%	3.4%	3.2%

Research and development spending is subject to the variable nature of program development schedules and, therefore, year-over-year variations in spending levels are expected. The majority of the company-funded spending is incurred by the aerospace businesses and relates largely to the next generation engine product family at Pratt & Whitney and the CSeries, Airbus A320neo and Embraer E-Jet E2 programs at UTC Aerospace Systems. The year-over-year decrease in company-funded research and development (8%) in 2015, compared with 2014, reflects lower research and development within Pratt & Whitney (5%) primarily related to lower development costs of multiple geared turbofan platforms as development is completed and certain of these engines enter into service and within UTC Aerospace Systems related to several commercial aerospace programs (3%). Customer-funded research and development declined (20%) due to lower spending on U.S. Government and commercial engine programs at Pratt & Whitney.

The year-over-year increase in company-funded research and development (6%) in 2014, compared with 2013, primarily reflects increases at Pratt & Whitney (3%) related to the development of multiple geared turbofan platforms and at UTC Aerospace Systems (2%) related to several commercial aerospace programs. The increase in customer-funded research and development (11%) in 2014, as compared with 2013, is primarily due to higher customer-funded development at Pratt & Whitney related to military (7%) and commercial (1%) programs.

Company-funded research and development spending in 2016 is expected to decline approximately \$75 million to \$100 million from 2015 levels.

Selling, General and Administrative

<i>(dollars in millions)</i>	2015	2014	2013
Selling, general and administrative	\$ 5,886	\$ 6,172	\$ 6,364
Percentage of net sales	10.5%	10.7%	11.2%

The decrease in selling, general and administrative expenses in 2015, as compared with 2014 (5%), is due to the benefit of foreign exchange (5%), particularly within the commercial businesses. Higher pension costs (1%) were offset by lower employee compensation related expenses. The 20 basis point decrease in selling, general and administrative expense as a percentage of sales reflects the impact of organic sales growth, partially offset by higher pension expense across our business units.

The decrease in selling, general and administrative expenses in 2014, as compared with 2013, (3%) is due primarily to a decline at UTC Aerospace Systems (1%) driven by lower pension expense and restructuring savings, and the impact of divestitures completed over the preceding twelve months (1%). Higher overhead expenses at our commercial businesses (2%), largely driven by continued investment in emerging markets, was partially offset by the benefits of cost savings from previous restructuring actions and foreign exchange translation. The 50 basis point decrease in selling, general and administrative expense as a percentage of sales reflects higher sales volume and lower pension expense across our business units.

Other Income, Net

<i>(dollars in millions)</i>	2015	2014	2013
Other (expense) income, net	\$ (211)	\$ 1,238	\$ 1,123

Other (expense) income, net includes the operational impact of equity earnings in unconsolidated entities, royalty income, foreign exchange gains and losses as well as other ongoing and infrequently occurring items including the following:

<i>(dollars in millions)</i>	2015	2014	2013
Joint venture income	\$ 207	\$ 284	\$ 275
Licensing and royalty income	122	158	87
Charge related to a Canadian government settlement	(867)	—	—
Charge for pending and future asbestos claims	(237)	—	—
Impairment of certain UTC Aerospace System assets held for sale	(61)	—	—
Gain on re-measurement to fair value of previously held equity interest in UTC Climate, Controls & Security joint venture investments	126	—	—
(Charge) gain from a state taxing authority agreement for monetization of tax credits	(27)	220	—
Net gain primarily from fair value adjustments related to acquisition of majority interest in a Pratt & Whitney joint venture	—	83	—
Charge to adjust the fair value of a Pratt & Whitney joint venture investment	—	(60)	(25)
Gain from the sale of the Pratt & Whitney power systems business	—	—	193
UTC Climate, Controls, & Security portfolio transformation gain	—	30	55
Gain on settlement with an engine program partner	—	—	39
Other recurring activity	526	523	499
	\$ (211)	\$ 1,238	\$ 1,123

See Note 8 "Accrued Liabilities" of our Consolidated Financial Statements for further discussion of the charge related to a Canadian government settlement and Note 17 "Commitments & Contingencies" for further discussion of the charge for pending and future asbestos claims.

Interest Expense, Net

<i>(dollars in millions)</i>	2015	2014	2013
Interest expense	\$ 945	\$ 1,099	\$ 1,032
Interest income	(121)	(218)	(137)
Interest expense, net	\$ 824	\$ 881	\$ 895
Average interest expense rate during the year on:			
Short-term borrowings	0.6%	0.8%	1.6%
Total debt	4.1%	4.3%	4.2%

Interest expense was lower in 2015, as compared with 2014, primarily due to the absence of approximately \$143 million of unfavorable pre-tax interest accruals in 2014 related to the ongoing dispute with German tax authorities concerning a

1998 reorganization of the corporate structure of Otis operations in Germany. Interest income declined in 2015, as compared with 2014, reflecting the absence of \$132 million favorable pre-tax interest adjustments in 2014 related to the settlement of outstanding tax matters. See Note 11 "Income Taxes" of our Consolidated Financial Statements for further discussion.

Interest expense increased in 2014, as compared with 2013, reflecting approximately \$143 million of unfavorable pre-tax interest accruals related to the ongoing dispute with German tax authorities concerning a 1998 reorganization of the corporate structure of Otis operations in Germany, partially offset by lower average debt balances as a result of debt repayments. Interest income increased in 2014, as compared with 2013, as a result of favorable pre-tax interest adjustments related to the settlement of outstanding tax matters. See further discussion in Note 11 to the Consolidated Financial Statements.

The decrease in the weighted-average interest rates for short-term borrowings was due to the mix of our borrowings with a greater percentage of short-term borrowings at lower interest rates in 2015 than the percentage in 2014.

Income Taxes

	2015	2014	2013
Effective income tax rate	32.6%	25.8%	26.1%

The effective income tax rates for 2015, 2014, and 2013 reflect tax benefits associated with lower tax rates on international earnings for which we intend to permanently reinvest outside the United States and U.S. corporate tax extenders, which were enacted separately in each of the respective years. The effective tax rate for 2015 also includes a charge of approximately \$ 274 million related to the planned repatriation of certain foreign earnings, the majority of which are current year earnings. It further includes a favorable impact of approximately \$ 45 million related to a non-taxable gain recorded in the first quarter. France, the U.K. and certain U.S. states enacted tax law changes in the fourth quarter which resulted in net incremental cost of approximately \$ 68 million in 2015. The effective income tax rate for 2014 includes the favorable settlement of certain tax matters during 2014 and the adverse impact of an approximately \$265 million income tax accrual related to the ongoing dispute with German tax authorities concerning a 1998 reorganization of the corporate structure of Otis operations in Germany, offset by the benefit from repatriation of highly taxed earnings. See Note 17 to the Consolidated Financial Statements for further discussion of the German tax litigation. The 2013 tax includes a smaller benefit related to tax settlements than recognized in 2014. We estimate our full year annual effective income tax rate in 2016 will be approximately 28%. We anticipate some variability in the tax rate quarter to quarter in 2016 from potential discrete items.

For additional discussion of income taxes and the effective income tax rate, see "Critical Accounting Estimates—Income Taxes" and Note 11 to the Consolidated Financial Statements.

Net Income Attributable to Common Shareowners from Continuing Operations

<i>(dollars in millions, except per share amounts)</i>	2015	2014	2013
Net income attributable to common shareowners from continuing operations	\$ 3,996	\$ 6,066	\$ 5,265
Diluted earnings per share from continuing operations	\$ 4.53	\$ 6.65	\$ 5.75

To help mitigate the volatility of foreign currency exchange rates on our operating results, we maintain foreign currency hedging programs, the majority of which are entered into by P&WC. In 2015, foreign currency generated a net adverse impact on our consolidated operational results of \$0.19 per diluted share. Foreign currency, including hedging at P&WC, did not result in any impact on earnings per diluted share in 2014 or 2013. For additional discussion of foreign currency exposure, see "Market Risk and Risk Management—Foreign Currency Exposures."

Net income attributable to common shareowners from continuing operations in 2015 includes restructuring charges, net of tax benefit, of \$274 million as well as a net charge from significant non-recurring and non-operational items, net of tax benefit, of \$1,293 million, which have been discussed above. The effect of restructuring charges on diluted earnings per share for 2015 was a charge of \$0.31 per share, while the effect of significant non-operational items on diluted earnings per share for 2015 was a charge of \$1.46 per share.

Net Income Attributable to Common Shareowners from Discontinued Operations

<i>(dollars in millions, except per share amounts)</i>	2015	2014	2013
Net income attributable to common shareowners from discontinued operations	\$ 3,612	\$ 154	\$ 456
Diluted earnings per share from discontinued operations	\$ 4.09	\$ 0.17	\$ 0.50

Net income from discontinued operations attributable to common shareowners for the year ended December 31, 2015 includes the gain on the sale of Sikorsky, net of tax expense, of \$3.4 billion and \$122 million of costs incurred in connection

with the sale. Net income from discontinued operations attributable to common shareowners also includes income from Sikorsky's operations, net of tax expense, of \$169 million, including pension curtailment charges associated with our domestic pension plans. Net income from discontinued operations attributable to common shareowners for 2014 includes a previously disclosed cumulative adjustment related to a contract with the Canadian government for the development by Sikorsky of the CH-148 derivative of the H-92 helicopter, a military variant of the S-92 helicopter. The cumulative adjustment resulted in the recognition of losses, net of tax benefit, of \$277 million in 2014.

RESTRUCTURING COSTS

<i>(dollars in millions)</i>	2015	2014	2013
Restructuring costs included within continuing operations	\$ 396	\$ 354	\$ 431
Restructuring costs included within discontinued operations	139	14	48
Restructuring costs	\$ 535	\$ 368	\$ 479

Restructuring actions are an essential component of our operating margin improvement efforts and relate to both existing operations and those recently acquired. Charges generally relate to severance incurred on workforce reductions and facility exit and lease termination costs associated with the consolidation of field and manufacturing operations. We expect to incur additional restructuring costs in 2016 of approximately \$500 million, including trailing costs related to prior actions associated with our continuing cost reduction efforts and the integration of acquisitions. We continue to closely monitor the economic environment and may undertake further restructuring actions to keep our cost structure aligned with the demands of the prevailing market conditions. Restructuring costs included within discontinued operations include approximately \$109 million of net settlement and curtailment losses for pension benefits during 2015.

2015 Actions. During 2015, we recorded net pre-tax restructuring charges of \$326 million relating to ongoing cost reduction actions initiated in 2015. We are targeting to complete in 2016 and 2017 the majority of the remaining workforce and facility related cost reduction actions initiated in 2015. Approximately 58% of the total pre-tax charge will require cash payments, which we have funded and expect to continue to fund with cash generated from operations. During 2015, we had cash outflows of approximately \$105 million related to the 2015 actions. We expect to incur additional restructuring and other charges of \$217 million to complete these actions. We expect recurring pre-tax savings to increase over the two-year period subsequent to initiating the actions to approximately \$390 million annually, of which, approximately \$53 million was realized in 2015.

2014 Actions. During 2015 and 2014, we recorded net pre-tax restructuring charges of \$73 million and \$325 million, respectively, for actions initiated in 2014. We are targeting to complete in 2016 the majority of the remaining workforce and all facility related cost reduction actions initiated in 2014. Approximately 83% of the total pre-tax charge will require cash payments, which we have and expect to continue to fund with cash generated from operations. During 2015, we had cash outflows of approximately \$121 million related to the 2014 actions. We expect to incur additional restructuring charges of \$48 million to complete these actions. We expect recurring pre-tax savings to increase over the two-year period subsequent to initiating the actions to approximately \$300 million annually.

For additional discussion of restructuring, see Note 13 to the Consolidated Financial Statements.

SEGMENT REVIEW

<i>(dollars in millions)</i>	Net Sales			Operating Profits			Operating Profit Margin		
	2015	2014	2013	2015	2014	2013	2015	2014	2013
Otis	\$ 11,980	\$ 12,982	\$ 12,484	\$ 2,338	\$ 2,640	\$ 2,590	19.5%	20.3%	20.7%
UTC Climate, Controls & Security	16,707	16,823	16,809	2,936	2,782	2,590	17.6%	16.5%	15.4%
Pratt & Whitney	14,082	14,508	14,501	861	2,000	1,876	6.1%	13.8%	12.9%
UTC Aerospace Systems	14,094	14,215	13,347	1,888	2,355	2,018	13.4%	16.6%	15.1%
Total segment	56,863	58,528	57,141	8,023	9,777	9,074	14.1%	16.7%	15.9%
Eliminations and other	(765)	(628)	(541)	(268)	304	(44)			
General corporate expenses	—	—	—	(464)	(488)	(481)			
Consolidated	\$ 56,098	\$ 57,900	\$ 56,600	\$ 7,291	\$ 9,593	\$ 8,549	13.0%	16.6%	15.1%

Commercial Businesses

The financial performance of our commercial businesses can be influenced by a number of external factors including fluctuations in residential and commercial construction activity, regulatory changes, interest rates, labor costs, foreign currency exchange rates, customer attrition, raw material and energy costs, credit markets and other global and political factors. UTC

Climate, Controls & Security's financial performance can also be influenced by production and utilization of transport equipment, and for its residential business, weather conditions. Geographic and industry diversity across the commercial businesses help to balance the impact of such factors on our consolidated operating results, particularly in the face of uneven economic growth. Worldwide economic conditions were generally favorable for Otis in 2015, compared with 2014, with continued strong new equipment order growth rates at constant currency in North America (31%), Europe (11%) and the Middle East (70%), led by a significant increase in orders there related to a landmark project, partially offset by declines in orders in China (13%). Within the UTC Climate, Controls & Security segment order growth rates at constant currency for 2015 were mixed with an increase in transport refrigeration orders (7%) offset by declines in residential HVAC equipment orders (12%). Foreign exchange rate fluctuations had an adverse effect on orders during 2015 at Otis (8%) and UTC Climate, Controls & Security (6%).

Total commercial business sales generated outside the U.S., including U.S. export sales were 65% and 69% in 2015 and 2014, respectively. The following table shows sales generated outside the U.S., including U.S. export sales, for each of the commercial business segments:

	2015	2014
Otis	77%	81%
UTC Climate, Controls & Security	56%	59%

Otis is the world's largest elevator and escalator manufacturing, installation and service company. Otis designs, manufactures, sells and installs a wide range of passenger and freight elevators for low-, medium- and high-speed applications, as well as a broad line of escalators and moving walkways. In addition to new equipment, Otis provides modernization products to upgrade elevators and escalators as well as maintenance and repair services for both its products and those of other manufacturers. Otis serves customers in the commercial and residential property industries around the world. Otis sells directly to the end customer and through sales representatives and distributors.

<i>(dollars in millions)</i>	Total Increase (Decrease) Year-Over-Year for:						
	2015	2014	2013	2015 Compared with 2014		2014 Compared with 2013	
Net Sales	\$ 11,980	\$ 12,982	\$ 12,484	\$ (1,002)	(8)%	\$ 498	4%
Cost of Sales	8,122	8,756	8,345	(634)	(7)%	411	5%
	3,858	4,226	4,139				
Operating Expenses and Other	1,520	1,586	1,549				
Operating Profits	\$ 2,338	\$ 2,640	\$ 2,590	\$ (302)	(11)%	\$ 50	2%

	Factors Contributing to Total % Increase (Decrease) Year-Over-Year in:						
	2015			2014			
	Net Sales	Cost of Sales	Operating Profits	Net Sales	Cost of Sales	Operating Profits	
Organic / Operational	1 %	3 %	(2)%	6 %	7 %	4 %	
Foreign currency translation	(9)%	(10)%	(9)%	(2)%	(2)%	(2)%	
Restructuring costs	—	—	1 %	—	—	—	
Other	—	—	(1)%	—	—	—	
Total % change	(8)%	(7)%	(11)%	4 %	5 %	2 %	

2015 Compared with 2014

Organic sales increased 1% primarily due to higher new equipment sales (2%), with growth in North America (2%) and Asia outside of China (1%), partially offset by decline in China (1%), which was primarily driven by new equipment pricing headwind and volume declines. Service sales growth in the Americas and Asia (combined 1%) was offset by declines in Europe (1%), on lower volumes and unfavorable pricing and mix.

Operational profit decreased 2% primarily due to lower service contribution (3%) predominantly in Europe and higher selling, general and administrative expenses (1%), primarily due to sales growth in Americas and Asia outside of China, partially offset by higher new equipment contribution (3%).

2014 Compared with 2013

Organic sales increased (6%) due to higher new equipment sales primarily in China (2%), the Americas (1%), Europe (1%) and the Middle East (1%). Service sales growth in the Americas and China (combined 1%), was offset by declines in Europe (1%).

Operational profit increased (4%) due primarily to higher new equipment contribution (6%) partially offset by a decrease in service contribution (1%), due primarily to continued pricing pressures in Europe, and higher overhead expenses (2%) in connection with continued investment in emerging markets.

UTC Climate, Controls & Security is a leading provider of HVAC and refrigeration solutions, including controls for residential, commercial, industrial and transportation applications. These products and services are sold under the Carrier name and other brand names to building contractors and owners, homeowners, transportation companies, retail stores and food service companies. UTC Climate, Controls & Security is also a global provider of security and fire safety products and services. UTC Climate, Controls & Security provides electronic security products such as intruder alarms, access control systems and video surveillance systems, and designs and manufactures a wide range of fire safety products including specialty hazard detection and fixed suppression products, portable fire extinguishers, fire detection and life safety systems, and other firefighting equipment. Services provided to the electronic security and fire safety industries include systems integration, video surveillance, installation, maintenance, and inspection. In certain markets, UTC Climate, Controls & Security also provides monitoring and response services to complement its electronic security and fire safety businesses. Through its venture with Watsco, Inc., UTC Climate, Controls & Security distributes Carrier, Bryant, Payne and Totaline residential and light commercial HVAC products in the U.S. and selected territories in the Caribbean and Latin America. UTC Climate, Controls & Security sells directly to end customers and through manufacturers' representatives, distributors, wholesalers, dealers and retail outlets. Certain of UTC Climate, Controls & Security's HVAC businesses are seasonal and can be impacted by weather. UTC Climate, Controls & Security customarily offers its customers incentives to purchase products to ensure an adequate supply in the distribution channels. The principal incentive program provides reimbursements to distributors for offering promotional pricing on UTC Climate, Controls & Security products. We account for incentive payments made as a reduction in sales. UTC Climate, Controls & Security products and services are used by governments, financial institutions, architects, building owners and developers, security and fire consultants, homeowners and other end-users requiring a high level of security and fire protection for their businesses and residences. UTC Climate, Controls & Security provides its security and fire safety products and services under Chubb, Kidde and other brand names, and sells directly to customers as well as through manufacturer representatives, distributors, dealers and U.S. retail distribution.

<i>(dollars in millions)</i>					Total Increase (Decrease) Year-Over-Year for:			
	2015	2014	2013	2015 Compared with 2014		2014 Compared with 2013		
Net Sales	\$ 16,707	\$ 16,823	\$ 16,809	\$ (116)	(1)%	\$ 14	—	
Cost of Sales	11,611	11,707	11,918	(96)	(1)%	(211)	(2)%	
	5,096	5,116	4,891					
Operating Expenses and Other	2,160	2,334	2,301					
Operating Profits	\$ 2,936	\$ 2,782	\$ 2,590	\$ 154	6 %	\$ 192	7 %	

	Factors Contributing to Total % Increase (Decrease) Year-Over-Year in:					
	2015			2014		
	Net Sales	Cost of Sales	Operating Profits	Net Sales	Cost of Sales	Operating Profits
Organic / Operational	3 %	3 %	6 %	3 %	1 %	11 %
Foreign currency translation	(6)%	(6)%	(5)%	(1)%	(1)%	(1)%
Acquisitions and divestitures, net	2 %	2 %	—	(2)%	(2)%	—
Restructuring costs	—	—	—	—	—	(1)%
Other	—	—	5 %	—	—	(2)%
Total % change	(1)%	(1)%	6 %	—	(2)%	7 %

2015 Compared with 2014

The organic sales increase (3%) primarily reflects growth in Americas (2%) driven by the U.S. commercial and residential HVAC businesses, and growth in refrigeration (1%) driven by the transport refrigeration business.

The 6% operational profit increase was primarily driven by favorable volume and price (combined 2%) on the sales increase noted above. The beneficial impact from lower commodity costs (2%) and net restructuring and cost productivity (2%) was partially offset by lower joint venture income (1%). The 5% increase in "Other" was primarily driven by a gain as a result of a fair value adjustment related to the acquisition of a controlling interest in a joint venture investment (5%) and a gain as a result of a fair value adjustment related to a separate acquisition of a controlling interest in another joint venture investment (1%), partially offset by the absence of a gain from UTC Climate, Controls & Security's portfolio transformation in 2014 (1%).

2014 Compared with 2013

The organic sales increase (3%) for the year primarily reflects growth in Americas (2%) driven by the U.S. residential HVAC and fire safety products businesses, and growth in refrigeration (1%) driven by the transport refrigeration business. The decrease in "Acquisitions and divestitures, net" (2%) reflects the year-over-year impact of divestitures completed in the preceding twelve months associated with UTC Climate, Controls & Security's portfolio transformation.

The 11% operational profit increase was driven by favorable volume and price (combined 5%), the benefits of previous restructuring actions and cost productivity (combined 2%), favorable commodity costs (2%) and higher equity income (2%). The 2% decrease in "Other" primarily reflects net year-over-year impact from UTC Climate, Controls & Security's portfolio transformation.

Aerospace Businesses

The financial performance of Pratt & Whitney and UTC Aerospace Systems is directly tied to the economic conditions of the commercial aerospace and defense aerospace industries. In particular, Pratt & Whitney experiences intense competition for new commercial airframe/engine combinations. Engine suppliers may offer substantial discounts and other financial incentives, performance and operating cost guarantees, and participate in financing arrangements, in an effort to compete for the aftermarket associated with these engine sales. These OEM engine sales may result in losses on the engine sales, which economically are recovered through the sales and profits generated over the engine's maintenance cycle. At times, the aerospace businesses also enter into development programs and firm fixed-price development contracts, which may require the company to bear cost overruns related to unforeseen technical and design challenges that arise during the development stage of the program. Customer selections of engines and components can also have a significant impact on later sales of parts and service. Predicted traffic levels, load factors, worldwide airline profits, general economic activity and global defense spending have been reliable indicators for new aircraft and aftermarket orders within the aerospace industry. Spare part sales and aftermarket service trends are affected by many factors, including usage, technological improvements, pricing, regulatory changes and the retirement of older aircraft. Our commercial aftermarket businesses continue to evolve as an increasing proportion of our aerospace businesses' customers are covered under Fleet Management Programs (FMPs). FMPs are comprehensive long-term spare part and maintenance agreements with our customers. We expect a continued shift to FMPs in lieu of transactional spare part sales as new engines enter customers' fleets on FMP and legacy fleets are retired. Performance in the general aviation sector is closely tied to the overall health of the economy. In 2015, as compared with 2014, total commercial aerospace aftermarket sales increased 6% at Pratt & Whitney and 1% at UTC Aerospace Systems.

Our long-term aerospace contracts are subject to strict safety and performance regulations which can affect our ability to estimate costs precisely. Contract cost estimation for the development of complex projects, in particular, requires management to make significant judgments and assumptions regarding the complexity of the work to be performed, availability of materials, the performance by subcontractors, the timing of funding from customers and the length of time to complete the contract. As a result, we review and update our cost estimates on significant contracts on a quarterly basis, and no less frequently than annually for all others, and when circumstances change and warrant a modification to a previous estimate. Changes in estimates relate to the current period impact of revisions to total estimated contract sales and costs at completion. We record changes in contract estimates using the cumulative catch-up method. Operating profits included significant net favorable changes in aerospace contract estimates of approximately \$115 million in 2015 primarily representing favorable contract adjustments recorded at Pratt & Whitney. In accordance with our revenue recognition policy, losses, if any, on long-term contracts are provided for when anticipated. Loss provisions on OEM contracts are recognized to the extent that estimated inventoriable manufacturing, engineering, product warranty and product performance guarantee costs, as appropriate, exceed the projected revenue from the products and services contemplated under the existing and related implied future contractual arrangements. There were no material loss provisions recorded on OEM contracts in continuing operations in 2015 or 2014 .

The commercial airline industry was strong throughout 2015 benefiting from traffic growth and lower fuel costs. Airline traffic growth rates, as measured by revenue passenger miles (RPMs) grew nearly 7% in the first eleven months of 2015 , as compared with 2014 , while jet fuel costs have declined more than 30% relative to prices one year ago in most geographic regions. Pratt & Whitney is developing the geared turbofan engine that will power currently-proposed and future aircraft and is building capacity to meet demand for new engines which are fuel efficient and have reduced noise levels and exhaust emissions. The PurePower® PW1100G-JM engine completed Federal Aviation Agency (FAA) certification for the Airbus A320neo platform on December 19, 2014, and entered into service in January 2016.

Our military sales are affected by U.S. Department of Defense spending levels. However, the sale of Sikorsky during 2015 reduced our U.S. Government defense-spending exposure. Excluding Sikorsky, total sales to the U.S. Government were \$5.6 billion in 2015 , \$5.9 billion in 2014 , and \$6.3 billion in 2013 , and were 10% , 10% and 11% of total UTC sales, respectively. The defense portion of our aerospace business is also affected by changes in market demand and the global

political environment. Our participation in long-term production and development programs for the U.S. Government has contributed positively to our results in 2015 and is expected to continue to benefit results in 2016.

As previously disclosed, Pratt & Whitney's PurePower PW1500G engine models have been selected by Bombardier to power the new CSeries passenger aircraft, which is scheduled to enter service in 2016. There have been multi-year delays in the development of the CSeries aircraft. Notwithstanding these delays, Bombardier reports that they have received 243 orders for the aircraft, and that the program has nearly completed the certification process and is exceeding performance expectations. Further, they reached an agreement with the Canadian government for additional funding of \$1 billion in the fourth quarter of 2015. We have made various investments in support of the production and delivery of our PW1500G engines and systems for the CSeries program, which we currently expect to recover through future deliveries of PW1500G powered CSeries aircraft. Our net asset exposure related to the CSeries program is approximately \$253 million, consisting of inventory, compliance engines and exclusivity assets, the recoverability of which is predicated on achieving a certain minimum volume of future engine deliveries. Bombardier is currently forecasting aircraft demand beyond this level and, as such, our net assets are considered recoverable. We will continue to monitor the progress of the program and our ability to recover our investments.

Pratt & Whitney is among the world's leading suppliers of aircraft engines for the commercial, military, business jet and general aviation markets. Pratt & Whitney also provides fleet management services and aftermarket maintenance, repair and overhaul services, including the sale of spare parts, auxiliary power units and industrial gas generators. Pratt & Whitney produces families of large engines for wide and narrow-body and large regional aircraft in the commercial market, and for fighter and transport aircraft in the military market. Pratt & Whitney's products are sold principally to aircraft manufacturers, airlines and other aircraft operators, aircraft leasing companies, and the U.S. and foreign governments. Pratt & Whitney's products and services must adhere to strict regulatory and market-driven safety and performance standards. The frequently changing nature of these standards, along with the long duration of aircraft engine development, production and support programs, creates uncertainty regarding engine program profitability.

The development of new engines and improvements to current production engines present important growth opportunities. Pratt & Whitney is under contract with the U.S. Government's F-35 Joint Program Office to develop, produce and sustain the F135 engine, a derivative of Pratt & Whitney's F119 engine, to power the single-engine F-35 Lightning II aircraft (commonly known as the Joint Strike Fighter) being developed and produced by Lockheed Martin. The two F135 propulsion system configurations for the F-35A/F-35C and F-35B jets are certified for production and in use by the U.S. Air Force and the U.S. Marine Corps. F135 engines are also used on F-35 aircraft purchased by Joint Strike Fighter partner countries and foreign military sales countries.

In addition, Pratt & Whitney is currently developing technology, including the PurePower PW1000G Geared TurboFan engine, intended to enable it to power both currently-proposed and future aircraft. The PurePower PW1000G engine targets a significant reduction in fuel burn and noise levels with lower environmental emissions and operating costs than current production engines. Airbus has selected the PW1100G engine, a member of the PurePower PW1000G engine family, as a new engine option to power its A320neo family of aircraft. The PW1100G-JM is being developed as part of a collaboration with MTU Aero Engines (MTU) and Japanese Aero Engines Corporation (JAEC). Additionally, PurePower® PW1000G engine models have been selected by Bombardier to power the new CSeries passenger aircraft, Mitsubishi Aircraft Corporation to power the new Mitsubishi Regional Jet, Irkut Corporation to power the proposed new Irkut MC-21 passenger aircraft and Embraer to power the next generation of Embraer's E-Jet family of aircraft. In October 2014, Gulfstream announced the selection of the PurePower® PW800 engine to exclusively power Gulfstream's new G500 and G600 business jets scheduled to enter service in 2018. The CSeries passenger aircraft is scheduled to enter into service in the second quarter of 2016. The Mitsubishi Regional Jet, the Irkut MC-21 and Embraer's next generation of E-Jet family aircraft are scheduled to enter into service in 2018. The success of these aircraft and the PurePower® family of engines is dependent upon many factors including technological accomplishments, program execution, aircraft demand, and regulatory approval. Based on these factors, as well as the level of success of aircraft program launches by aircraft manufacturers and other conditions, additional investment in the PurePower® program may be required.

In view of the risks and costs associated with developing new engines, Pratt & Whitney has entered into collaboration arrangements in which sales, costs and risks are shared. At December 31, 2015, the interests of third party participants in Pratt & Whitney-directed commercial jet engine programs ranged from 14% to 50% . In addition, Pratt & Whitney has interests in other engine programs, including a 50% ownership interest in the Engine Alliance (EA), a joint venture with GE Aviation, which markets and manufactures the GP7000 engine for the Airbus A380 aircraft. Pratt & Whitney has entered into risk and revenue sharing arrangements with third parties for 40% of the products and services that Pratt & Whitney is responsible for providing to the EA. Pratt & Whitney accounts for its interests in the EA joint venture under the equity method of accounting. Pratt & Whitney holds a 61% net program share interest in the IAE International Aero Engines AG (IAE) collaboration with MTU and JAEC and a 49.5% ownership interest in IAE. Pratt & Whitney continues to pursue additional collaboration partners.

<i>(dollars in millions)</i>				Total Increase (Decrease) Year-Over-Year for:			
	2015	2014	2013	2015 Compared with 2014		2014 Compared with 2013	
Net Sales	\$ 14,082	\$ 14,508	\$ 14,501	\$ (426)	(3)%	\$ 7	—
Cost of Sales	10,910	10,926	11,148	(16)	—	(222)	(2)%
	3,172	3,582	3,353				
Operating Expenses and Other	2,311	1,582	1,477				
Operating Profits	\$ 861	\$ 2,000	\$ 1,876	\$ (1,139)	(57)%	\$ 124	7%

	Factors Contributing to Total % Increase (Decrease) Year-Over-Year in:					
	2015			2014		
	Net Sales	Cost of Sales	Operating Profits	Net Sales	Cost of Sales	Operating Profits
Organic* / Operational*	(1)%	2%	(12)%	2%	—	6%
Foreign currency (including P&WC net hedging)*	(1)%	(2)%	3%	(1)%	(1)%	2%
Acquisitions and divestitures, net	—	1%	1%	(1)%	(1)%	(1)%
Restructuring costs	—	—	(2)%	—	—	5%
Other	(1)%	(1)%	(47)%	—	—	(5)%
Total % change	(3)%	—	(57)%	—	(2)%	7%

* As discussed further in the "Business Overview" and "Results of Operations" sections, for Pratt & Whitney only, the transactional impact of foreign exchange hedging at P&WC has been netted against the translational foreign exchange impact for presentation purposes in the above table. For all other segments, these foreign exchange transactional impacts are included within the organic sales/operational operating profit caption in their respective tables. Due to its significance to Pratt & Whitney's overall operating results, we believe it is useful to segregate the foreign exchange transactional impact in order to clearly identify the underlying financial performance.

2015 Compared with 2014

The organic sales decrease (1%) reflects lower military engine volume (1%) and lower commercial engine volume (2%), offset by higher commercial engine aftermarket sales (2%). "Other" reflects a sales reduction in connection with customer contract negotiations (1%).

Pratt & Whitney's operating profit includes higher pension cost partially offset by restructuring savings across its business. The operational profit decrease (12%) was due to higher negative engine margin within the Large Commercial Engine business and lower volume within P&WC (15%), lower engine volume and unfavorable mix within the Military Engine business (2%), unfavorable aftermarket mix and a decline in the amount of favorable contract performance adjustments within the Military Engine business (4%), and lower commercial developmental profit (2%), partially offset by lower research and development spending (5%), higher aftermarket profits at P&WC (4%), and an increase in favorable contract termination benefits (3%). Operating profit increased 1% as a result of the acquisition of a majority interest in a joint venture in the third quarter of 2014. The "Other" operating profit decline reflects a charge resulting from amendments to research and development support arrangements previously entered into with federal and provincial Canadian government agencies (43%) and a charge resulting from customer contract negotiations (4%).

2014 Compared with 2013

The organic sales increase (2%) primarily reflects higher spares volume at P&WC (1%) and higher commercial aftermarket volume (2%), offset by lower military sales volume (1%). Sales decreased (1%) as a result of the divestiture of Pratt & Whitney Power Systems in 2013 (2%), offset by the acquisition of a majority interest in a joint venture in 2014 (1%).

Pratt & Whitney's operating profit benefited from lower pension costs and restructuring savings across its businesses. The operating profit increase (6%) was due to the net volume increase and sales mix (9%), mentioned above, and favorable contract performance (3%), partially offset by higher research and development costs (4%) and lower contract termination benefits (1%). Operating profit decreased (1%) as a result of the divestiture of Pratt & Whitney Power Systems in 2013. "Other" reflects the impairment of assets related to a joint venture (1%) and the absence of the gain on the sale of Pratt & Whitney Power Systems (10%), offset by fair value adjustments related to the acquisition of a majority interest in a joint venture (4%) and higher intellectual property sales (2%).

UTC Aerospace Systems is a leading global provider of technologically advanced aerospace products and aftermarket service solutions for aircraft manufacturers, airlines, regional, business and general aviation markets, military, space and undersea operations. UTC Aerospace Systems' product portfolio includes electric power generation, power management and distribution

systems, air data and flight sensing and management systems, engine control systems, electric systems, intelligence, surveillance and reconnaissance systems, engine components, environmental control systems, fire and ice detection and protection systems, propeller systems, aircraft aerostructures including engine nacelles, thrust reversers, and mounting pylons, interior and exterior aircraft lighting, aircraft seating and cargo systems, actuation systems, landing systems, including landing gears, wheels and brakes, and space products and subsystems. Aftermarket services include spare parts, overhaul and repair, engineering and technical support and fleet management solutions. UTC Aerospace Systems sells aerospace products to aircraft manufacturers, airlines and other aircraft operators, the U.S. and foreign governments, maintenance, repair and overhaul providers, and independent distributors.

<i>(dollars in millions)</i>	2015	2014	2013	Total Increase (Decrease) Year-Over-Year for:			
				2015 Compared with 2014		2014 Compared with 2013	
Net Sales	\$ 14,094	\$ 14,215	\$ 13,347	\$ (121)	(1)%	\$ 868	7%
Cost of Sales	10,533	10,192	9,534	341	3 %	658	7%
	3,561	4,023	3,813				
Operating Expenses and Other	1,673	1,668	1,795				
Operating Profits	\$ 1,888	\$ 2,355	\$ 2,018	\$ (467)	(20)%	\$ 337	17%

	Factors Contributing to Total % Increase (Decrease) Year-Over-Year in:					
	2015			2014		
	Net Sales	Cost of Sales	Operating Profits	Net Sales	Cost of Sales	Operating Profits
Organic / Operational	3 %	6 %	(6)%	6%	7%	15%
Foreign currency translation	(2)%	(3)%	2 %	1%	—	—
Acquisitions and divestitures, net	(1)%	(1)%	—	—	—	—
Restructuring costs	—	—	(1)%	—	—	1%
Other	(1)%	1 %	(15)%	—	—	1%
Total % change	(1)%	3 %	(20)%	7%	7%	17%

2015 Compared with 2014

The organic sales growth (3%) primarily reflects an increase in commercial aerospace OEM and commercial aftermarket sales volume (3%) and a benefit from a change in a customer relationship (2%), partially offset by the absence of the favorable impact of a prior year customer contract settlement (1%) and lower military OEM sales volume (1%). "Other" represents the unfavorable impact of significant customer contract negotiations (1%).

The organic decrease in operational profit (6%) primarily reflects lower commercial aerospace OEM profit contribution (6%) primarily due to adverse mix, higher pension costs (5%), lower military profit contribution (4%), and the absence of the favorable impact of a prior year customer contract settlement (2%), partially offset by the favorable impact of several customer contract negotiations, dispute resolutions and other settlements (4%), lower research and development costs (3%), lower selling, general and administrative expenses (3%), and the favorable impact of a contract termination (2%). "Other" primarily represents the unfavorable impact of significant customer contract negotiations (13%) and the impairment of certain assets held for sale (2%).

2014 Compared with 2013

The organic sales growth (6%) primarily reflects an increase in commercial aerospace OEM and commercial aftermarket sales volumes (6%).

The organic increase in operational profit (15%) primarily reflects the profit contribution from higher commercial OEM and aftermarket sales volumes (10%), lower selling, general and administrative expenses including lower pension expense (5%), and the favorable impact of a customer contract settlement (2%), partially offset by higher research and development costs (2%).

Eliminations and other

<i>(dollars in millions)</i>	Net Sales			Operating Profits		
	2015	2014	2013	2015	2014	2013
Eliminations and other	\$ (765)	\$ (628)	\$ (541)	\$ (268)	\$ 304	\$ (44)
General corporate expenses	—	—	—	(464)	(488)	(481)

Eliminations and other reflect the elimination of sales, other income and operating profit transacted between segments, as well as the operating results of certain smaller businesses. The change in sales in 2015, as compared with 2014, reflects an increase in the amount of inter-segment sales eliminations between our aerospace business segments. The decline in operating profit in 2015, as compared with 2014, reflects a \$237 million charge for pending and future asbestos claims through 2059, a \$27 million charge related to an agreement with a state taxing authority for the monetization of tax credits, and the absence of a \$220 million gain on an agreement with a state taxing authority for the monetization of tax credits in 2014.

The change in sales in 2014, as compared with 2013, reflects an increase in the amount of inter-segment sales eliminations, principally between our aerospace businesses. The change in the operating profit elimination in 2014, as compared with 2013, reflects lower divestiture costs in 2014 and an approximately \$220 million gain on an agreement with a state taxing authority for the monetization of tax credits in 2014.

LIQUIDITY AND FINANCIAL CONDITION

<i>(dollars in millions)</i>	2015	2014
Cash and cash equivalents	\$ 7,075	\$ 5,229
Total debt	20,425	19,701
Net debt (total debt less cash and cash equivalents)	13,350	14,472
Total equity	28,844	32,564
Total capitalization (total debt plus total equity)	49,269	52,265
Net capitalization (total debt plus total equity less cash and cash equivalents)	42,194	47,036
Total debt to total capitalization	41%	38%
Net debt to net capitalization	32%	31%

We assess our liquidity in terms of our ability to generate cash to fund our operating, investing and financing activities. Our principal source of liquidity is operating cash flows from continuing operations, which, after netting out capital expenditures, we target to equal or exceed net income attributable to common shareowners from continuing operations. For 2016, we expect this to approximate 90% to 100% of net income attributable to common shareowners from continuing operations. In addition to operating cash flows, other significant factors that affect our overall management of liquidity include: common stock repurchases, capital expenditures, customer financing requirements, investments in businesses, dividends, pension funding, access to the commercial paper markets, adequacy of available bank lines of credit, redemptions of debt, and the ability to attract long-term capital at satisfactory terms.

Our domestic pension funds experienced a positive return on assets of approximately 0.1% during 2015. Approximately 87% of these domestic pension plans are invested in readily-liquid investments, including equity, fixed income, asset-backed receivables and structured products. The balance of these domestic pension plans (13%) is invested in less-liquid but market-valued investments, including real estate and private equity. Across our global pension plans, the impact of higher discount rates for pension obligations, a change in the manner of estimating discount rates for service cost and interest cost and the continued recognition of prior pension investment gains, partially offset by a reduction in the expected return on plan assets and 2015 actual returns on plan assets, will result in decreased pension expense in 2016 of approximately \$500 million as compared to 2015.

Historically, our strong debt ratings and financial position have enabled us to issue long-term debt at favorable market rates. Our ability to obtain debt financing at comparable risk-based interest rates is partly a function of our existing debt-to-total-capitalization level as well as our credit standing. In September 2015, several external rating agencies downgraded our debt ratings ("A" to "A-", and "A2" to "A3") with a stable ratings outlook, primarily attributing their actions to the level of completed and projected share repurchase activity. Our debt-to-total-capitalization increased 300 basis points from 38% at December 31, 2014 to 41% at December 31, 2015 primarily due to lower total equity from our share repurchases in 2015 and the use of short-term borrowings. We use our commercial paper borrowings for general corporate purposes, including the funding of potential acquisitions, debt refinancing, and repurchases of our common stock. The need for commercial paper borrowings arises when the use of domestic cash for acquisitions, dividends, and share repurchases exceeds the sum of domestic cash generation and foreign cash repatriated to the U.S.

On May 4, 2015, we completed the optional remarketing of the 1.550% junior subordinated notes, which were originally issued as part of our equity units on June 18, 2012. As a result of the remarketing, these notes were redesignated as our 1.778% junior subordinated notes due May 4, 2018. On August 3, 2015, we received approximately \$1.1 billion from the proceeds of the remarketing, and issued approximately 11.3 million shares of Common Stock to settle the purchase obligation of the holders of the equity units under the purchase contract entered into at the time of the original issuance of the equity units.

During the quarter ended June 30, 2015, we repaid at maturity all 4.875% notes due in 2015 and all floating rate notes due in 2015, representing \$1.7 billion in aggregate principal. On May 4, 2015, we issued \$850 million aggregate principal amount of 4.150% notes due May 15, 2045. On May 22, 2015 we issued €750 million aggregate principal amount of 1.250% notes due May 22, 2023. The net proceeds from these debt issuances were used primarily to repay the 4.875% notes and floating rate notes maturing during the quarter ended June 30, 2015.

In 2014, we redeemed all remaining outstanding 2016 Goodrich 6.290% notes, representing approximately \$188 million in aggregate principal, under our redemption notice issued on February 28, 2014.

On March 13, 2015, we entered into accelerated share repurchase (ASR) agreements to repurchase an aggregate of \$2.65 billion of our common stock, which was largely funded by our commercial paper borrowings. Under the terms of the ASR agreements, we made the aggregate payments and received an initial delivery of approximately 18.6 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased. On July 31, 2015, the shares associated with the remaining portion of the aggregate purchase were settled upon final delivery of approximately 4.2 million additional shares of common stock.

On November 6, 2015, we completed the sale of Sikorsky to Lockheed Martin Corp. for approximately \$9,083 million in cash, subject to customary post-closing working capital and net debt adjustments. In connection with the sale of Sikorsky, we expect to make tax payments of approximately \$2.4 billion, primarily during the first quarter of 2016.

On November 11, 2015, we entered into ASR agreements to repurchase an aggregate of \$6 billion of our common stock utilizing the net after-tax proceeds from the sale of Sikorsky. Under the terms of the ASR agreements, we made the aggregate payments on November 16, 2015 and received an initial delivery of approximately 51.9 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased. The shares associated with the remaining portion of the aggregate purchase price are to be settled over six tranches. Upon settlement of each tranche, we may be entitled to receive additional common shares or, under certain limited circumstances, be required to deliver shares or make additional payments to the counterparties. The final settlement of the transactions under all tranches is expected to occur no later than the third quarter of 2016.

At December 31, 2015, we had revolving credit agreements with various banks permitting aggregate borrowings of up to \$4.35 billion pursuant to a \$2.20 billion revolving credit agreement and a \$2.15 billion multicurrency revolving credit agreement, both of which expire in May 2019. As of December 31, 2015 and 2014, there were no borrowings under either of these revolving credit agreements. The undrawn portions of our revolving credit agreements are also available to serve as backup facilities for the issuance of commercial paper. As of December 31, 2015, our maximum commercial paper borrowing authority was \$4.35 billion. We generally use our commercial paper borrowings for general corporate purposes, including the funding of potential acquisitions and repurchases of our common stock.

At December 31, 2015, over 85% of our cash was held by UTC's foreign subsidiaries, due to our extensive international operations. We manage our worldwide cash requirements by reviewing available funds among the many subsidiaries through which we conduct our business and the cost effectiveness with which those funds can be accessed. The repatriation of cash balances from certain of our subsidiaries could have adverse tax consequences or be subject to capital controls; however, those balances are generally available without legal restrictions to fund ordinary business operations. In the quarter ended December 31, 2015, we recognized an income tax provision of approximately \$274 million related to the intended repatriation of foreign cash, the majority of which is from current year earnings of certain international subsidiaries. As discussed in Note 11, with few other exceptions, U.S. income taxes have not been provided on other undistributed earnings of international subsidiaries. Our intention is to reinvest these earnings permanently or to repatriate the earnings only when it is tax effective to do so.

We continue to be involved in litigation with the German Tax Office in the German Tax Court with respect to certain tax benefits that we have claimed related to a 1998 reorganization of the corporate structure of Otis operations in Germany. We made tax and interest payments of approximately \$300 million during 2015 to avoid additional interest accruals while we continue to litigate this matter. We do not expect to make significant additional tax or interest payments pending final resolution of this matter. See Note 17 for a further discussion of this German tax litigation.

On occasion, we are required to maintain cash deposits with certain banks with respect to contractual obligations related to acquisitions or divestitures or other legal obligations. As of December 31, 2015 and 2014, the amount of such restricted cash was approximately \$45 million and \$255 million, respectively.

We believe our future operating cash flows will be sufficient to meet our future operating cash needs. Further, we continue to have access to the commercial paper markets and our existing credit facilities, and our ability to obtain debt or equity financing, as well as the availability under committed credit lines, provides additional potential sources of liquidity should they be required or appropriate.

Cash Flow—Operating Activities of Continuing Operations

(dollars in millions)

	2015	2014	2013
Net cash flows provided by operating activities of continuing operations	\$ 6,698	\$ 6,994	\$ 7,314

2015 Compared with 2014

Cash generated from operating activities of continuing operations in 2015 was \$296 million lower than 2014. Income from continuing operations and noncash deferred income tax provision and depreciation and amortization charges were approximately \$1.8 billion lower than 2014. This decline includes the noncash expense related to the Canadian government settlement of \$867 million and the noncash portion of other infrequently occurring items, as discussed in Results of Operations, which are included in Other operating activities, net in the Consolidated Statement of Cash Flows for the year ended December 31, 2015. The 2015 cash outflows for working capital were primarily driven by increases in inventory in our aerospace businesses to support deliveries and other contractual commitments, and were partially offset by increases in accounts payable and accrued liabilities in these businesses. Increases in accounts receivable in our commercial businesses were largely offset by increases in accounts payable and customer advances in these businesses. Factoring activity in 2015 was approximately \$100 million higher than the prior year, excluding customer-funded factoring at Pratt & Whitney related to certain extensions of contractual payment terms. Reductions in accrued liabilities also include payments of interest and taxes of approximately \$300 million related to the German tax matter, as discussed in Note 17. For 2014, cash outflows for working capital were driven by increases in inventory to support deliveries and other contractual commitments across all business segments. Reductions in accounts receivable in our aerospace businesses, driven primarily by accelerated customer collections and selected factoring primarily at Pratt & Whitney, were partially offset by increases in accounts receivable in our commercial businesses.

The funded status of our defined benefit pension plans is dependent upon many factors, including returns on invested assets, the level of market interest rates and actuarial mortality assumptions. We can contribute cash or UTC shares to our plans at our discretion, subject to applicable regulations. Total cash contributions to our global defined benefit pension plans were \$147 million, \$517 million and \$108 million during 2015, 2014 and 2013, respectively. In 2015, we made noncash contributions of \$250 million in UTC common stock to our defined benefit pension plans. As of December 31, 2015, the total investment by the global defined benefit pension plans in our securities was approximately 3% of total plan assets. Although our domestic defined benefit pension plans are approximately 88% funded on a projected benefit obligation basis as of December 31, 2015, and we are not required to make additional contributions through the end of 2020, we may elect to make discretionary contributions in 2016. We expect to make total contributions of approximately \$175 million to our global defined benefit pension plans in 2016. Contributions to our global defined benefit pension plans in 2016 are expected to meet or exceed the current funding requirements.

2014 Compared with 2013

Cash generated from operating activities of continuing operations in 2014 was \$320 million lower than 2013. Income from continuing operations and noncash deferred income tax provision and depreciation and amortization charges were approximately \$1 billion higher than 2013, offset by \$883 million of higher investments in working capital and \$409 million of higher global pension contributions than in 2013. The 2014 cash outflows for working capital were driven by increases in inventory to support deliveries and other contractual commitments across all business segments. Reductions in accounts receivable in our aerospace businesses, driven primarily by accelerated customer collections and selected factoring primarily at Pratt & Whitney, were partially offset by increases in accounts receivable in our commercial businesses. For 2013, cash inflows for working capital were driven by an increase in customer advances and accruals, primarily at Pratt & Whitney and Otis, partially offset by an increase in accounts receivable attributable to sales volumes and timing, primarily at Pratt & Whitney and UTC Aerospace Systems. Increases in inventories and contracts in progress were largely offset by increases in accounts payable.

Cash Flow—Investing Activities of Continuing Operations

(dollars in millions)

	2015	2014	2013
Net cash flows used in investing activities of continuing operations	\$ (2,527)	\$ (2,192)	\$ (1,323)

2015 Compared with 2014

Cash flows used in investing activities of continuing operations for 2015 primarily reflect capital expenditures of approximately \$1.7 billion and payments related to our collaboration intangible assets and contractual rights to provide product on new aircraft platforms of approximately \$685 million. Cash flows used in investing activities of continuing operations for 2014 primarily reflect capital expenditures of approximately \$1.6 billion and payments related to our collaboration intangible assets and contractual rights to provide product on new aircraft platforms of approximately \$800 million, partially offset by net

proceeds of approximately \$344 million from business dispositions, primarily a number of small dispositions in our commercial businesses.

In 2015, we increased our collaboration intangible assets by approximately \$437 million, of which \$300 million represented payments made under our 2012 agreement to acquire Rolls-Royce's ownership and collaboration interests in IAE. Capital expenditures for 2015 primarily relate to investments in new programs at Pratt & Whitney and UTC Aerospace Systems. Cash investments in businesses in 2015 were approximately \$538 million, and were partially offset by net proceeds of approximately \$200 million from business dispositions. Cash investments in businesses in 2015 consisted of the acquisition of the majority interest in a UTC Climate, Controls & Security business, the acquisition of an imaging technology company by UTC Aerospace Systems and a number of small acquisitions, primarily in our commercial businesses. Approximately \$210 million of our restricted cash balance as of December 31, 2014 was utilized in cash investments in businesses in 2015.

We expect total cash investments for acquisitions in 2016 to be \$1 billion to \$2 billion. However, actual acquisition spending may vary depending upon the timing, availability and appropriate value of acquisition opportunities. We expect capital expenditures in 2016 to be approximately \$1.7 billion.

As discussed in Note 14 to the Consolidated Financial Statements, we enter into derivative instruments for risk management purposes only, including derivatives designated as hedging instruments under the Derivatives and Hedging Topic of the Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) and those utilized as economic hedges. We operate internationally and, in the normal course of business, are exposed to fluctuations in interest rates, foreign exchange rates and commodity prices. These fluctuations can increase the costs of financing, investing and operating the business. We have used derivative instruments, including swaps, forward contracts and options to manage certain foreign currency, interest rate and commodity price exposures. During the years ended December 31, 2015 and 2014, we had net cash receipts of approximately \$160 million and \$93 million, respectively, from the settlement of these derivative instruments, primarily related to the strengthening of the U.S. Dollar.

Customer financing activities were a net use of cash of \$169 million in 2015 and a net source of cash of \$129 million in 2014. While we expect that 2016 customer financing activity will be a net use of funds, actual funding is subject to usage under existing customer financing commitments during the year. We may also arrange for third-party investors to assume a portion of our commitments. At December 31, 2015, we had commercial aerospace financing and other contractual commitments of approximately \$14.6 billion related to commercial aircraft and certain contractual rights to provide product on new aircraft platforms, of which as much as \$1.2 billion may be required to be disbursed during 2016. As discussed in Note 1 to the Consolidated Financial Statements, we have entered into certain collaboration arrangements, which may include participation by our collaborators in these commitments. At December 31, 2015, our collaborators' share of these commitments was approximately \$4.1 billion of which as much as \$344 million may be required to be disbursed to us during 2016. Refer to Note 5 to the Consolidated Financial Statements for additional discussion of our commercial aerospace industry assets and commitments.

2014 Compared with 2013

Cash flows used in investing activities of continuing operations for 2014 primarily reflect capital expenditures of approximately \$1.6 billion and payments related to our collaboration intangible assets and contractual rights to provide product on new aircraft platforms of approximately \$800 million.

Cash flows used in investing activities of continuing operations in 2013 primarily reflect the net proceeds of approximately \$1.6 billion from business dispositions, offset by capital expenditures of approximately \$1.6 billion and payments related to our collaboration intangible assets and contractual rights to provide product on new aircraft platforms of approximately \$930 million. Business dispositions in 2013 included the sale of the legacy Goodrich pumps and engine controls business, the sale of the legacy Goodrich electric power systems business and the sale of Pratt & Whitney Power Systems.

Cash investments in businesses in 2014 were approximately \$402 million, and included the acquisition of the majority interest in a Pratt & Whitney joint venture and a number of small acquisitions, primarily in our commercial businesses. Capital expenditures in 2014 were consistent with 2013 and related primarily to investments in new programs at Pratt & Whitney and UTC Aerospace Systems, as well as continuation of Goodrich integration activities at UTC Aerospace Systems. Customer financing activities were a net source of cash of \$129 million in 2014 and a net use of cash of \$134 million in 2013.

Cash Flow—Financing Activities of Continuing Operations

(dollars in millions)

	2015	2014	2013
Net cash flows used in financing activities of continuing operations	<u>\$ (10,776)</u>	<u>\$ (4,247)</u>	<u>\$ (5,931)</u>

2015 Compared with 2014

The timing and levels of certain cash flow activities, such as acquisitions and repurchases of our stock, have resulted in the issuance of both long-term and short-term debt. Commercial paper borrowings and revolving credit facilities provide short-term liquidity to supplement operating cash flows and are used for general corporate purposes, including the funding of potential acquisitions and repurchases of our stock. We had approximately \$727 million of outstanding commercial paper at December 31, 2015. At December 31, 2014, we had no commercial paper outstanding.

On May 4, 2015, we completed the previously announced optional remarketing of the 1.550% junior subordinated notes, which were originally issued as part of our equity units on June 18, 2012. As a result of the remarketing, these notes were redesignated as our 1.778% junior subordinated notes due May 4, 2018. On August 3, 2015, we received approximately \$1.1 billion from the proceeds of the remarketing, and issued approximately 11.3 million shares of our common stock to settle the purchase obligation of the holders of the equity units under the purchase contract entered into at the time of the original issuance of the equity units.

On March 13, 2015, we entered into ASR agreements to repurchase an aggregate of \$2.65 billion of our common stock, which was largely funded by our commercial paper borrowings. Under the terms of the ASR agreements, we made the aggregate payments and received an initial delivery of approximately 18.6 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased. On July 31, 2015, the shares associated with the remaining portion of the aggregate purchase were settled upon final delivery of approximately 4.2 million additional shares of common stock.

On July 19, 2015, our Board of Directors authorized a share repurchase program for up to 75 million shares of our common stock, replacing the program announced on February 4, 2013 which was nearing completion. The remaining authority to repurchase approximately 16.2 million shares of our common stock under the February 2013 share repurchase program was revoked and replaced as of July 19, 2015 with the new share repurchase program. Under this program shares were authorized to be purchased, and under the October 2015 program discussed below, shares may be purchased on the open market, in privately negotiated transactions, under ASR programs, and under plans complying with Rules 10b5-1 and 10b-18 under the Securities Exchange Act of 1934, as amended. We may also reacquire shares outside of the program from time to time in connection with the surrender of shares to cover taxes on vesting of restricted stock.

On October 14, 2015, our Board of Directors authorized a share repurchase program for up to \$12 billion of our common stock, replacing the program announced on July 19, 2015. On November 11, 2015, we entered into ASR agreements to repurchase an aggregate of \$6 billion of our common stock utilizing the net after-tax proceeds from the sale of Sikorsky. Under the terms of those November 11th ASR agreements, we made the aggregate payments on November 16, 2015 and received an initial delivery of approximately 51.9 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased. The shares associated with the remaining portion of the aggregate purchase price are to be settled over six tranches. Upon settlement of each tranche, we may be entitled to receive additional common shares or, under certain limited circumstances, be required to deliver shares or make additional payments to the counterparties. The final settlement of the transactions under all tranches is expected to occur no later than the third quarter of 2016. In addition to transactions under the ASR agreements discussed above, we repurchased approximately 14 million shares of our common stock for approximately \$1.35 billion during the year ended December 31, 2015. In 2014, we repurchased 13.5 million shares of our common stock for approximately \$1.5 billion.

We expect 2016 share repurchases to be approximately \$3 billion. Our share repurchases vary depending upon various factors including the level of our other investing activities. In 2015 and 2014, we paid aggregate dividends on common stock of approximately \$2.2 billion and \$2.0 billion, respectively.

We have an existing universal shelf registration statement filed with the SEC for an indeterminate amount of debt and equity securities for future issuance, subject to our internal limitations on the amount of securities to be issued under this shelf registration statement.

2014 Compared with 2013

In 2014, we made repayments of long-term debt of \$304 million, including redemption of all remaining outstanding 2016 Goodrich 6.290% notes, representing approximately \$188 million in aggregate principal. In 2013 we made repayments of long-term debt of approximately \$2.9 billion. We had no commercial paper outstanding at December 31, 2014. We had \$200 million of commercial paper outstanding at December 31, 2013. Financing cash outflows for 2013 included the repurchase of 12.6 million shares of our common stock for approximately \$1.2 billion.

In 2014, we paid aggregate dividends on common stock of approximately \$2.0 billion. During 2013, an aggregate \$1.9 billion of cash dividends were paid to common stock shareowners.

Cash Flow—Discontinued Operations

(dollars in millions)

	2015	2014	2013
Net cash flows provided by (used in) discontinued operations	\$ 8,619	\$ 217	\$ (236)

2015 Compared with 2014

Cash flows from discontinued operations for the year ended December 31, 2015 primarily reflect those from investing activities, which includes the proceeds of \$9,083 million from the sale of Sikorsky to Lockheed Martin Corp., completed on November 6, 2015, partially offset by capital expenditures of Sikorsky in 2015. Cash outflows from operating activities of discontinued operations for the year ended December 31, 2015 primarily reflect operating income and noncash expenses, as well as net investments in working capital and other net operating assets of Sikorsky.

For the year ended December 31, 2014, cash flows provided by discontinued operations primarily reflect cash provided by Sikorsky operating income of approximately \$150 million and noncash charges, including \$438 million of charges related to the change in estimate resulting from contract amendments signed with the Canadian government for the CH-148 derivative of the H-92 helicopter, a military variant of the S-92 helicopter (the Cyclone Helicopter program), partially offset by working capital investments in inventories. Cash flows used in investing activities of \$113 million were primarily related to capital expenditures of Sikorsky.

2014 Compared with 2013

For the year ended December 31, 2014, cash flows provided by discontinued operations primarily reflect cash provided by Sikorsky operating income of approximately \$150 million and noncash charges, including \$438 million of charges related to the change in estimate for the contract amendments signed with the Canadian government for the Cyclone Helicopter program, partially offset by working capital investments in inventories. Cash flows used in investing activities of \$113 million were primarily related to capital expenditures of Sikorsky.

Cash flows used in discontinued operations in 2013 were driven by tax payments of approximately \$640 million, primarily related to transactions concluded in 2012 and reported in discontinued operations. Net cash flows used in discontinued operations for 2013 includes positive cash flows of approximately \$400 million related to the sale of Rocketdyne, and cash flows from the operating activities of Rocketdyne, and of UTC Power through its date of disposition of February 12, 2013, as well as payments made in settlement of liabilities, transaction costs, and interim funding of UTC Power and of Clipper, which was divested in 2012. Cash flows from discontinued operations in 2013 related to Sikorsky include operating cash flows of approximately \$190 million partially offset by investing cash flows of approximately \$140 million, primarily related to capital expenditures of Sikorsky.

CRITICAL ACCOUNTING ESTIMATES

Preparation of our financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses. Note 1 to the Consolidated Financial Statements describes the significant accounting policies used in preparation of the Consolidated Financial Statements. Management believes the most complex and sensitive judgments, because of their significance to the Consolidated Financial Statements, result primarily from the need to make estimates about the effects of matters that are inherently uncertain. The most significant areas involving management judgments and estimates are described below. Actual results in these areas could differ from management's estimates.

Long-Term Contract Accounting. We utilize percentage-of-completion accounting on certain of our long-term contracts. The percentage-of-completion method requires estimates of future revenues and costs over the full term of product and/or service delivery. We also utilize the completed-contract method of accounting on certain lesser value commercial contracts. Under the completed-contract method, sales and cost of sales are recognized when a contract is completed.

Losses, if any, on long-term contracts are provided for when anticipated. We recognize loss provisions on original equipment contracts to the extent that estimated inventoriable manufacturing, engineering, product warranty and product performance guarantee costs, as appropriate, exceed the projected revenue from the products contemplated under the contractual arrangement. For new commitments, we generally record loss provisions at the earlier of contract announcement or contract signing except for certain requirements contracts under which losses are recorded based upon receipt of the purchase order which obligates us to perform. For existing commitments, anticipated losses on contracts are recognized in the period in which losses become evident. Products contemplated under the contractual arrangement include products purchased under the contract and, in the large commercial engine and wheels and brakes businesses, future highly probable sales of replacement parts required by regulation that are expected to be purchased subsequently for incorporation into the original equipment. Revenue projections used in determining contract loss provisions are based upon estimates of the quantity, pricing and timing of future product deliveries. We measure the extent of progress toward completion on our long-term commercial aerospace

equipment contracts using units-of-delivery. In addition, we use the cost-to-cost method for elevator and escalator sales, installation and modernization contracts in the commercial businesses and certain aerospace development contracts. For long-term aftermarket contracts, we recognize revenue over the contract period in proportion to the costs expected to be incurred in performing services under the contract. Contract accounting also requires estimates of future costs over the performance period of the contract as well as an estimate of award fees and other sources of revenue.

Contract costs are incurred over a period of time, which can be several years, and the estimation of these costs requires management's judgment. The long-term nature of these contracts, the complexity of the products, and the strict safety and performance standards under which they are regulated can affect our ability to estimate costs precisely. As a result, we review and update our cost estimates on significant contracts on a quarterly basis, and no less frequently than annually for all others, and when circumstances change and warrant a modification to a previous estimate. We record changes in contract estimates using the cumulative catch-up method in accordance with the Revenue Recognition Topic of the FASB ASC.

Income Taxes. The future tax benefit arising from net deductible temporary differences and tax carryforwards was \$6.2 billion at December 31, 2015 and \$5.5 billion at December 31, 2014. Management believes that our earnings during the periods when the temporary differences become deductible will be sufficient to realize the related future income tax benefits, which may be realized over an extended period of time. For those jurisdictions where the expiration date of tax carryforwards or the projected operating results indicate that realization is not likely, a valuation allowance is provided.

In assessing the need for a valuation allowance, we estimate future taxable income, considering the feasibility of ongoing tax planning strategies and the realizability of tax loss carryforwards. Valuation allowances related to deferred tax assets can be affected by changes to tax laws, changes to statutory tax rates and future taxable income levels. In the event we were to determine that we would not be able to realize all or a portion of our deferred tax assets in the future, we would reduce such amounts through an increase to tax expense in the period in which that determination is made or when tax law changes are enacted. Conversely, if we were to determine that we would be able to realize our deferred tax assets in the future in excess of the net carrying amounts, we would decrease the recorded valuation allowance through a decrease to tax expense in the period in which that determination is made.

In the ordinary course of business there is inherent uncertainty in quantifying our income tax positions. We assess our income tax positions and record tax benefits for all years subject to examination based upon management's evaluation of the facts, circumstances and information available at the reporting date. For those tax positions where it is more likely than not that a tax benefit will be sustained, we have recorded the largest amount of tax benefit with a greater than 50% likelihood of being realized upon ultimate settlement with a taxing authority that has full knowledge of all relevant information. For those income tax positions where it is not more likely than not that a tax benefit will be sustained, no tax benefit has been recognized in the financial statements. See Notes 1 and 11 to the Consolidated Financial Statements for further discussion. Also see Note 17 for discussion of UTC administrative review proceedings with the German Tax Office.

Goodwill and Intangible Assets. Our investments in businesses in 2015 totaled \$556 million (including debt assumed of \$18 million). The assets and liabilities of acquired businesses are recorded under the acquisition method of accounting at their estimated fair values at the dates of acquisition. Goodwill represents costs in excess of fair values assigned to the underlying identifiable net assets of acquired businesses. Intangible assets consist of service portfolios, patents, trademarks/tradenames, customer relationships and other intangible assets including a collaboration asset established in connection with the restructuring of IAE as discussed above and in Note 2 to the Consolidated Financial Statements.

Also included within other intangible assets are payments made to secure certain contractual rights to provide product on new commercial aerospace platforms. Such payments are capitalized when there are distinct rights obtained and there are sufficient incremental cash flows to support the recoverability of the assets established. Otherwise, the applicable portion of the payments are expensed. Capitalized payments made on these contractual commitments are amortized as a reduction of sales. We amortize these intangible assets based on the pattern of economic benefit, which may result in an amortization method other than straight-line. In the aerospace industry, amortization based on the pattern of economic benefit generally results in lower amortization expense during the development period with increasing amortization expense as programs enter full production and aftermarket cycles. If a pattern of economic benefit cannot be reliably determined, a straight-line amortization method is used. The gross value of these contractual commitments at December 31, 2015 was approximately \$9.9 billion, of which approximately \$1.6 billion has been paid to date. We record these payments as intangible assets when such payments are no longer conditional. The recoverability of these intangibles is dependent upon the future success and profitability of the underlying aircraft platforms including the associated aftermarket revenue streams.

Goodwill and intangible assets deemed to have indefinite lives are not amortized, but are subject to annual, or more frequent if necessary, impairment testing using the guidance and criteria described in the Intangibles—Goodwill and Other Topic of the FASB ASC. This testing compares carrying values to fair values and, when appropriate, the carrying values of these assets are reduced to fair value. In developing our estimates for the fair value of our reporting units, significant judgment

is required in the determination of the appropriateness of using a qualitative assessment or quantitative assessment. When quantitative assessments are required or elected to be performed, fair value is primarily based on income approaches using discounted cash flow models which have significant assumptions. Such assumptions are subject to variability from year to year and are directly impacted by global market conditions. We completed our annual impairment testing as of July 1, 2015 and determined that no significant adjustments to the carrying value of goodwill or indefinite lived intangible assets were necessary based on the results of the impairment tests. Although these assets are not currently impaired, there can be no assurance that future impairments will not occur. See Note 2 to the Consolidated Financial Statements for further discussion.

Contingent Liabilities. Our operating units include businesses which sell products and services and conduct operations throughout the world. As described in Note 17 to the Consolidated Financial Statements, contractual, regulatory and other matters, including asbestos claims, in the normal course of business may arise that subject us to claims or litigation. Additionally, we have significant contracts with the U.S. Government, subject to government oversight and audit, which may require significant adjustment of contract prices. We accrue for liabilities associated with these matters when it is probable that a liability has been incurred and the amount can be reasonably estimated. The most likely cost to be incurred is accrued based on an evaluation of then currently available facts with respect to each matter. When no amount within a range of estimates is more likely, the minimum is accrued. The inherent uncertainty related to the outcome of these matters can result in amounts materially different from any provisions made with respect to their resolution.

Employee Benefit Plans. We sponsor domestic and foreign defined benefit pension and other postretirement plans. Major assumptions used in the accounting for these employee benefit plans include the discount rate, expected return on plan assets, rate of increase in employee compensation levels, mortality rates, and health care cost increase projections. Assumptions are determined based on company data and appropriate market indicators, and are evaluated each year at December 31. A change in any of these assumptions would have an effect on net periodic pension and postretirement benefit costs reported in the Consolidated Financial Statements.

In the following table, we show the sensitivity of our pension and other postretirement benefit plan liabilities and net annual periodic cost to a 25 basis point change in the discount rate as of December 31, 2015 :

<i>(dollars in millions)</i>	Increase in Discount Rate of 25 bps	Decrease in Discount Rate of 25 bps
Pension plans		
Projected benefit obligation	\$ (1,047)	\$ 1,087
Net periodic pension cost	(75)	77
Other postretirement benefit plans		
Accumulated postretirement benefit obligation	(17)	18
Net periodic postretirement benefit cost	(1)	1

These estimates assume no change in the shape or steepness of the company-specific yield curve used to plot the individual spot rates that will be applied to the future cash outflows for future benefit payments in order to calculate interest and service cost. A flattening of the yield curve, from a narrowing of the spread between interest and obligation discount rates, would increase our net periodic pension cost. Conversely, a steepening of the yield curve, from an increase in the spread between interest and obligation discount rates, would decrease our net periodic pension cost.

Pension expense is also sensitive to changes in the expected long-term rate of asset return. An increase or decrease of 25 basis points in the expected long-term rate of asset return would have decreased or increased 2015 pension expense by approximately \$ 75 million .

The weighted-average discount rate used to measure pension liabilities and costs is set by reference to UTC-specific analysis using each plan's specific cash flows and is then compared to high-quality bond indices for reasonableness. Global market interest rates have increased in 2015 as compared with 2014 and, as a result, the weighted-average discount rate used to measure pension liabilities increased from 3.8% in 2014 to 4.1% in 2015 . In December 2009, we amended the salaried retirement plans (qualified and non-qualified) to change the retirement formula effective January 1, 2015. The formula changed from a final average earnings (FAE) and credited service formula to the existing cash balance formula that was adopted in 2003 for newly hired non-union employees and for other non-union employees who made a one-time voluntary election to have future benefit accruals determined under this formula. Employees hired after 2009 are not eligible for any defined benefit pension plan and will instead receive an enhanced benefit under the UTC Savings Plan. As of July 26, 2012 the same amendment was applied to legacy Goodrich salaried employees. Across our global pension plans, the impact of higher discount rates for pension obligations, a change in the manner of estimating discount rates for service cost and interest cost and the continued recognition of prior pension investment gains, partially offset by a reduction in the expected return on plan assets and

2015 actual return on plan assets, will result in decreased pension expense in 2016 of approximately \$500 million as compared to 2015, including a \$215 million decrease in 2016 pension expense as a result of the change in accounting estimate discussed in Note 12.

See Note 12 to the Consolidated Financial Statements for further discussion.

OFF-BALANCE SHEET ARRANGEMENTS AND CONTRACTUAL OBLIGATIONS

We extend a variety of financial guarantees to third parties in support of unconsolidated affiliates and for potential financing requirements of commercial aerospace customers. We also have obligations arising from sales of certain businesses and assets, including indemnities for representations and warranties and environmental, health and safety, tax and employment matters. Circumstances that could cause the contingent obligations and liabilities arising from these arrangements to come to fruition include changes in an underlying transaction (e.g., hazardous waste discoveries, etc.), nonperformance under a contract, customer requests for financing, or deterioration in the financial condition of the guaranteed party.

A summary of our consolidated contractual obligations and commitments as of December 31, 2015 is as follows:

<i>(dollars in millions)</i>	Total	Payments Due by Period			
		2016	2017-2018	2019-2020	Thereafter
Long-term debt—principal	\$ 19,439	\$ 179	\$ 3,837	\$ 3,070	\$ 12,353
Long-term debt—future interest	12,585	872	1,642	1,351	8,720
Operating leases	2,183	529	676	340	638
Purchase obligations	13,316	6,763	4,773	1,724	56
Other long-term liabilities	5,096	1,381	1,226	433	2,056
Total contractual obligations	\$ 52,619	\$ 9,724	\$ 12,154	\$ 6,918	\$ 23,823

Purchase obligations include amounts committed under legally enforceable contracts or purchase orders for goods and services with defined terms as to price, quantity, delivery and termination liability. Approximately 13% of the purchase obligations disclosed above represent purchase orders for products to be delivered under firm contracts with the U.S. Government for which we have full recourse under customary contract termination clauses.

Other long-term liabilities primarily include those amounts on our December 31, 2015 balance sheet representing obligations under product service and warranty policies, performance and operating cost guarantees, estimated environmental remediation costs and expected contributions under employee benefit programs. The timing of expected cash flows associated with these obligations is based upon management's estimates over the terms of these agreements and is largely based upon historical experience.

In connection with the acquisition of Goodrich in 2012, we recorded assumed liabilities of approximately \$2.2 billion related to customer contractual obligations on certain OEM development programs where the expected costs exceeded the expected revenue under contract. These liabilities are being liquidated in accordance with the underlying economic pattern of obligations, as reflected by the net cash outflows incurred on the OEM contracts. Total consumption of the contractual obligations for the year ended December 31, 2015 was approximately \$193 million. Total future consumption of the contractual obligations is expected to be as follows: \$252 million in 2016, \$259 million in 2017, \$250 million in 2018, \$219 million in 2019, \$84 million in 2020 and \$351 million thereafter. These amounts are not included in the table above.

The above table also does not reflect unrecognized tax benefits of \$ 1,169 million, the timing of which is uncertain, except for approximately \$ 28 million that may become payable during 2016. Refer to Note 11 to the Consolidated Financial Statements for additional discussion on unrecognized tax benefits.

COMMERCIAL COMMITMENTS

The following table summarizes our commercial commitments outstanding as of December 31, 2015 :

<i>(dollars in millions)</i>	Amount of Commitment Expiration per Period				
	Committed	2016	2017-2018	2019-2020	Thereafter
Commercial aerospace financing commitments	\$ 2,608	\$ 410	\$ 939	\$ 559	\$ 700
Other commercial aerospace commitments	11,985	821	1,825	1,471	7,868
Commercial aerospace financing arrangements	365	2	4	12	347
Credit facilities and debt obligations (expire 2016 to 2028)	241	162	64	—	15
Performance guarantees	55	7	—	39	9
Total commercial commitments	\$ 15,254	\$ 1,402	\$ 2,832	\$ 2,081	\$ 8,939

In 2012, Pratt & Whitney obtained increased ownership and collaboration interests in IAE and an intellectual property license, paying Rolls-Royce \$1.5 billion at closing, with additional payments due to Rolls-Royce contingent upon each hour flown by the V2500-powered aircraft in service as of June 29, 2012 during the fifteen-year period following closing of the purchase. These flight hour payments, included in "Other commercial aerospace commitments" in the table above, are being capitalized as collaboration intangible assets.

We also have other contractual commitments, including commitments to secure certain contractual rights to provide product on new aircraft platforms, which are included in "Other commercial aerospace commitments" in the table above. Such payments are capitalized when there are distinct rights obtained and there are sufficient incremental cash flows to support the recoverability of the assets established. Otherwise, the applicable portion of the payments are expensed. Capitalized payments made on these contractual commitments are included in intangible assets and are amortized over the term of underlying economic benefit.

Refer to Notes 1, 5 and 16 to the Consolidated Financial Statements for additional discussion on contractual and commercial commitments.

MARKET RISK AND RISK MANAGEMENT

We are exposed to fluctuations in foreign currency exchange rates, interest rates and commodity prices. To manage certain of those exposures, we use derivative instruments, including swaps, forward contracts and options. Derivative instruments utilized by us in our hedging activities are viewed as risk management tools, involve little complexity and are not used for trading or speculative purposes. We diversify the counterparties used and monitor the concentration of risk to limit our counterparty exposure.

We have evaluated our exposure to changes in foreign currency exchange rates, interest rates and commodity prices in our market risk sensitive instruments, which are primarily cash, debt and derivative instruments, using a value at risk analysis. Based on a 95% confidence level and a one-day holding period, at December 31, 2015, the potential loss in fair value on our market risk sensitive instruments was not material in relation to our financial position, results of operations or cash flows. Our calculated value at risk exposure represents an estimate of reasonably possible net losses based on volatilities and correlations and is not necessarily indicative of actual results. Refer to Notes 1, 9 and 14 to the Consolidated Financial Statements for additional discussion of foreign currency exchange, interest rates and financial instruments.

Foreign Currency Exposures. We have a large volume of foreign currency exposures that result from our international sales, purchases, investments, borrowings and other international transactions. International segment sales, including U.S. export sales, averaged approximately \$36 billion over the last three years. We actively manage foreign currency exposures that are associated with committed foreign currency purchases and sales, and other assets and liabilities created in the normal course of business at the operating unit level. More than insignificant exposures that cannot be naturally offset within an operating unit are hedged with foreign currency derivatives. We also have a significant amount of foreign currency net asset exposures. As discussed in Note 9 to the Consolidated Financial Statements, on May 22, 2015 we issued approximately €750 million of Euro-denominated debt, which qualifies as a net investment hedge against our investments in European businesses under ASC 815, *Derivatives and Hedging*. As of December 31, 2015, the net investment hedge is deemed to be effective as defined under ASC 815. Currently, we do not hold any derivative contracts that hedge our foreign currency net asset exposures but may consider such strategies in the future.

Within aerospace, our sales are typically denominated in U.S. Dollars under accepted industry convention. However, for our non-U.S. based entities, such as P&WC, a substantial portion of their costs are incurred in local currencies. Consequently,

there is a foreign currency exchange impact and risk to operational results as U.S. Dollars must be converted to local currencies such as the Canadian Dollar in order to meet local currency cost obligations. In order to minimize the exposure that exists from changes in the exchange rate of the U.S. Dollar against these other currencies, we hedge a certain portion of sales to secure the rates at which U.S. Dollars will be converted. The majority of this hedging activity occurs at P&WC, and hedging activity also occurs to a lesser extent at certain UTC Aerospace Systems' European businesses. At P&WC, firm and forecasted sales for both engines and spare parts are hedged at varying amounts up to 48 months on the U.S. Dollar sales exposure as represented by the excess of U.S. Dollar sales over U.S. Dollar denominated purchases. Hedging gains and losses resulting from movements in foreign currency exchange rates are partially offset by the foreign currency translation impacts that are generated on the translation of local currency operating results into U.S. Dollars for reporting purposes. While the objective of the hedging program is to minimize the foreign currency exchange impact on operating results, there are typically variances between the hedging gains or losses and the translational impact due to the length of hedging contracts, changes in the sales profile, volatility in the exchange rates and other such operational considerations.

Interest Rate Exposures. Our long-term debt portfolio consists mostly of fixed-rate instruments. From time to time, we may hedge to floating rates using interest rate swaps. The hedges are designated as fair value hedges and the gains and losses on the swaps are reported in interest expense, reflecting that portion of interest expense at a variable rate. We issue commercial paper, which exposes us to changes in interest rates. Currently, we do not hold any derivative contracts that hedge our interest exposures, but may consider such strategies in the future.

Commodity Price Exposures. We are exposed to volatility in the prices of raw materials used in some of our products and from time to time we may use forward contracts in limited circumstances to manage some of those exposures. In the future, if hedges are used, gains and losses may affect earnings. There were no significant outstanding commodity hedges as of December 31, 2015 .

ENVIRONMENTAL MATTERS

Our operations are subject to environmental regulation by federal, state and local authorities in the United States and regulatory authorities with jurisdiction over our foreign operations. As a result, we have established, and continually update, policies relating to environmental standards of performance for our operations worldwide. We believe that expenditures necessary to comply with the present regulations governing environmental protection will not have a material effect upon our competitive position, results of operations, cash flows or financial condition.

We have identified 723 locations, mostly in the United States, at which we may have some liability for remediating contamination. We have resolved our liability at 326 of these locations. We do not believe that any individual location's exposure will have a material effect on our results of operations. Sites in the investigation, remediation or operation and maintenance stage represent approximately 93% of our accrued environmental remediation reserve.

We have been identified as a potentially responsible party under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA or Superfund) at 127 sites. The number of Superfund sites, in and of itself, does not represent a relevant measure of liability because the nature and extent of environmental concerns vary from site to site and our share of responsibility varies from sole responsibility to very little responsibility. In estimating our liability for remediation, we consider our likely proportionate share of the anticipated remediation expense and the ability of other potentially responsible parties to fulfill their obligations.

At December 31, 2015 and 2014 , we had \$837 million and \$863 million reserved for environmental remediation, respectively. Cash outflows for environmental remediation were \$50 million in 2015, \$63 million in 2014 and \$40 million in 2013. We estimate that ongoing environmental remediation expenditures in each of the next two years will not exceed approximately \$85 million.

ASBESTOS MATTERS

As a result of the definitization of the insurance coverage for existing and potential future asbestos claims through the negotiation and establishment of settlement agreements during 2015, as well as the stabilization of company and industry experience, we believe the basis exists to establish a reasonably estimable reserve for our potential asbestos exposure.

With the aid of an outside actuarial expert, we have estimated and recorded a total undiscounted liability, including previously recognized liabilities, for pending and future asbestos-related claims through 2059 of \$376 million. Additionally, we have recorded probable insurance recoveries related to this estimated liability of \$106 million based upon the coverage-in-place agreements negotiated with our insurers during 2015. As a result, we recorded a noncash pretax charge to earnings of \$237 million in the fourth quarter of 2015. See Note 17 "Commitments & Contingencies" of our Consolidated Financial Statements for further discussion of this matter.

GOVERNMENT MATTERS

As described in "Critical Accounting Estimates—Contingent Liabilities," our contracts with the U.S. Government are subject to audits. Such audits may recommend that certain contract prices should be reduced to comply with various government regulations, or that certain payments be delayed or withheld. We are also the subject of one or more investigations and legal proceedings initiated by the U.S. Government with respect to government contract matters. See "Legal Proceedings" in Item 1 to this Form 10-K and Note 11 "Income Taxes" and Note 17 "Commitments & Contingencies" of our Consolidated Financial Statements for further discussion of these and other government matters.

Cautionary Note Concerning Factors That May Affect Future Results

This 2015 Annual Report to Shareowners (2015 Annual Report) contains statements which, to the extent they are not statements of historical or present fact, constitute "forward-looking statements" under the securities laws. From time to time, oral or written forward-looking statements may also be included in other information released to the public. These forward-looking statements are intended to provide management's current expectations or plans for our future operating and financial performance, based on assumptions currently believed to be valid. Forward-looking statements can be identified by the use of words such as "believe," "expect," "expectations," "plans," "strategy," "prospects," "estimate," "project," "target," "anticipate," "will," "should," "see," "guidance," "confident" and other words of similar meaning in connection with a discussion of future operating or financial performance. Forward-looking statements may include, among other things, statements relating to future sales, earnings, cash flow, results of operations, uses of cash, share repurchases and other measures of financial performance or potential future plans, strategies or transactions. All forward-looking statements involve risks, uncertainties and other factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements. For those statements, we claim the protection of the safe harbor for forward-looking statements contained in the U.S. Private Securities Litigation Reform Act of 1995. Such risks, uncertainties and other factors include, without limitation:

- the effect of economic conditions in the industries and markets in which we operate in the U.S. and globally and any changes therein, including financial market conditions, fluctuations in commodity prices, interest rates and foreign currency exchange rates, levels of end market demand in construction and in both the commercial and defense segments of the aerospace industry, levels of air travel, financial condition of commercial airlines, the impact of weather conditions and natural disasters and the financial condition of our customers and suppliers;
- challenges in the development, production, delivery, support, performance and realization of the anticipated benefits of advanced technologies and new products and services;
- future levels of indebtedness and capital spending and research and development spending;
- future availability of credit and factors that may affect such availability, including credit market conditions and our capital structure;
- delays and disruption in delivery of materials and services from suppliers;
- customer- and Company- directed cost reduction efforts and restructuring costs and savings and other consequences thereof;
- the scope, nature, impact or timing of acquisition and divestiture activity, including among other things integration of acquired businesses into our existing businesses and realization of synergies and opportunities for growth and innovation;
- new business opportunities;
- our ability to realize the intended benefits of organizational changes;
- the anticipated benefits of diversification and balance of operations across product lines, regions and industries;
- the timing and scope of future repurchases of our common stock;
- the outcome of legal proceedings, investigations and other contingencies;
- pension plan assumptions and future contributions;
- the impact of the negotiation of collective bargaining agreements and labor disputes;
- the effect of changes in political conditions in the U.S. and other countries in which we operate; and
- the effect of changes in tax, environmental, regulatory (including among other things import/export) and other laws and regulations in the U.S. and other countries in which we operate.

In addition, our Annual Report on Form 10-K for 2015 includes important information as to risks, uncertainties and other factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements. See the "Notes to Consolidated Financial Statements" under the heading "Note 17: Contingent Liabilities," the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" under the headings "Business Overview," "Results of Operations," "Liquidity and Financial Condition," and "Critical Accounting Estimates," and the section titled "Risk Factors." Our Annual Report on Form 10-K for 2015 also includes important information as to these factors in the "Business" section under the headings "General," "Description of Business by Segment" and "Other Matters Relating to Our Business as a Whole," and in the "Legal Proceedings" section. Additional important information as to these factors is included in this 2015 Annual Report in the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations" under the headings "Restructuring Costs," "Environmental Matters" and "Governmental Matters." The forward-looking statements speak only as of the date of this report or, in the case of any document incorporated by reference, the date of that document. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law. Additional information as to factors that may cause actual results to differ materially from those expressed or implied in the forward-looking statements is disclosed from time to time in our other filings with the SEC.

Management's Report on Internal Control over Financial Reporting

The management of UTC is responsible for establishing and maintaining adequate internal control over financial reporting. 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 reporting purposes in accordance with accounting principles generally accepted in the United States of America. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Management has assessed the effectiveness of UTC's internal control over financial reporting as of December 31, 2015 . In making its assessment, management has utilized the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission in its *Internal Control—Integrated Framework* , released in 2013 . Management concluded that based on its assessment, UTC's internal control over financial reporting was effective as of December 31, 2015 . The effectiveness of UTC's internal control over financial reporting, as of December 31, 2015 , has been audited by PricewaterhouseCoopers LLP, an independent registered public accounting firm, as stated in their report which is included herein.

/s/ Gregory J. Hayes

Gregory J. Hayes

President and Chief Executive Officer

/s/ Akhil Johri

Akhil Johri

Executive Vice President & Chief Financial Officer

/s/ Neil G. Mitchill, Jr.

Neil G. Mitchill, Jr.

Corporate Vice President, Controller

Report of Independent Registered Public Accounting Firm

TO THE BOARD OF DIRECTORS AND SHAREOWNERS OF UNITED TECHNOLOGIES CORPORATION:

In our opinion, the accompanying consolidated balance sheets and the related consolidated statement of operations, of comprehensive income, of cash flows and of changes in equity present fairly, in all material respects, the financial position of United Technologies Corporation and its subsidiaries at December 31, 2015 and December 31, 2014, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2015 in conformity with accounting principles generally accepted in the United States of America. Also in our opinion, the Corporation maintained, in all material respects, effective internal control over financial reporting as of December 31, 2015 based on criteria established in *Internal Control - Integrated Framework* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in 2013. The Corporation's management is responsible for these financial statements, 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 Management's Report on Internal Control over Financial Reporting. Our responsibility is to express opinions on these financial statements and on the Corporation's internal control over financial reporting based on our integrated 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 audits to obtain reasonable assurance about whether the financial statements are free of material misstatement and whether effective internal control over financial reporting was maintained in all material respects. Our audits of the financial statements included examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our audit of internal control over financial reporting 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 audits also included performing such other procedures as we considered necessary in the circumstances. We believe that our audits provide a reasonable basis for our opinions.

As disclosed in Notes 9, 11, and 12 to the consolidated financial statements, the Corporation changed the classification and presentation of debt issuance costs and deferred income taxes, and the leveling classification of pension assets in 2015.

A corporation'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 corporation's internal control over financial reporting includes those policies and procedures that (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the corporation; (ii) 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 corporation are being made only in accordance with authorizations of management and directors of the corporation; and (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the corporation'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.

/s/ PricewaterhouseCoopers LLP

Hartford, Connecticut
February 11, 2016

Consolidated Statement of Operations

(dollars in millions, except per share amounts; shares in millions)

	2015	2014	2013
Net Sales:			
Product sales	\$ 39,801	\$ 41,545	\$ 40,500
Service sales	16,297	16,355	16,100
	56,098	57,900	56,600
Costs and Expenses:			
Cost of products sold	29,771	30,367	30,051
Cost of services sold	10,660	10,531	10,417
Research and development	2,279	2,475	2,342
Selling, general and administrative	5,886	6,172	6,364
	48,596	49,545	49,174
Other (expense) income, net	(211)	1,238	1,123
Operating profit	7,291	9,593	8,549
Interest expense, net	824	881	895
Income from continuing operations before income taxes	6,467	8,712	7,654
Income tax expense	2,111	2,244	1,999
Net income from continuing operations	4,356	6,468	5,655
Less: Noncontrolling interest in subsidiaries' earnings from continuing operations	360	402	390
Income from continuing operations attributable to common shareowners	3,996	6,066	5,265
Discontinued operations (Note 3):			
Income from operations	252	175	721
Gain (loss) on disposal	6,042	—	(33)
Income tax expense	(2,684)	(20)	(234)
Net income from discontinued operations	3,610	155	454
Less: Noncontrolling interest in subsidiaries' earnings (loss) from discontinued operations	(2)	1	(2)
Income from discontinued operations attributable to common shareowners	3,612	154	456
Net income attributable to common shareowners	\$ 7,608	\$ 6,220	\$ 5,721
Earnings Per Share of Common Stock—Basic:			
Net income from continuing operations attributable to common shareowners	\$ 4.58	\$ 6.75	\$ 5.84
Net income attributable to common shareowners	\$ 8.72	\$ 6.92	\$ 6.35
Earnings Per Share of Common Stock—Diluted:			
Net income from continuing operations attributable to common shareowners	\$ 4.53	\$ 6.65	\$ 5.75
Net income attributable to common shareowners	\$ 8.61	\$ 6.82	\$ 6.25
Dividends Per Share of Common Stock	\$ 2.560	\$ 2.360	\$ 2.195
Weighted average number of shares outstanding:			
Basic shares	872.7	898.3	901.0
Diluted shares	883.2	911.6	915.1

See accompanying Notes to Consolidated Financial Statements

Consolidated Statement of Comprehensive Income

<i>(dollars in millions)</i>	2015	2014	2013
Net income from continuing operations	\$ 4,356	\$ 6,468	\$ 5,655
Net income from discontinued operations	3,610	155	454
Net income	<u>7,966</u>	<u>6,623</u>	<u>6,109</u>
Other comprehensive (loss) income, net of tax			
Foreign currency translation adjustments			
Foreign currency translation adjustments arising during period	(1,502)	(1,302)	(523)
Reclassification adjustments from sale of an investment in a foreign entity recognized in net income	42	7	25
	<u>(1,460)</u>	<u>(1,295)</u>	<u>(498)</u>
Pension and post-retirement benefit plans			
Net actuarial (loss) gain arising during period	(284)	(4,362)	3,987
Prior service cost arising during period	(37)	(5)	(225)
Other	326	121	50
Amortization of actuarial loss and prior service cost	867	416	906
	<u>872</u>	<u>(3,830)</u>	<u>4,718</u>
Tax (expense) benefit	(298)	1,388	(1,735)
	<u>574</u>	<u>(2,442)</u>	<u>2,983</u>
Unrealized (loss) gain on available-for-sale securities			
Unrealized holding gain arising during period	28	35	332
Reclassification adjustments for gain included in Other income, net	(54)	(20)	(91)
	<u>(26)</u>	<u>15</u>	<u>241</u>
Tax benefit (expense)	11	(3)	(90)
	<u>(15)</u>	<u>12</u>	<u>151</u>
Change in unrealized cash flow hedging			
Unrealized cash flow hedging loss arising during period	(415)	(263)	(134)
Loss reclassified into Product sales	234	96	25
Gain reclassified into Other income, net	—	—	(2)
	<u>(181)</u>	<u>(167)</u>	<u>(111)</u>
Tax benefit	51	37	29
	<u>(130)</u>	<u>(130)</u>	<u>(82)</u>
Other comprehensive (loss) income, net of tax	<u>(1,031)</u>	<u>(3,855)</u>	<u>2,554</u>
Comprehensive income	<u>6,935</u>	<u>2,768</u>	<u>8,663</u>
Less: comprehensive income attributable to noncontrolling interest	(285)	(329)	(374)
Comprehensive income attributable to common shareowners	<u>\$ 6,650</u>	<u>\$ 2,439</u>	<u>\$ 8,289</u>

See accompanying Notes to Consolidated Financial Statements

Consolidated Balance Sheet

(dollars in millions, except per share amounts; shares in thousands)

	2015	2014
Assets		
Cash and cash equivalents	\$ 7,075	\$ 5,229
Accounts receivable (net of allowance for doubtful accounts of \$504 and \$477)	10,653	10,448
Inventories and contracts in progress, net	8,135	7,642
Future income tax benefits, current	—	1,923
Assets held for sale	—	4,868
Other assets, current	843	1,373
Total Current Assets	<u>26,706</u>	<u>31,483</u>
Customer financing assets	1,018	958
Future income tax benefits	1,961	1,491
Fixed assets, net	8,732	8,592
Goodwill	27,301	27,448
Intangible assets, net	15,603	15,528
Other assets	6,163	5,706
Total Assets	<u>\$ 87,484</u>	<u>\$ 91,206</u>
Liabilities and Equity		
Short-term borrowings	\$ 926	\$ 126
Accounts payable	6,875	6,250
Accrued liabilities	14,638	12,527
Liabilities held for sale	—	2,781
Long-term debt currently due	179	1,791
Total Current Liabilities	<u>22,618</u>	<u>23,475</u>
Long-term debt	19,320	17,784
Future pension and postretirement benefit obligations	6,022	6,681
Other long-term liabilities	10,558	10,562
Total Liabilities	<u>58,518</u>	<u>58,502</u>
Commitments and contingent liabilities (Notes 5 and 17)		
Redeemable noncontrolling interest	122	140
Shareowners' Equity:		
Capital Stock:		
Preferred Stock, \$1 par value; 250,000 shares authorized; None issued or outstanding	—	—
Common Stock, \$1 par value; 4,000,000 shares authorized; 1,438,497 and 1,423,684 shares issued	16,033	15,300
Treasury Stock— 600,153 and 514,309 common shares at average cost	(30,907)	(21,922)
Retained earnings	49,956	44,611
Unearned ESOP shares	(105)	(115)
Total Accumulated other comprehensive loss	(7,619)	(6,661)
Total Shareowners' Equity	<u>27,358</u>	<u>31,213</u>
Noncontrolling interest	1,486	1,351
Total Equity	<u>28,844</u>	<u>32,564</u>
Total Liabilities and Equity	<u>\$ 87,484</u>	<u>\$ 91,206</u>

See accompanying Notes to Consolidated Financial Statements

Consolidated Statement of Cash Flows

<i>(dollars in millions)</i>	2015	2014	2013
Operating Activities of Continuing Operations:			
Income from continuing operations	\$ 4,356	\$ 6,468	\$ 5,655
Adjustments to reconcile income from continuing operations to net cash flows provided by operating activities of continuing operations:			
Depreciation and amortization	1,863	1,820	1,735
Deferred income tax provision	662	403	268
Stock compensation cost	158	219	250
Canadian government settlement	867	—	—
Change in:			
Accounts receivable	(438)	111	(476)
Inventories and contracts in progress	(844)	(636)	(465)
Other current assets	(55)	(115)	72
Accounts payable and accrued liabilities	490	(89)	1,023
Global pension contributions	(147)	(517)	(108)
Other operating activities, net	(214)	(670)	(640)
Net cash flows provided by operating activities of continuing operations	<u>6,698</u>	<u>6,994</u>	<u>7,314</u>
Investing Activities of Continuing Operations:			
Capital expenditures	(1,652)	(1,594)	(1,569)
Increase in customer financing assets	(286)	(202)	(242)
Decrease in customer financing assets	117	331	108
Investments in businesses	(538)	(402)	(151)
Dispositions of businesses	200	344	1,560
Increase in collaboration intangible assets	(437)	(593)	(722)
Receipts (disbursements) from settlements of derivative contracts	160	93	(323)
Other investing activities, net	(91)	(169)	16
Net cash flows used in investing activities of continuing operations	<u>(2,527)</u>	<u>(2,192)</u>	<u>(1,323)</u>
Financing Activities of Continuing Operations:			
Issuance of long-term debt	1,744	98	89
Repayment of long-term debt	(1,764)	(304)	(2,864)
Increase (decrease) in short-term borrowings, net	795	(346)	(113)
Proceeds from Common Stock issuance - equity unit settlement	1,100	—	—
Proceeds from Common Stock issued under employee stock plans	41	187	378
Dividends paid on Common Stock	(2,184)	(2,048)	(1,908)
Repurchase of Common Stock	(10,000)	(1,500)	(1,200)
Other financing activities, net	(508)	(334)	(313)
Net cash flows used in financing activities of continuing operations	<u>(10,776)</u>	<u>(4,247)</u>	<u>(5,931)</u>
Discontinued Operations:			
Net cash (used in) provided by operating activities	(372)	342	(437)
Net cash provided by (used in) investing activities	9,000	(113)	210
Net cash used in financing activities	(9)	(12)	(9)
Net cash flows provided by (used in) discontinued operations	<u>8,619</u>	<u>217</u>	<u>(236)</u>
Effect of foreign exchange rate changes on cash and cash equivalents	(174)	(156)	(41)
Net increase (decrease) in cash and cash equivalents	<u>1,840</u>	<u>616</u>	<u>(217)</u>
Cash and cash equivalents, beginning of year	5,235	4,619	4,836
Cash and cash equivalents, end of year	7,075	5,235	4,619
Less: Cash and cash equivalents of businesses held for sale	—	6	12
Cash and cash equivalents of continuing operations, end of year	<u>\$ 7,075</u>	<u>\$ 5,229</u>	<u>\$ 4,607</u>
Supplemental Disclosure of Cash Flow Information:			
Interest paid, net of amounts capitalized	\$ 1,057	\$ 1,076	\$ 1,045
Income taxes paid, net of refunds	\$ 2,060	\$ 2,024	\$ 2,789
Noncash investing and financing activities include:			

Contributions of UTC Common Stock to domestic defined benefit pension plans

\$ 250 \$ — \$ —

See accompanying Notes to Consolidated Financial Statements

Consolidated Statement of Changes in Equity

(dollars in millions)

	Common Stock
Balance at December 31, 2012	\$ 13,976
Comprehensive income (loss):	
Net income	
Redeemable noncontrolling interest in subsidiaries' earnings	
Other comprehensive income (loss), net of tax	
Common Stock issued under employee plans (10.4 million shares), net of tax benefit of \$115	837
Common Stock repurchased (12.6 million shares)	
Dividends on Common Stock	
Dividends on ESOP Common Stock	
Dividends attributable to noncontrolling interest	
Purchase of subsidiary shares from noncontrolling interest	(49)
Sale of subsidiary shares in noncontrolling interest	
Disposition of noncontrolling interest	
Redeemable noncontrolling interest reclassification to noncontrolling interest	
Other	
Balance at December 31, 2013	\$ 14,764
Comprehensive income (loss):	
Net income	
Redeemable noncontrolling interest in subsidiaries' earnings	
Other comprehensive income (loss), net of tax	
Common Stock issued under employee plans (6.2 million shares), net of tax benefit of \$103	607
Common Stock repurchased (13.5 million shares)	
Dividends on Common Stock	
Dividends on ESOP Common Stock	
Dividends attributable to noncontrolling interest	
Purchase of subsidiary shares from noncontrolling interest	(75)
Sale of subsidiary shares in noncontrolling interest	4
Redeemable noncontrolling interest reclassification to noncontrolling interest	
Other	
Balance at December 31, 2014	\$ 15,300
Comprehensive income (loss):	
Net income	
Redeemable noncontrolling interest in subsidiaries' earnings	
Other comprehensive income (loss), net of tax	
Common Stock issued - equity unit settlement (11.3 million shares)	1,100
Common Stock issued under employee plans (3.7 million shares), net of tax benefit of \$64	379
Common Stock contributed to defined benefit pension plans (2.7 million shares)	112
Common Stock repurchased (88.7 million shares)	(870)
Dividends on Common Stock	
Dividends on ESOP Common Stock	
Dividends attributable to noncontrolling interest	
Purchase of subsidiary shares from noncontrolling interest	(12)
Sale of subsidiary shares in noncontrolling interest	24
Acquisition of noncontrolling interest	
Disposition of noncontrolling interest	
Redeemable noncontrolling interest fair value adjustment	

Balance at December 31, 2015

\$ 16,033

See accompanying Notes to Consolidated Financial Statements

Shareowners' Equity

Treasury Stock	Retained Earnings	Unearned ESOP Shares	Accumulated Other Comprehensive (Loss) Income	Noncontrolling Interest	Total Equity	Redeemable Noncontrolling Interest
\$ (19,251)	\$ 36,776	\$ (139)	\$ (5,448)	\$ 1,155	\$ 27,069	\$ 238
	5,721			388	6,109	
				(5)	(5)	5
			2,568	(5)	2,563	(9)
20	19	13			889	
(1,200)					(1,200)	
	(1,908)				(1,908)	
	(69)				(69)	
				(355)	(355)	(5)
				(67)	(116)	(3)
				243	243	
				(7)	(7)	(82)
				17	17	(17)
				(11)	(11)	(16)
\$ (20,431)	\$ 40,539	\$ (126)	\$ (2,880)	\$ 1,353	\$ 33,219	\$ 111
	6,220			403	6,623	
				(9)	(9)	9
			(3,781)	(67)	(3,848)	(7)
9	(29)	11			598	
(1,500)					(1,500)	
	(2,048)				(2,048)	
	(71)				(71)	
				(318)	(318)	(3)
				(18)	(93)	
				11	15	
				(16)	(16)	16
				12	12	14
\$ (21,922)	\$ 44,611	\$ (115)	\$ (6,661)	\$ 1,351	\$ 32,564	\$ 140
	7,608			358	7,966	
				(4)	(4)	4
			(958)	(61)	(1,019)	(12)
					1,100	
7	(2)	10			394	
138					250	
(9,130)					(10,000)	
	(2,184)				(2,184)	
	(75)				(75)	
				(337)	(337)	(3)
				(5)	(17)	(9)
				15	39	
				173	173	
				(4)	(4)	
	(2)				(2)	2
\$ (30,907)	\$ 49,956	\$ (105)	\$ (7,619)	\$ 1,486	\$ 28,844	\$ 122

Notes to Consolidated Financial Statements

NOTE 1: SUMMARY OF ACCOUNTING PRINCIPLES

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses. Actual results could differ from those estimates. Certain reclassifications have been made to the prior year amounts to conform to the current year presentation.

On November 6, 2015, we completed the sale of Sikorsky to Lockheed Martin Corp. Accordingly, the results of operations and the related cash flows of Sikorsky have been reclassified to Discontinued Operations in our Consolidated Statements of Operations, Comprehensive Income and Cash Flows for all periods presented. The assets and liabilities of Sikorsky have been reclassified to Assets held for sale and Liabilities held for sale, respectively, in our Consolidated Balance Sheet as of December 31, 2014. Cash flows from the operation of Sikorsky are included in our results through the date of sale to Lockheed Martin Corp. See Note 3 for further discussion.

Consolidation. The Consolidated Financial Statements include the accounts of United Technologies Corporation (UTC) and its controlled subsidiaries. Intercompany transactions have been eliminated.

Cash and Cash Equivalents. Cash and cash equivalents includes cash on hand, demand deposits and short-term cash investments that are highly liquid in nature and have original maturities of three months or less.

On occasion, we are required to maintain cash deposits with certain banks with respect to contractual obligations related to acquisitions or divestitures or other legal obligations. As of December 31, 2015 and 2014, the amount of such restricted cash was approximately \$45 million and \$255 million, respectively.

Accounts Receivable. Current and long-term accounts receivable as of December 31, 2015 include retainage of \$141 million and unbilled receivables of \$2,318 million, which includes approximately \$1,091 million of unbilled receivables under commercial aerospace long-term aftermarket contracts. Current and long-term accounts receivable as of December 31, 2014 include retainage of \$147 million and unbilled receivables of \$1,863 million, which includes approximately \$819 million of unbilled receivables under commercial aerospace long-term aftermarket contracts. See Note 5 for discussion of commercial aerospace industry assets and commitments.

Retainage represents amounts that, pursuant to the applicable contract, are not due until project completion and acceptance by the customer. Unbilled receivables represent revenues that are not currently billable to the customer under the terms of the contract. These items are expected to be billed and collected in the normal course of business.

Marketable Equity Securities. Equity securities that have a readily determinable fair value and that we do not intend to trade are classified as available-for-sale and carried at fair value. Unrealized holding gains and losses are recorded as a separate component of shareowners' equity, net of deferred income taxes.

Inventories and Contracts in Progress. Inventories and contracts in progress are stated at the lower of cost or estimated realizable value and are primarily based on first-in, first-out (FIFO) or average cost methods; however, certain UTC Aerospace Systems and UTC Climate, Controls & Security entities use the last-in, first-out (LIFO) method. If inventories that were valued using the LIFO method had been valued under the FIFO method, they would have been higher by \$127 million and \$130 million at December 31, 2015 and 2014, respectively.

Costs accumulated against specific contracts or orders are at actual cost. Valuation reserves for excess, obsolete, and slow-moving inventory are estimated by comparing the inventory levels of individual parts to both future sales forecasts or production requirements and historical usage rates in order to identify inventory where the resale value or replacement value is less than inventoriable cost. Other factors that management considers in determining the adequacy of these reserves include whether individual inventory parts meet current specifications and cannot be substituted for a part currently being sold or used as a service part, overall market conditions, and other inventory management initiatives. Manufacturing costs are allocated to current production and firm contracts.

Equity Method Investments. Investments in which we have the ability to exercise significant influence, but do not control, are accounted for under the equity method of accounting and are included in Other assets on the Consolidated Balance Sheet. Under this method of accounting, our share of the net earnings or losses of the investee is included in Other income, net on the Consolidated Statement of Operations since the activities of the investee are closely aligned with the operations of the business segment holding the investment. We evaluate our equity method investments whenever events or changes in circumstance indicate that the carrying amounts of such investments may be impaired. If a decline in the value of an equity method investment is determined to be other than temporary, a loss is recorded in earnings in the current period.

Goodwill and Intangible Assets. Goodwill represents costs in excess of fair values assigned to the underlying net assets of acquired businesses. Goodwill and intangible assets deemed to have indefinite lives are not amortized. Goodwill and indefinite-lived intangible assets are subject to annual impairment testing using the guidance and criteria described in the Intangibles - Goodwill and Other Topic of the FASB ASC. This testing compares carrying values to fair values and, when appropriate, the carrying value of these assets is reduced to fair value.

Intangible assets consist of service portfolios, patents, trademarks/tradenames, customer relationships and other intangible assets including a collaboration asset established in connection with the restructuring of participants' interests in IAE as discussed further in Note 2. Acquired intangible assets are recognized at fair value in purchase accounting and then amortized to cost of sales and selling, general & administrative expenses over the applicable useful lives. Also included within other intangible assets are commercial aerospace payments made to secure certain contractual rights to provide product on new aircraft platforms. Consideration paid on these contractual commitments is capitalized when it is no longer conditional.

Useful lives of finite-lived intangible assets are estimated based upon the nature of the intangible asset and the industry in which the intangible asset is used. These intangible assets are amortized based on the pattern in which the economic benefits of the intangible assets are consumed. For both our commercial aerospace collaboration assets and exclusivity arrangements, the pattern of economic benefit generally results in lower amortization during the development period with increasing amortization as programs enter full rate production and aftermarket cycles. If a pattern of economic benefit cannot be reliably determined, a straight-line amortization method is used. The range of estimated useful lives is as follows:

Collaboration assets	30 years
Customer relationships and related programs	1 to 40 years
Purchased service contracts	5 to 25 years
Patents & trademarks	4 to 40 years
Exclusivity assets	5 to 25 years

Other Long-Lived Assets. We evaluate the potential impairment of other long-lived assets when appropriate. If the carrying value of other long-lived assets held and used exceeds the sum of the undiscounted expected future cash flows, the carrying value is written down to fair value.

Long-Term Financing Receivables. Our long-term financing receivables primarily represent balances related to the aerospace businesses such as long-term trade accounts receivable, leases, and notes receivable. We also have other long-term receivables in our commercial businesses; however, both the individual and aggregate amounts of those other receivables are not significant.

Long-term trade accounts receivable, including unbilled receivables related to long-term aftermarket contracts, are principally amounts arising from the sale of goods and services with a contractual maturity date or realization period of greater than one year and are recognized as "Other assets" in our Consolidated Balance Sheet. Notes and leases receivable represent notes and lease receivables other than receivables related to operating leases, and are recognized as "Customer financing assets" in our Consolidated Balance Sheet. The following table summarizes the balance by class of aerospace business-related long-term receivables as of December 31, 2015 and 2014 :

<i>(dollars in millions)</i>	2015	2014
Long-term trade accounts receivable	\$ 903	\$ 651
Notes and leases receivable	469	381
Total long-term receivables	\$ 1,372	\$ 1,032

We determine a receivable is impaired when, based on current information and events, it is probable that we will be unable to collect amounts due according to the contractual terms of the receivable agreement. Factors considered in assessing collectability and risk include, but are not limited to, examination of credit quality indicators and other evaluation measures, underlying value of any collateral or security interests, significant past due balances, historical losses, and existing economic conditions.

We determine credit ratings for each customer in our portfolio based upon public information and information obtained directly from our customers. We conduct a review of customer credit ratings, published historical credit default rates for different rating categories, and multiple third party aircraft value publications as a basis to validate the reasonableness of the allowance for losses on these balances quarterly or when events and circumstances warrant. Customer credit ratings range from an extremely strong capacity to meet financial obligations, to customers whose uncollateralized receivable is in default. There can be no assurance that actual results will not differ from estimates or that consideration of these factors in the future will not

result in an increase or decrease to the allowance for credit losses on long-term receivables. Based upon the customer credit ratings, approximately 13% and 9% of our long-term receivables were considered to bear high credit risk as of December 31, 2015 and 2014, respectively. See Note 5 for further discussion of commercial aerospace industry assets and commitments.

Reserves for credit losses on receivables relate to specifically identified receivables that are evaluated individually for impairment. For notes and leases receivable, we determine a specific reserve for exposure based on the difference between the carrying value of the receivable and the estimated fair value of the related collateral in connection with the evaluation of credit risk and collectability. For long-term trade accounts receivable, we evaluate credit risk and collectability individually to determine if an allowance is necessary. Our long-term receivables reflected in the table above, which include reserves of \$18 million and \$10 million as of December 31, 2015 and 2014, respectively, are individually evaluated for impairment. At both December 31, 2015 and 2014, we did not have any significant balances that are considered to be delinquent, on non-accrual status, past due 90 days or more, or considered to be impaired.

Income Taxes. In the ordinary course of business there is inherent uncertainty in quantifying our income tax positions. We assess our income tax positions and record tax benefits for all years subject to examination based upon management's evaluation of the facts, circumstances, and information available at the reporting date. For those tax positions where it is more-likely-than-not that a tax benefit will be sustained, we have recorded the largest amount of tax benefit with a greater than 50% likelihood of being realized upon ultimate settlement with a taxing authority that has full knowledge of all relevant information. For those income tax positions where it is not more-likely-than-not that a tax benefit will be sustained, no tax benefit has been recognized in the financial statements. Where applicable, associated interest expense has also been recognized. We recognize accrued interest related to unrecognized tax benefits in interest expense. Penalties, if incurred, would be recognized as a component of income tax expense.

In November 2015, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2015-17, *Income Taxes: Balance Sheet Classification of Deferred Taxes*. This ASU eliminates the requirement to present deferred tax assets and liabilities as current and noncurrent on the balance sheet. Instead, all deferred tax assets and liabilities are now classified as noncurrent. ASU 2015-17 is effective for fiscal years beginning after December 15, 2016 with early adoption permitted. We have elected to prospectively adopt ASU 2015-17 as of December 31, 2015. See Note 11 for further information.

Revenue Recognition. As a result of our diverse product and service mix and customer base, we use multiple revenue recognition practices. We recognize sales for products and services in accordance with the provisions of Staff Accounting Bulletin (SAB) Topic 13, Revenue Recognition, as applicable. Products and services included within the scope of this SAB Topic include heating, ventilating, air-conditioning and refrigeration systems, certain alarm and fire detection and suppression systems, commercially funded research and development contracts and certain aerospace components. Sales within the scope of this SAB Topic are recognized when persuasive evidence of an arrangement exists, product delivery has occurred or services have been rendered, pricing is fixed or determinable and collectability is reasonably assured. Subsequent changes in service contracts are accounted for prospectively.

Contract Accounting and Separately Priced Maintenance and Extended Warranty Aftermarket Contracts: For our construction-type and certain production-type contracts, sales are recognized on a percentage-of-completion basis following contract accounting methods. Contracts consist of enforceable agreements which form the basis of our unit of accounting for measuring sales, accumulating costs and recording loss provisions as necessary. Contract accounting requires estimates of award fees and other sources of variable consideration as well as future costs over the performance period of the contract. Cost estimates also include the estimated cost of satisfying our offset obligations required under certain contracts. Cost estimates are subject to change and result in adjustments to margins on contracts in progress. The extent of progress toward completion on our long-term commercial aerospace equipment is measured using units of delivery or other contractual milestones. The extent of progress towards completion on our development and other cost reimbursement contracts in our aerospace businesses and elevator and escalator sales, installation, modernization and other construction contracts in our commercial businesses is measured using cost-to-cost based input measures. Contract costs include estimated inventoriable manufacturing, engineering, product warranty and product performance guarantee costs, as appropriate.

For separately priced product maintenance and extended warranty aftermarket contracts, sales are recognized over the contract period. In the commercial businesses, sales are primarily recognized on a straight-line basis. In the aerospace businesses, sales are primarily recognized in proportion to cost as sufficient historical evidence indicates that costs of performing services under the contract are incurred on an other than straight-line basis.

Loss provisions on original equipment contracts are recognized to the extent estimated contract costs exceed the estimated consideration from the products contemplated under the contractual arrangement. For new commitments, we generally record loss provisions at the earlier of contract announcement or contract signing except for certain requirements contracts under which losses are recorded upon receipt of the purchase order which obligates us to perform. For existing

commitments, anticipated losses on contracts are recognized in the period in which losses become evident. Products contemplated under contractual arrangements include firm quantities of products sold under contract and, in the large commercial engine and wheels and brakes businesses, future highly probable sales of replacement parts required by regulation that are expected to be sold subsequently for incorporation into the original equipment. In the large commercial engine and wheels and brakes businesses, when the combined original equipment and aftermarket arrangements for each individual sales campaign are profitable, we record original equipment product losses, as applicable, at the time of delivery.

We review our cost estimates on significant contracts on a quarterly basis, and for others, no less frequently than annually or when circumstances change and warrant a modification to a previous estimate. We record changes in contract estimates using the cumulative catch-up method in accordance with the Revenue Recognition Topic of the FASB ASC. Operating profits included significant net favorable changes in aerospace contract estimates of approximately \$115 million in 2015 driven by several net favorable contract adjustments recorded throughout the year, largely at the Pratt & Whitney segment.

Collaborations: Sales generated from engine programs, spare parts sales, and aftermarket business under collaboration arrangements are recorded consistent with our revenue recognition policies in our consolidated financial statements. Amounts attributable to our collaborators for their share of sales are recorded as cost of sales in our financial statements based upon the terms and nature of the arrangement. Costs associated with engine programs under collaborative arrangements are expensed as incurred. Under these arrangements, collaborators contribute their program share of engine parts, incur their own production costs and make certain payments to Pratt & Whitney for shared or joint program costs. The reimbursement of a collaborator's share of program costs is recorded as a reduction of the related expense item at that time.

Cash Payments to Customers: UTC Climate, Controls & Security customarily offers its customers incentives to purchase products to ensure an adequate supply of its products in the distribution channels. The principal incentive program provides reimbursements to distributors for offering promotional pricing for our products. We account for incentive payments made as a reduction in sales. In our aerospace businesses, we may make participation payments to certain customers to secure certain contractual rights. To the extent these rights are incremental and are supported by the incremental cash flows obtained, they are capitalized as intangible assets. Otherwise, such payments are expensed. We classify the subsequent amortization of the capitalized acquired intangible assets from our customers as a reduction in sales. Contractually stated prices in arrangements with our customers that include the acquisition of intangible rights within the scope of the Intangibles - Goodwill and Other Topic of the FASB ASC and deliverables within the scope of the Revenue Recognition Topic of the FASB ASC are not presumed to be representative of fair value for determining the amounts to allocate to each element of an arrangement.

New Revenue Recognition Standard: In May 2014, the FASB issued ASU No. 2014-09, *Revenue from Contracts with Customers*. On August 12, 2015, the FASB issued ASU 2015-14, *Revenue from Contracts with Customers (Topic 606): Deferral of the Effective Date*, which delays the effective date of ASU 2014-09 by one year. The new standard is effective for reporting periods beginning after December 15, 2017, and interim periods therein, using either of the following transition methods: (i) a full retrospective adoption reflecting the application of the standard in each prior reporting period, or (ii) a modified retrospective approach with the cumulative effect of initially adopting ASU 2014-09 recognized through retained earnings at the date of adoption. Early adoption is permitted for reporting periods beginning after December 15, 2016. We are in the process of evaluating the potential revenue implications of the standard change, which may result in changes to our revenue recognition practices; the elimination of the units-of-delivery method for certain U.S. Government programs; and the elimination of the completed contract method of accounting.

Research and Development. Research and development costs not specifically covered by contracts and those related to the company sponsored share of research and development activity in connection with cost-sharing arrangements are charged to expense as incurred. Government research and development support, not associated with specific contracts, is recorded as a reduction to research and development expense in the period earned. See Note 8 for a discussion of amendments of certain government research and development support arrangements concluded in December 2015 between Pratt & Whitney Canada and the Canadian government.

Research and development costs incurred under contracts with customers are included as a contract cost and reported as a component of cost of products sold when revenue from such contracts is recognized. Research and development costs in excess of contractual consideration is expensed as incurred.

Foreign Exchange. We conduct business in many different currencies and, accordingly, are subject to the inherent risks associated with foreign exchange rate movements. The financial position and results of operations of substantially all of our foreign subsidiaries are measured using the local currency as the functional currency. Foreign currency denominated assets and liabilities are translated into U.S. Dollars at the exchange rates existing at the respective balance sheet dates, and income and expense items are translated at the average exchange rates during the respective periods. The aggregate effects of translating the balance sheets of these subsidiaries are deferred as a separate component of shareholders' equity.

Derivatives and Hedging Activity. We have used derivative instruments, including swaps, forward contracts and options, to help manage certain foreign currency, interest rate and commodity price exposures. Derivative instruments are viewed as risk management tools by us and are not used for trading or speculative purposes. By their nature, all financial instruments involve market and credit risks. We enter into derivative and other financial instruments with major investment grade financial institutions and have policies to monitor the credit risk of those counterparties. We limit counterparty exposure and concentration of risk by diversifying counterparties. While there can be no assurance, we do not anticipate any material non-performance by any of these counterparties. We enter into transactions that are subject to enforceable master netting arrangements or other similar agreements with various counterparties. However, we have not elected to offset multiple contracts with a single counterparty and, as a result, the fair value of the derivative instruments in a loss position is not offset against the fair value of derivative instruments in a gain position.

Derivatives used for hedging purposes may be designated and effective as a hedge of the identified risk exposure at the inception of the contract. All derivative instruments are recorded on the balance sheet at fair value. Derivatives used to hedge foreign-currency-denominated balance sheet items are reported directly in earnings along with offsetting transaction gains and losses on the items being hedged. Derivatives used to hedge forecasted cash flows associated with foreign currency commitments or forecasted commodity purchases may be accounted for as cash flow hedges, as deemed appropriate. Gains and losses on derivatives designated as cash flow hedges are recorded in other comprehensive income and reclassified to earnings as a component of product sales or expenses, as applicable, when the hedged transaction occurs. To the extent that a previously designated hedging transaction is no longer an effective hedge, any ineffectiveness measured in the hedging relationship is recorded currently in earnings in the period it occurs. As discussed in Note 14, on May 22, 2015 we issued approximately €750 million of Euro-denominated debt, which qualifies as a net investment hedge against our investments in European businesses.

To the extent the hedge accounting criteria are not met, the foreign currency forward contracts are utilized as economic hedges and changes in the fair value of these contracts are recorded currently in earnings in the period in which they occur. Additional information pertaining to foreign currency forward contracts and net investment hedging is included in Note 14.

Environmental . Environmental investigatory, remediation, operating and maintenance costs are accrued when it is probable that a liability has been incurred and the amount can be reasonably estimated. The most likely cost to be incurred is accrued based on an evaluation of currently available facts with respect to each individual site, including existing technology, current laws and regulations and prior remediation experience. Where no amount within a range of estimates is more likely, the minimum is accrued. For sites with multiple responsible parties, we consider our likely proportionate share of the anticipated remediation costs and the ability of the other parties to fulfill their obligations in establishing a provision for those costs. Liabilities with fixed or reliably determinable future cash payments are discounted. Accrued environmental liabilities are not reduced by potential insurance reimbursements. See Note 17 for additional details on the environmental remediation activities.

Pension and Postretirement Obligations. Guidance under the Compensation - Retirement Benefits Topic of the FASB ASC requires balance sheet recognition of the overfunded or underfunded status of pension and postretirement benefit plans. Under this guidance, actuarial gains and losses, prior service costs or credits, and any remaining transition assets or obligations that have not been recognized under previous accounting standards must be recognized in other comprehensive income, net of tax effects, until they are amortized as a component of net periodic benefit cost.

In May 2015, the FASB issued ASU 2015-07, *Fair Value Measurement (Topic 820): Disclosures for Investments in Certain Entities That Calculate Net Asset Value per Share (or its equivalent)* . This ASU eliminates the requirement to categorize investments within the fair value hierarchy if their fair value is measured using the net asset value (NAV) per share practical expedient. The update is effective for fiscal years beginning after December 15, 2015, with early adoption permitted. We elected to adopt the standard for fiscal year 2015. The adoption of this standard did not have a material effect on the consolidated financial statements.

Product Performance Obligations. We extend performance and operating cost guarantees beyond our normal service and warranty policies for extended periods on some of our products, particularly commercial aircraft engines. Liability under such guarantees is based upon future product performance and durability. We accrue for such costs that are probable and can be reasonably estimated. In addition, we incur discretionary costs to service our products in connection with product performance issues. The costs associated with these product performance and operating cost guarantees require estimates over the full terms of the agreements, and require management to consider factors such as the extent of future maintenance requirements and the future cost of material and labor to perform the services. These cost estimates are largely based upon historical experience. See Note 16 for further discussion.

Collaborative Arrangements. In view of the risks and costs associated with developing new engines, Pratt & Whitney has entered into certain collaboration arrangements in which sales, costs and risks are shared. Sales generated from engine programs, spare parts, and aftermarket business under collaboration arrangements are recorded as earned in our financial statements. Amounts attributable to our collaborators for their share of sales are recorded as an expense in our financial

statements based upon the terms and nature of the arrangement. Costs associated with engine programs under collaborative arrangements are expensed as incurred. Under these arrangements, collaborators contribute their program share of engine parts, incur their own production costs and make certain payments to Pratt & Whitney for shared or joint program costs. The reimbursement of the collaborators' share of program costs is recorded as a reduction of the related expense item at that time. As of December 31, 2015, the collaborators' interests in all commercial engine programs ranged from 14% to 50%, inclusive of a portion of Pratt & Whitney's interests held by other participants. Pratt & Whitney is the principal participant in all existing collaborative arrangements. There are no individually significant collaborative arrangements and none of the collaborators exceed a 31% share in an individual program. The following table illustrates the income statement classification and amounts attributable to transactions arising from the collaborative arrangements between participants for each period presented:

<i>(dollars in millions)</i>	2015	2014	2013
Collaborator share of sales:			
Cost of products sold	\$ 1,547	\$ 1,778	\$ 1,820
Cost of services sold	652	354	273
Collaborator share of program costs (reimbursement of expenses incurred):			
Cost of products sold	(104)	(103)	(127)
Research and development	(248)	(122)	(194)
Selling, general and administrative	(5)	(4)	(5)

NOTE 2: BUSINESS ACQUISITIONS, DISPOSITIONS, GOODWILL AND INTANGIBLE ASSETS

Business Acquisitions and Dispositions. As discussed further in Note 3, on November 6, 2015, we completed the sale of Sikorsky to Lockheed Martin Corp. for \$9,083 million in cash, subject to customary post-closing working capital and net debt adjustments.

Our investments in businesses in 2015, 2014 and 2013 totaled \$556 million (including debt assumed of \$18 million), \$530 million (including debt assumed of \$128 million) and \$151 million, respectively. Our investments in businesses in 2015 consisted of the acquisition of the majority interest in a UTC Climate, Controls & Security business, the acquisition of an imaging technology company by UTC Aerospace Systems, and a number of small acquisitions, primarily in our commercial businesses. Our investments in businesses in 2014 consisted of the acquisition of the majority interest in a Pratt & Whitney joint venture and a number of small acquisitions, primarily in our commercial businesses.

In connection with a portfolio transformation initiative undertaken by UTC Climate, Controls & Security, net gains of approximately \$30 million and \$55 million were recognized in 2014 and 2013, respectively, on various dispositions completed during those years.

In 2013, we completed the sale of the Pratt & Whitney Power Systems business to Mitsubishi Heavy Industries (MHI), and we entered into a long-term engineering and manufacturing agreement with MHI, generating a pre-tax gain of approximately \$193 million (\$132 million after tax). We also completed the acquisition of Grupo Ascensores Enor, S.A. (Enor), a privately held company headquartered in Spain with operations in Spain and Portugal, which designs, manufactures, installs and services elevators. Under the terms of the transaction, Zardoya Otis, S.A. (ZOSA), a non-wholly owned subsidiary of the Company, exchanged publicly traded shares of ZOSA with a fair value of approximately \$240 million as of the transaction completion date for all of the shares of Enor.

In connection with the 2012 Goodrich acquisition, we recorded assumed liabilities of approximately \$2.2 billion related to customer contractual obligations on certain OEM development programs where the expected costs exceeded the expected revenue under contract. These liabilities are being liquidated in accordance with the underlying economic pattern of obligations, as reflected by the net cash outflows incurred on the OEM contracts. Total consumption of the contractual obligations was approximately \$193 million and \$249 million in 2015 and 2014, respectively. Expected consumption of the contractual obligations is as follows: \$252 million in 2016, \$259 million in 2017, \$250 million in 2018, \$219 million in 2019, \$84 million in 2020 and \$351 million thereafter.

In connection with regulatory approval of the Goodrich acquisition, regulatory authorities required UTC to dispose of the Goodrich electric power systems and the Goodrich pumps and engine controls businesses. We completed the sales of these businesses in 2013.

In 2012, Pratt & Whitney, Rolls-Royce plc (Rolls-Royce), MTU Aero Engines AG and Japanese Aero Engines Corporation, participants in the IAE International Aero Engines AG (IAE) collaboration, completed a restructuring of their

interests in IAE. As a result of this transaction, Pratt & Whitney holds a 61% net interest in the collaboration and a 49.5% ownership interest in IAE. IAE's business purpose is to coordinate the design, development, manufacturing and product support of the V2500 program through involvement with the collaborators. IAE retains limited equity with the primary economics of the V2500 program passed to the participants in the separate collaboration arrangement. As such, we have determined that IAE is a variable interest entity with Pratt & Whitney its primary beneficiary, and IAE has, therefore, been consolidated. The carrying amounts and classification of assets and liabilities for IAE in our Consolidated Balance Sheet as of December 31, 2015 and 2014 are as follows:

<i>(dollars in millions)</i>	2015	2014
Current assets	\$ 1,920	\$ 1,820
Noncurrent assets	1,102	756
Total assets	<u>\$ 3,022</u>	<u>\$ 2,576</u>
Current liabilities	\$ 1,931	\$ 1,795
Noncurrent liabilities	1,355	1,227
Total liabilities	<u>\$ 3,286</u>	<u>\$ 3,022</u>

Goodwill. The changes in the carrying amount of goodwill, by segment, in 2015 are as follows:

<i>(dollars in millions)</i>	Balance as of January 1, 2015	Goodwill resulting from business combinations	Foreign currency translation and other	Balance as of December 31, 2015
Otis	\$ 1,664	\$ 31	\$ (129)	\$ 1,566
UTC Climate, Controls & Security	9,408	397	(347)	9,458
Pratt & Whitney	1,481	36	(2)	1,515
UTC Aerospace Systems	14,892	49	(182)	14,759
Total Segments	<u>27,445</u>	<u>513</u>	<u>(660)</u>	<u>27,298</u>
Eliminations and other	3	—	—	3
Total	<u>\$ 27,448</u>	<u>\$ 513</u>	<u>\$ (660)</u>	<u>\$ 27,301</u>

Intangible Assets. Identifiable intangible assets are comprised of the following:

<i>(dollars in millions)</i>	2015		2014	
	Gross Amount	Accumulated Amortization	Gross Amount	Accumulated Amortization
Amortized:				
Service portfolios	\$ 1,977	\$ (1,307)	\$ 2,103	\$ (1,309)
Patents and trademarks	361	(189)	336	(177)
IAE collaboration	3,336	(86)	2,872	(20)
Customer relationships and other	12,430	(2,988)	12,135	(2,589)
	<u>18,104</u>	<u>(4,570)</u>	17,446	(4,095)
Unamortized:				
Trademarks and other	2,069	—	2,177	—
Total	<u>\$ 20,173</u>	<u>\$ (4,570)</u>	<u>\$ 19,623</u>	<u>\$ (4,095)</u>

Customer relationship intangible assets include payments made to our customers to secure certain contractual rights. We amortize these intangible assets based on the underlying pattern of economic benefit, which may result in an amortization method other than straight-line. We classify amortization of such payments as a reduction of sales. Amortization of intangible assets was \$722 million, \$713 million and \$705 million in 2015, 2014 and 2013, respectively. The IAE collaboration intangible asset is amortized based upon the economic pattern of benefits as represented by the underlying cash flows. Prior to 2014, these cash flows were negative, and, accordingly, no amortization had previously been recorded. The following is the expected amortization of intangible assets for 2016 through 2020, which reflects an increase in expected amortization expense due to the pattern of economic benefit on certain aerospace intangible assets increasing over time:

<i>(dollars in millions)</i>	2016	2017	2018	2019	2020
Amortization expense	\$ 692	\$ 745	\$ 772	\$ 769	\$ 792

NOTE 3: DISCONTINUED OPERATIONS

On November 6, 2015 we completed the sale of Sikorsky to Lockheed Martin Corp. for \$9,083 million in cash, subject to customary post-closing working capital and net debt adjustments. The results of operations and the related cash flows of Sikorsky have been reclassified to Discontinued Operations in our Consolidated Statement of Operations and Consolidated Statement of Cash Flows for all periods presented. The assets and liabilities of Sikorsky have been reclassified to Assets held for sale and Liabilities held for sale, respectively, in our Consolidated Balance Sheet as of December 31, 2014. Cash flows from the operation of Sikorsky are included in our results through the date of sale to Lockheed Martin Corp.

On December 13, 2012, we completed the sale of the legacy Hamilton Sundstrand Industrial businesses. On June 14, 2013 we completed with the sale of Pratt & Whitney Rocketdyne (Rocketdyne), and on February 12, 2013 we completed the sale of UTC Power to ClearEdge Power. We have no continuing involvement with these businesses post-disposition. Net income from discontinued operations in our Consolidated Statement of Operations for the year ended December 31, 2013 includes income of approximately \$35 million related to these divested businesses. Cash flows from discontinued operations in our Consolidated Statement of Cash Flows for the year ended December 31, 2013 includes cash outflows of approximately \$277 million, primarily related to the proceeds from the sale of Rocketdyne offset by tax payments related to the 2012 sale of the legacy Hamilton Sundstrand Industrial businesses.

The following summarized financial information has been segregated from continuing operations and reported as Discontinued Operations:

<i>(dollars in millions)</i>	2015	2014	2013
Discontinued Operations:			
Net Sales	\$ 4,949	\$ 7,452	\$ 6,564
Cost of Sales	4,152	6,801	5,304
Research and development	150	160	197
Selling, general and administrative	315	328	382
Pension curtailment	110	—	—
Other income, net	(30)	(12)	(40)
Income from operations	252	175	721
Gain (loss) on disposal	6,042	—	(33)
Income tax expense	(2,684)	(20)	(234)
Income from discontinued operations	\$ 3,610	\$ 155	\$ 454

The assets and liabilities held for sale on the Consolidated Balance Sheet as of December 31, 2014 are as follows:

<i>(dollars in millions)</i>	December 31, 2014
Assets:	
Cash and cash equivalents	\$ 6
Accounts receivable, net	869
Inventories and contracts in progress, net	2,223
Other assets, current	45
Fixed assets, net	684
Goodwill	348
Intangible assets, net	32
Other assets	661
Assets held for sale	<u>\$ 4,868</u>
Liabilities:	
Short-term borrowings and long-term debt currently due	\$ 5
Accounts payable	717
Accrued liabilities	1,479
Long-term debt	5
Future pension and postretirement benefit obligations	2
Other long-term liabilities	573
Liabilities held for sale	<u>\$ 2,781</u>

UTC and its business segments have historically had sales to Sikorsky and purchases from Sikorsky, in the normal course of business, which were eliminated in consolidation. Net sales to Sikorsky were \$138 million, \$235 million and \$206 million for the years ended December 31, 2015, 2014 and 2013, respectively. Purchases from Sikorsky included in cost of products and services sold were \$25 million, \$17 million and \$21 million for the years ended December 31, 2015, 2014 and 2013, respectively.

NOTE 4: EARNINGS PER SHARE

<i>(dollars in millions, except per share amounts; shares in millions)</i>	2015	2014	2013
Net income attributable to common shareowners:			
Net income from continuing operations	\$ 3,996	\$ 6,066	\$ 5,265
Net income from discontinued operations	3,612	154	456
Net income attributable to common shareowners	<u>\$ 7,608</u>	<u>\$ 6,220</u>	<u>\$ 5,721</u>
Basic weighted average number of shares outstanding	872.7	898.3	901.0
Stock awards	10.5	13.3	14.1
Diluted weighted average number of shares outstanding	<u>883.2</u>	<u>911.6</u>	<u>915.1</u>
Earnings Per Share of Common Stock—Basic:			
Net income from continuing operations	\$ 4.58	\$ 6.75	\$ 5.84
Net income from discontinued operations	4.14	0.17	0.51
Net income attributable to common shareowners	8.72	6.92	6.35
Earnings Per Share of Common Stock—Diluted:			
Net income from continuing operations	\$ 4.53	\$ 6.65	\$ 5.75
Net income from discontinued operations	4.09	0.17	0.50
Net income attributable to common shareowners	8.61	6.82	6.25

The computation of diluted earnings per share excludes the effect of the potential exercise of stock awards, including stock appreciation rights and stock options, when the average market price of the common stock is lower than the exercise price

of the related stock awards during the period. These outstanding stock awards are not included in the computation of diluted earnings per share because the effect would have been anti-dilutive. For 2015 and 2014 , there were 9.7 million and 3.5 million anti-dilutive stock awards excluded from the computation, respectively. For 2013 , there were no anti-dilutive stock awards excluded from the computation.

NOTE 5: COMMERCIAL AEROSPACE INDUSTRY ASSETS AND COMMITMENTS

We have receivables and other financing assets with commercial aerospace industry customers totaling \$6,143 million and \$5,548 million at December 31, 2015 and 2014 , respectively. These include customer financing assets related to commercial aerospace industry customers, consisting of products under lease of \$537 million and \$564 million , and notes and leases receivable of \$566 million and \$424 million , at December 31, 2015 and 2014 , respectively.

Aircraft financing commitments, in the form of debt, guarantees or lease financing, are provided to commercial aerospace customers. The extent to which the financing commitments will be utilized is not currently known, since customers may be able to obtain more favorable terms from other financing sources. We may also arrange for third-party investors to assume a portion of these commitments. If financing commitments are exercised, debt financing is generally secured by assets with fair market values equal to or exceeding the financed amounts consistent with market terms and conditions. We may also lease aircraft and subsequently sublease the aircraft to customers under long-term non-cancelable operating leases. Lastly, we have made residual value and other guarantees related to various commercial aerospace customer financing arrangements. The estimated fair market values of the guaranteed assets equal or exceed the value of the related guarantees, net of existing reserves.

We also have other contractual commitments, including commitments to secure certain contractual rights to provide product on new aircraft platforms, which are included in "Other commercial aerospace commitments" in the table below. Payments made on these contractual commitments are included in intangible assets and are amortized over the term of underlying economic benefit. Our commercial aerospace financing and other contractual commitments as of December 31, 2015 were approximately \$ 14.6 billion . We have entered into certain collaboration arrangements, which may include participation by our collaboration partners in these commitments.

The following is the expected maturity of commercial aerospace industry assets and commitments as of December 31, 2015 :

<i>(dollars in millions)</i>	Committed	2016	2017	2018	2019	2020	Thereafter
Notes and leases receivable	\$ 566	\$ 97	\$ 102	\$ 26	\$ 40	\$ 34	\$ 267
Commercial aerospace financing commitments	\$ 2,608	\$ 410	\$ 405	\$ 534	\$ 381	\$ 178	\$ 700
Other commercial aerospace commitments	11,985	821	929	896	743	728	7,868
Collaboration partners' share	(4,093)	(344)	(381)	(462)	(302)	(193)	(2,411)
Total commercial commitments	\$ 10,500	\$ 887	\$ 953	\$ 968	\$ 822	\$ 713	\$ 6,157

In 2012, Pratt & Whitney obtained increased ownership and collaboration interests in IAE and an intellectual property license, paying Rolls-Royce \$1.5 billion at closing, with additional payments due to Rolls-Royce contingent upon each hour flown by the V2500-powered aircraft in service as of June 29, 2012 during the fifteen-year period following closing of the purchase. These flight hour payments, included in "Other commercial aerospace commitments" in the table above, are being capitalized as collaboration intangible assets. See Note 2 for further discussion.

Our financing commitments with customers are contingent upon maintenance of certain levels of financial condition by the customers. In addition, we have residual value and other guarantees of \$365 million as of December 31, 2015 .

We have long-term aftermarket maintenance contracts with commercial aerospace industry customers for which revenue is recognized in proportion to actual costs incurred relative to total expected costs to be incurred over the respective contract periods. Billings, however, are typically based on factors such as engine flight hours. The timing differences between the billings and the maintenance costs incurred generates both unbilled receivables and deferred revenues. Unbilled receivables under these long-term aftermarket contracts totaled \$1,091 million and \$819 million at December 31, 2015 and 2014 , respectively, and are included in Accounts receivable and Other assets in the accompanying Consolidated Balance Sheet. Deferred revenues totaled \$3,502 million and \$3,429 million at December 31, 2015 and 2014 , respectively, and are included in Accrued liabilities and Other long-term liabilities in the accompanying Consolidated Balance Sheet.

Reserves related to aerospace receivables and financing assets were \$217 million and \$243 million at December 31, 2015 and 2014 , respectively. Reserves related to financing commitments and guarantees were \$47 million and \$64 million at December 31, 2015 and 2014 , respectively.

NOTE 6: INVENTORIES & CONTRACTS IN PROGRESS

<i>(dollars in millions)</i>	2015	2014
Raw materials	\$ 2,037	\$ 1,948
Work-in-process	2,422	2,093
Finished goods	3,183	2,975
Contracts in progress	8,668	8,189
	16,310	15,205
Less:		
Progress payments, secured by lien, on U.S. Government contracts	(239)	(117)
Billings on contracts in progress	(7,936)	(7,446)
	\$ 8,135	\$ 7,642

Raw materials, work-in-process and finished goods are net of valuation reserves of \$760 million and \$721 million as of December 31, 2015 and 2014 , respectively. Contracts in progress principally relate to elevator and escalator contracts and include costs of manufactured components, accumulated installation costs and estimated earnings on incomplete contracts.

Inventory also includes capitalized contract development costs related to certain aerospace programs at UTC Aerospace Systems. As of December 31, 2015 and 2014 , these capitalized costs were \$152 million and \$141 million , respectively, which will be liquidated as production units are delivered to the customer.

Our sales contracts in many cases are long-term contracts expected to be performed over periods exceeding twelve months. At December 31, 2015 and 2014 , approximately 67% and 65% respectively, of total inventories and contracts in progress have been acquired or manufactured under such long-term contracts, a portion of which is not scheduled for delivery within the next twelve months.

NOTE 7: FIXED ASSETS

<i>(dollars in millions)</i>	Estimated Useful Lives	2015	2014
Land		\$ 384	\$ 392
Buildings and improvements	12-40 years	5,030	5,098
Machinery, tools and equipment	3-20 years	11,717	11,398
Other, including assets under construction		1,363	1,181
		18,494	18,069
Accumulated depreciation		(9,762)	(9,477)
		\$ 8,732	\$ 8,592

Depreciation expense was \$1,068 million in 2015 , \$1,043 million in 2014 and \$971 million in 2013 .

NOTE 8: ACCRUED LIABILITIES

<i>(dollars in millions)</i>	2015	2014
Advances on sales contracts and service billings	\$ 3,952	\$ 4,241
Income taxes payable	2,498	305
Accrued salaries, wages and employee benefits	1,543	1,795
Service and warranty accruals	546	504
Litigation and contract matters	482	496
Interest payable	391	503
Accrued restructuring costs	334	253
Accrued property, sales and use taxes	292	280
Canadian government settlement - current portion	241	—
Accrued workers compensation	212	215
Other	4,147	3,935
	\$ 14,638	\$ 12,527

Income taxes payable as of December 31, 2015 includes taxes payable related to the gain on the sale of Sikorsky, expected to be substantially paid in the first quarter of 2016.

The Canadian government has historically provided research and development support under certain Pratt & Whitney Canada programs, wherein repayment, if any, is made in the form of royalties, conditioned upon the achievement of certain financial targets including specific aircraft engine sales, total aircraft engine sales volume and total year-over-year sales growth of the entity receiving the government funding. On December 30, 2015, Pratt & Whitney Canada and federal and provincial Canadian government agencies entered into amendments of certain government research and development support arrangements. Under the amendments, Pratt & Whitney Canada agreed to make four annual payments of approximately \$327 million Canadian (approximately \$241 million) each, commencing in the first quarter of 2016, to fully settle and terminate Pratt & Whitney Canada's future contractual obligations to pay royalties to these agencies that had previously been contingent upon future engine deliveries and Pratt & Whitney Canada sales; to maintain its commitments to perform certain assembly, test and manufacturing operations in Canada; and to provide support of innovation and research and development through initiatives with post-secondary institutions and key industry associations in Canada over a fourteen year period. As a result of the amendments to these contractual arrangements, Pratt & Whitney recorded a charge and related discounted obligation of \$867 million in the fourth quarter of 2015.

The Canadian government settlement included in the table above represents amounts expected to be paid under this agreement in 2016, with the remaining provision of approximately \$626 million included in Other long-term liabilities in the accompanying Consolidated Balance Sheet as of December 31, 2015.

NOTE 9: BORROWINGS AND LINES OF CREDIT

<i>(dollars in millions)</i>	2015	2014
Short-term borrowings:		
Commercial paper	\$ 727	\$ —
Other borrowings	199	126
Total short-term borrowings	<u>\$ 926</u>	<u>\$ 126</u>

At December 31, 2015, we had revolving credit agreements with various banks permitting aggregate borrowings of up to \$ 4.35 billion pursuant to a \$ 2.20 billion revolving credit agreement and a \$ 2.15 billion multicurrency revolving credit agreement, both of which expire in May 2019. As of December 31, 2015, there were no borrowings under either of these revolving credit agreements. The undrawn portions of these revolving credit agreements are also available to serve as backup facilities for the issuance of commercial paper. As of December 31, 2015, our maximum commercial paper borrowing limit was \$ 4.35 billion. We use our commercial paper borrowings for general corporate purposes, including the funding of potential acquisitions and repurchases of our common stock. The need for commercial paper borrowings arises when the use of domestic cash for acquisitions, dividends, and share repurchases exceeds the sum of domestic cash generation and foreign cash repatriated to the U.S.

The weighted-average interest rates applicable to short-term borrowings outstanding at December 31, 2015 and 2014 were 0.8% and 5.7%, respectively. At December 31, 2015, approximately \$1.4 billion was available under short-term lines of credit with local banks at our various domestic and international subsidiaries.

Long-term debt consisted of the following as of December 31:

<i>(dollars in millions)</i>	2015	2014
LIBOR § plus 0.500% floating rate notes due 2015	\$ —	\$ 500
4.875% notes due 2015	—	1,200
5.375% notes due 2017 ¹	1,000	1,000
1.800% notes due 2017 ¹	1,500	1,500
1.778% junior subordinated notes due 2018	1,100	—
6.800% notes due 2018 ²	99	99
6.125% notes due 2019 ¹	1,250	1,250
8.875% notes due 2019	271	271
4.500% notes due 2020 ¹	1,250	1,250
4.875% notes due 2020 ²	171	171
8.750% notes due 2021	250	250
3.100% notes due 2022 ¹	2,300	2,300
1.550% junior subordinated notes due 2022	—	1,100
1.250% notes due 2023 (€750 million principal value) ³	817	—
7.100% notes due 2027 ²	141	141
6.700% notes due 2028	400	400
7.500% notes due 2029 ¹	550	550
5.400% notes due 2035 ¹	600	600
6.050% notes due 2036 ¹	600	600
6.800% notes due 2036 ²	134	134
7.000% notes due 2038 ²	159	159
6.125% notes due 2038 ¹	1,000	1,000
5.700% notes due 2040 ¹	1,000	1,000
4.500% notes due 2042 ¹	3,500	3,500
4.150% notes due 2045 ⁴	850	—
Project financing obligations	191	147
Other (including capitalized leases) ²	306	368
Total principal long-term debt	<u>19,439</u>	<u>19,490</u>
Other (fair market value adjustments, discounts and debt issuance costs) ²	<u>60</u>	<u>85</u>
Total long-term debt	<u>19,499</u>	<u>19,575</u>
Less: current portion	<u>179</u>	<u>1,791</u>
Long-term debt, net of current portion	<u>\$ 19,320</u>	<u>\$ 17,784</u>

1 We may redeem the above notes, in whole or in part, at our option at any time at a redemption price in U.S. Dollars equal to the greater of 100% of the principal amount of the notes to be redeemed or the sum of the present values of the remaining scheduled payments of principal and interest on the notes to be redeemed, discounted to the redemption date on a semiannual basis at the adjusted treasury rate plus 10-50 basis points. The redemption price will also include interest accrued to the date of redemption on the principal balance of the notes being redeemed.

2 Includes notes and remaining fair market value adjustments that were assumed as a part of the Goodrich acquisition on July 26, 2012.

3 We may redeem these notes, in whole or in part, at our option at any time. If redeemed prior to February 22, 2023, the redemption price in Euro will be equal to the greater of 100% of the principal amount of the notes to be redeemed or the sum of the present values of the remaining scheduled payments of principal and interest on the notes to be redeemed, discounted to the redemption date on an annual basis at a rate based upon a comparable German federal government bond whose maturity is closest to the maturity of the notes plus 15 basis points. In addition, these notes may be redeemed at our option in whole, but not in part, at any time in the event of certain developments affecting U.S. taxation.

4 We may redeem these notes, in whole or in part, at our option at any time. If redeemed prior to November 16, 2044, the redemption price in U.S. Dollars will be equal to the greater of 100% of the principal amount of the notes to be redeemed or the sum of the present values of the remaining scheduled payments of principal and interest on the notes to be redeemed, discounted to the redemption date on a semiannual basis at the adjusted treasury rate plus 25 basis points.

On May 4, 2015, we completed the previously announced optional remarketing of the 1.550% junior subordinated notes, which were originally issued as part of our equity units on June 18, 2012. As a result of the remarketing, these notes were redesignated as our 1.778% junior subordinated notes due May 4, 2018. The 1.778% junior subordinated notes are effectively subordinated to existing or future preferred stock and indebtedness, guarantees and other liabilities, and are not redeemable prior to maturity. On August 3, 2015, we received approximately \$1.1 billion from the proceeds of the remarketing, and issued approximately 11.3 million shares of Common Stock to settle the purchase obligation of the holders of the equity units under the purchase contract entered into at the time of the original issuance of the equity units.

On May 1, 2015, we repaid all 4.875% notes due in 2015, representing \$1.2 billion in aggregate principal. On June 1, 2015, we repaid all floating rate notes due in 2015, representing \$500 million in aggregate principal. On May 4, 2015, we issued \$850 million aggregate principal amount of 4.150% notes due May 15, 2045. On May 22, 2015 we issued €750 million aggregate principal amount of 1.250% notes due May 22, 2023. The net proceeds from these debt issuances were used primarily to repay the 4.875% notes and floating rate notes that matured during the quarter ended June 30, 2015.

The project financing obligations included in the table above are associated with the sale of rights to unbilled revenues related to the ongoing activity of an entity owned by UTC Climate, Controls & Security. The percentage of total short-term borrowings and long-term debt at variable interest rates was 5% and 4% at December 31, 2015 and 2014, respectively. Interest rates on our commercial paper borrowings are considered variable due to their short-term duration and high-frequency of turnover.

The schedule of principal payments required on long-term debt for the next five years and thereafter is:

(dollars in millions)

2016	\$	179
2017		2,551
2018		1,231
2019		1,568
2020		1,476
Thereafter		12,434
Total	\$	19,439

We have an existing universal shelf registration statement filed with the Securities and Exchange Commission (SEC) for an indeterminate amount of securities for future issuance, subject to our internal limitations on the amount of securities to be issued under this shelf registration statement.

In 2015, we adopted ASU 2015-03, *Interest - Imputation of Interest: Simplifying the Presentation of Debt Issuance Costs*, which requires debt issuance costs previously reported as a deferred charge within Other noncurrent assets to be presented as a direct reduction from the carrying amount of debt, consistent with debt discounts, applied retrospectively for all periods presented. Long-term debt and Other assets as of December 31, 2014 were adjusted by approximately \$83 million as a result of the adoption of this ASU.

NOTE 10: EQUITY

On March 13, 2015, we entered into ASR agreements to repurchase an aggregate of \$2.65 billion of our common stock. Under the terms of the ASR agreements, we made the aggregate payments and received an initial delivery of approximately 18.6 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased. On July 31, 2015, the shares associated with the remaining portion of the aggregate purchase were settled upon final delivery of approximately 4.2 million additional shares of common stock.

On November 11, 2015, we entered into ASR agreements to repurchase an aggregate of \$6 billion of our common stock utilizing the net after-tax proceeds from the sale of Sikorsky. The ASR agreements provide for the repurchase of our common stock based on the average of the daily volume-weighted average prices of our common stock during the term of such ASR agreement, less a discount and subject to adjustments pursuant to the terms and conditions of the ASR agreement. Under the terms of the ASR agreements, we made the aggregate payments on November 16, 2015 and received an initial delivery of approximately 51.9 million shares of our common stock, representing approximately 85% of the shares expected to be repurchased at a price of \$98.26 per share. The aggregate purchase price was recorded as a reduction to shareowners' equity, consisting of a \$5.1 billion increase in treasury stock and a \$0.9 billion decrease in additional paid-in capital. The shares associated with the remaining portion of the aggregate purchase price are to be settled over six tranches. Upon settlement of each tranche, we may be entitled to receive additional common shares or, under certain limited circumstances, be required to

deliver shares or make additional payments to the counterparties. The final settlement of the transactions under all tranches is expected to occur no later than the third quarter of 2016.

The ASR agreements contain customary terms for these types of transactions, including the mechanisms to determine the number of shares or the amount of cash that will be delivered at settlement, the required timing of delivery upon settlement, the specific circumstances under which adjustments may be made to the repurchase transactions, and the specific circumstances under which the repurchase transactions may be canceled prior to the scheduled maturity.

As discussed in Note 9, on August 3, 2015, we received approximately \$1.1 billion from the proceeds of the remarketing of our 1.550% junior subordinated notes, which were originally issued as part of our equity units on June 18, 2012, and issued approximately 11.3 million shares of common stock to settle the purchase obligation of the holders of the equity units under the purchase contract entered into at the time of the original issuance of the equity units.

A summary of the changes in each component of accumulated other comprehensive (loss) income, net of tax for the years ended December 31, 2015 and 2014 is provided below:

<i>(dollars in millions)</i>	Foreign Currency Translation	Defined Benefit Pension and Post-retirement Plans	Unrealized Gains (Losses) on Available-for- Sale Securities	Unrealized Hedging (Losses) Gains	Accumulated Other Comprehensive (Loss) Income
Balance at December 31, 2013	\$ 170	\$ (3,267)	\$ 296	\$ (79)	\$ (2,880)
Other comprehensive (loss) income before reclassifications, net	(1,228)	(2,708)	28	(205)	(4,113)
Amounts reclassified, pre-tax	7	416	(20)	96	499
Tax (benefit) expense reclassified	—	(150)	4	(21)	(167)
Balance at December 31, 2014	\$ (1,051)	\$ (5,709)	\$ 308	\$ (209)	\$ (6,661)
Other comprehensive (loss) income before reclassifications, net	(1,429)	32	16	(298)	(1,679)
Amounts reclassified, pre-tax	42	867	(54)	234	1,089
Tax (benefit) expense reclassified	—	(325)	23	(66)	(368)
Balance at December 31, 2015	\$ (2,438)	\$ (5,135)	\$ 293	\$ (339)	\$ (7,619)

Amounts reclassified related to our defined benefit pension and postretirement plans include amortization of prior service costs and actuarial net losses recognized during each period presented. These costs are recorded as components of net periodic pension cost for each period presented (see Note 12 for additional details).

Changes in noncontrolling interests that do not result in a change of control, and where there is a difference between fair value and carrying value, are accounted for as equity transactions. The pro-forma increase (decrease) in Net income attributable to common shareowners would have been \$12 million, \$(71) million and \$(49) million for the years ended December 31, 2015, 2014 and 2013, respectively, had they been recorded through net income.

NOTE 11: INCOME TAXES

Income Before Income Taxes. The sources of income from continuing operations before income taxes are:

<i>(dollars in millions)</i>	2015	2014	2013
United States	\$ 2,782	\$ 4,165	\$ 3,065
Foreign	3,685	4,547	4,589
	\$ 6,467	\$ 8,712	\$ 7,654

With few exceptions, U.S. income taxes have not been provided on undistributed earnings of UTC's international subsidiaries. These earnings relate to ongoing operations and were approximately \$ 29 billion as of December 31, 2015. It is not practicable to estimate the amount of tax that might be payable. We intend to reinvest these earnings permanently outside the U.S. or to repatriate the earnings only when it is tax effective to do so.

Provision for Income Taxes. The income tax expense (benefit) for the years ended December 31, 2015, 2014 and 2013 consisted of the following components:

<i>(dollars in millions)</i>	2015	2014	2013
Current:			
United States:			
Federal	\$ 328	\$ 319	\$ 390
State	(37)	38	18
Foreign	1,158	1,484	1,323
	<u>1,449</u>	<u>1,841</u>	<u>1,731</u>
Future:			
United States:			
Federal	712	421	292
State	109	(23)	44
Foreign	(159)	5	(68)
	<u>662</u>	<u>403</u>	<u>268</u>
Income tax expense	<u>\$ 2,111</u>	<u>\$ 2,244</u>	<u>\$ 1,999</u>
Attributable to items credited (charged) to equity and goodwill	<u>\$ (114)</u>	<u>\$ 1,535</u>	<u>\$ (1,661)</u>

Reconciliation of Effective Income Tax Rate. Differences between effective income tax rates and the statutory U.S. federal income tax rate are as follows:

	2015	2014	2013
Statutory U.S. federal income tax rate	35.0 %	35.0 %	35.0 %
Tax on international activities	(2.0)%	(3.3)%	(6.2)%
Tax audit settlements	— %	(4.3)%	(0.5)%
Other	(0.4)%	(1.6)%	(2.2)%
Effective income tax rate	<u>32.6 %</u>	<u>25.8 %</u>	<u>26.1 %</u>

The 2015 effective tax rate reflects an unfavorable tax adjustment of \$274 million related to the planned repatriation of certain foreign earnings, the majority of which are current year earnings, and a favorable adjustment of approximately \$45 million related to a non-taxable gain recorded in the first quarter. France, the U.K. and certain U.S. states enacted tax law changes in the fourth quarter which resulted in a net incremental cost of approximately \$68 million in 2015.

The 2014 effective tax rate reflects a favorable tax adjustment of \$213 million related to the conclusion of the examination of UTC's 2009 - 2010 tax years, a favorable tax adjustment of \$84 million related to the resolution of disputed tax matters with the Appeals Division of the IRS for UTC's 2006 - 2008 tax years, a favorable tax impact of \$40 million related to the conclusion of the State of Connecticut's review of UTC's 2010 - 2012 tax years and a favorable tax impact of \$34 million related to the conclusion of the Canada Revenue Agency's examination of the company's research credits claimed in 2006-2012. Also included is a favorable tax adjustment of \$175 million associated with management's decision to repatriate additional high taxed dividends from the current year. These are partially offset by an unfavorable tax adjustment of approximately \$265 million related to the 1998 reorganization of the corporate structure of Otis operations in Germany, a matter which is currently in litigation. This is reported in the table above in tax on international activities.

The 2013 effective tax rate reflects a favorable noncash income tax adjustment of approximately \$35 million related to the conclusion of the examination of Goodrich's 2009 - 2010 tax years and resolution of a dispute with the IRS for Goodrich's 2001 - 2006 tax years. In addition, the 2013 effective tax rate also reflects a favorable tax impact of \$95 million associated with the legislative corporate tax extenders enacted in January 2013, as part of the American Taxpayer Relief Act of 2012, as well as the favorable tax impact of \$24 million related to a U.K. tax rate reduction enacted in July 2013.

Deferred Tax Assets and Liabilities. Future income taxes represent the tax effects of transactions which are reported in different periods for tax and financial reporting purposes. These amounts consist of the tax effects of temporary differences between the tax and financial reporting balance sheets and tax carryforwards. For the period ended December 31, 2014, future income tax benefits and payables are presented as current and non-current. For the period ended December 31, 2015, UTC has classified all deferred taxes as non-current based on an early adoption of Accounting Standards Update 2015-17. For both periods, future income tax benefits and payables within the same tax paying component of a particular jurisdiction are offset for presentation in the Consolidated Balance Sheet.

The tax effects of net temporary differences and tax carryforwards which gave rise to future income tax benefits and payables at December 31, 2015 and 2014 are as follows:

<i>(dollars in millions)</i>	2015	2014
Future income tax benefits:		
Insurance and employee benefits	\$ 2,650	\$ 3,033
Other asset basis differences	1,199	369
Other liability basis differences	1,543	1,039
Tax loss carryforwards	528	660
Tax credit carryforwards	872	963
Valuation allowances	(591)	(612)
	<u>\$ 6,201</u>	<u>\$ 5,452</u>
Future income taxes payable:		
Other asset basis differences	\$ 5,324	\$ 4,584
Other items, net	531	(124)
	<u>\$ 5,855</u>	<u>\$ 4,460</u>

Future income taxes payable, reflected in the table above, for the years ended December 31, 2015 and 2014, respectively, are reported in accrued liabilities and other long-term liabilities on our Consolidated Balance Sheet.

Valuation allowances have been established primarily for tax credit carryforwards, tax loss carryforwards, and certain foreign temporary differences to reduce the future income tax benefits to expected realizable amounts. The table above reflects reductions in 2014 to tax credit carryforwards and valuation allowances associated with an agreement with a state taxing authority for the monetization of tax credits.

Tax Credit and Loss Carryforwards. At December 31, 2015, tax credit carryforwards, principally state and foreign, and tax loss carryforwards, principally state and foreign, were as follows:

<i>(dollars in millions)</i>	Tax Credit Carryforwards	Tax Loss Carryforwards
Expiration period:		
2016-2020	\$ 3	\$ 274
2021-2025	4	127
2026-2035	196	573
Indefinite	668	1,927
Total	<u>\$ 871</u>	<u>\$ 2,901</u>

Unrecognized Tax Benefits. At December 31, 2015, we had gross tax-effected unrecognized tax benefits of \$1,169 million, all of which, if recognized, would impact the effective tax rate. A reconciliation of the beginning and ending amounts of unrecognized tax benefits and interest expense related to unrecognized tax benefits for the years ended December 31, 2015, 2014 and 2013 is as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Balance at January 1	\$ 1,089	\$ 1,223	\$ 1,073
Additions for tax positions related to the current year	206	164	113
Additions for tax positions of prior years	99	435	211
Reductions for tax positions of prior years	(101)	(47)	(41)
Settlements	(124)	(686)	(133)
Balance at December 31	<u>\$ 1,169</u>	<u>\$ 1,089</u>	<u>\$ 1,223</u>
Gross interest expense related to unrecognized tax benefits	<u>\$ 39</u>	<u>\$ 180</u>	<u>\$ 51</u>
Total accrued interest balance at December 31	<u>\$ 176</u>	<u>\$ 292</u>	<u>\$ 262</u>

Included in the balance at December 31, 2014 is \$ 87 million of tax positions whose tax characterization is highly certain but for which there is uncertainty about the timing of tax return inclusion. Because of the impact of deferred tax

accounting, other than interest and penalties, the timing would not impact the annual effective tax rate but could accelerate the payment of cash to the taxing authority to an earlier period.

We conduct business globally and, as a result, UTC or one or more of our subsidiaries files income tax returns in the U.S. federal jurisdiction and various state and foreign jurisdictions. In the normal course of business we are subject to examination by taxing authorities throughout the world, including such major jurisdictions as Australia, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Italy, Japan, Singapore, South Korea, Spain, the United Kingdom and the United States. With few exceptions, we are no longer subject to U.S. federal, state and local, or non-U.S. income tax examinations for years before 2003.

The Examination Division of the Internal Revenue Service is currently auditing UTC tax years 2011 and 2012 as well as pre-acquisition Goodrich tax years 2011 and 2012 through the date of acquisition by UTC, both of which are currently expected to continue beyond the next twelve months.

During 2014, the Company resolved various tax audit, appeal and litigation activity with the IRS, Connecticut Department of Revenue, and French and Canadian taxing authorities resulting in approximately \$ 508 million of primarily noncash tax gains, including pre-tax interest adjustments of \$132 million . During 2014, the Company also reached an agreement with a state taxing authority for the monetization of tax credits resulting in a gain of approximately \$ 220 million through Other Income.

During 2013, the Company recognized a predominantly noncash settlement gain of approximately \$34 million for interest relating to the closure of IRS audits of UTC through 2005. During 2013, the IRS also completed examination activity of Goodrich tax years 2009 and 2010, prior to its acquisition by UTC, resulting in a noncash settlement gain of approximately \$ 24 million , including \$ 2 million of interest. Additionally, certain litigation regarding the proper timing of deductions taken by Goodrich in its tax years 2001 and 2002, prior to its acquisition by UTC, was resolved in 2013 resulting in recognition of a noncash settlement gain of approximately \$ 25 million , including \$ 12 million of interest.

It is reasonably possible that over the next 12 months the amount of unrecognized tax benefits may change within a range of a net increase of \$ 25 million to a net decrease of \$ 490 million as a result of additional worldwide uncertain tax positions, the revaluation of current uncertain tax positions arising from developments in examinations, in appeals, or in the courts, or the closure of tax statutes.

See Note 17, Contingent Liabilities, for discussion regarding uncertain tax positions, included in the above range, related to pending litigation with respect to certain deductions claimed in Germany.

NOTE 12: EMPLOYEE BENEFIT PLANS

We sponsor numerous domestic and foreign employee benefit plans, which are discussed below.

Employee Savings Plans. We sponsor various employee savings plans. Our contributions to employer sponsored defined contribution plans were \$356 million , \$330 million and \$335 million for 2015 , 2014 and 2013 , respectively.

Our non-union domestic employee savings plan uses an Employee Stock Ownership Plan (ESOP) for employer matching contributions. External borrowings were used by the ESOP to fund a portion of its purchase of ESOP stock from us. The external borrowings have been extinguished and only re-amortized loans remain between UTC and the ESOP Trust. As ESOP debt service payments are made, common stock is released from an unreleased shares account. ESOP debt may be prepaid or re-amortized to either increase or decrease the number of shares released so that the value of released shares equals the value of plan benefit. We may also, at our option, contribute additional common stock or cash to the ESOP.

Shares of common stock are allocated to employees' ESOP accounts at fair value on the date earned. Cash dividends on common stock held by the ESOP are used for debt service payments. Participants receive additional shares in lieu of cash dividends. Common stock allocated to ESOP participants is included in the average number of common shares outstanding for both basic and diluted earnings per share. At December 31, 2015 , 29.2 million common shares had been allocated to employees, leaving 12.9 million unallocated common shares in the ESOP Trust, with an approximate fair value of \$1.2 billion .

Pension Plans. We sponsor both funded and unfunded domestic and foreign defined benefit pension plans that cover a large number of our employees. Our plans use a December 31 measurement date consistent with our fiscal year.

<i>(dollars in millions)</i>	2015	2014
Change in Benefit Obligation:		
Beginning balance	\$ 37,853	\$ 33,026
Service cost	493	487
Interest cost	1,399	1,517
Actuarial (gain) loss	(1,716)	5,277
Total benefits paid	(1,796)	(1,939)
Net settlement and curtailment gain	(55)	(1)
Plan amendments	39	5
Other	(789)	(519)
Ending balance	<u>\$ 35,428</u>	<u>\$ 37,853</u>
Change in Plan Assets:		
Beginning balance	\$ 32,738	\$ 31,355
Actual return on plan assets	265	3,140
Employer contributions	520	615
Benefits paid from plan assets	(1,796)	(1,939)
Settlements	(59)	—
Other	(657)	(433)
Ending balance	<u>\$ 31,011</u>	<u>\$ 32,738</u>
Funded Status:		
Fair value of plan assets	\$ 31,011	\$ 32,738
Benefit obligations	(35,428)	(37,853)
Funded status of plan	<u>\$ (4,417)</u>	<u>\$ (5,115)</u>
Amounts Recognized in the Consolidated Balance Sheet Consist of:		
Noncurrent assets	\$ 742	\$ 681
Current liability	(71)	(104)
Noncurrent liability	(5,088)	(5,692)
Net amount recognized	<u>\$ (4,417)</u>	<u>\$ (5,115)</u>
Amounts Recognized in Accumulated Other Comprehensive Loss Consist of:		
Net actuarial loss	\$ 8,224	\$ 9,068
Prior service credit	(57)	(27)
Net amount recognized	<u>\$ 8,167</u>	<u>\$ 9,041</u>

At the end of fiscal 2015, we changed the approach we use to estimate the service and interest components of net periodic pension cost for our significant pension plans. This change compared to the previous approach is expected to result in a net decrease in the service and interest components for pension cost in 2016. Historically, we estimated the service and interest cost components utilizing a single-weighted average discount rate derived from the yield curve used to measure the benefit obligation at the beginning of the period. We have elected to utilize a full yield curve approach in the estimation of these components by applying the specific spot rates along the yield curve used in determination of the benefit obligation to the relevant projected cash flows. We have made this change to provide a more precise measurement of service and interest costs by improving the correlation between projected benefit cash flows to the corresponding spot yield curve rates. This change does not affect the measurement of our total benefit obligations. This change will decrease the service and interest cost components of our annual net periodic pension cost by approximately \$215 million for 2016. We have accounted for this change as a change in accounting estimate and, accordingly, have accounted for it prospectively.

Included within "Actuarial (gain) loss" in the Change in Benefit Obligation in 2014 above, is a \$1.1 billion increase to the projected benefit obligation resulting from the adoption of the new mortality base table (RP-2014) with projection scale (MP-2014) that was published by the Society of Actuaries in 2014. In 2015, we updated to the revised projection scale

(MP-2015) that was published by the Society of Actuaries in 2015, which did not have a significant impact on the projected benefit obligation. The amounts included in "Other" in the above table primarily reflect the impact of foreign exchange translation, primarily for plans in the U.K. and Canada.

In 2014, we offered a voluntary lump-sum pension payout program to certain eligible terminated vested participants (generally any terminated vested participant with a lump sum value of \$50,000 or less) that would settle our obligation to those participants accepting the offer. The program provides participants with a one-time choice of electing to receive a lump-sum settlement in lieu of receiving a future monthly pension benefit. Payments to participants who accepted the offer began in 2014 and were completed in 2015. As part of this voluntary lump sum program, the Company settled \$147 million and \$311 million of its projected benefit obligation in 2015 and 2014, respectively.

Qualified domestic pension plan benefits comprise approximately 76% of the projected benefit obligation. Benefits for union employees are generally based on a stated amount for each year of service. For non-union employees, benefits for service up to December 31, 2014 are generally based on an employee's years of service and compensation through December 31, 2014. Effective January 1, 2015, benefits for future service are based on the existing cash balance formula that was adopted in 2003 for newly hired non-union employees and for other non-union employees who made a one-time voluntary election to have future benefit accruals determined under this formula. This plan change resulted in a \$623 million reduction in the projected benefit obligation as of December 31, 2009 and an additional \$204 million reduction in the projected benefit obligation as of July 26, 2012 when applied to legacy Goodrich salaried employees. Certain foreign plans, which comprise approximately 22% of the projected benefit obligation, are considered defined benefit plans for accounting purposes. Nonqualified domestic pension plans provide supplementary retirement benefits to certain employees and are not a material component of the projected benefit obligation.

We contributed \$250 million in UTC common stock to our domestic defined benefit pension plans and made \$147 million of cash contributions to our foreign defined benefit pension plans in 2015. In 2014, we made \$200 million of cash contributions to our domestic defined benefit pension plans and made \$317 million of cash contributions to our foreign defined benefit pension plans.

Information for pension plans with accumulated benefit obligations in excess of plan assets:

<i>(dollars in millions)</i>	2015	2014
Projected benefit obligation	\$ 30,915	\$ 34,261
Accumulated benefit obligation	30,362	33,495
Fair value of plan assets	25,827	28,478

The accumulated benefit obligation for all defined benefit pension plans was \$34.6 billion and \$36.9 billion at December 31, 2015 and 2014, respectively.

The components of the net periodic pension cost are as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Pension Benefits:			
Service cost	\$ 493	\$ 487	\$ 569
Interest cost	1,399	1,517	1,373
Expected return on plan assets	(2,264)	(2,215)	(2,107)
Amortization of prior service credit	(11)	(8)	(34)
Recognized actuarial net loss	882	429	954
Net settlement and curtailment loss	150	13	1
Net periodic pension cost - employer	\$ 649	\$ 223	\$ 756

Net settlement and curtailment losses for pension benefits includes curtailment losses of approximately \$109 million and \$1 million related to, and recorded in, discontinued operations for the years ended December 31, 2015 and 2014, respectively. Net settlement and curtailment losses for pension benefits includes curtailment gains of approximately \$23 million related to, and recorded in, discontinued operations for the year ended December 31, 2013. In addition, total net periodic pension cost includes approximately \$98 million, \$96 million and \$86 million related to, and recorded in, discontinued operations for the years ended December 31, 2015, 2014 and 2013, respectively.

Other changes in plan assets and benefit obligations recognized in other comprehensive loss in 2015 are as follows:

(dollars in millions)

Current year actuarial loss	\$ 283
Amortization of actuarial loss	(882)
Current year prior service cost	39
Amortization of prior service credit	11
Net settlement and curtailment loss	(145)
Other	(180)
Total recognized in other comprehensive loss	<u>\$ (874)</u>
Net recognized in net periodic pension cost and other comprehensive loss	<u>\$ (225)</u>

The estimated amount that will be amortized from accumulated other comprehensive loss into net periodic pension cost in 2016 is as follows:

(dollars in millions)

Net actuarial loss	\$ 540
Prior service credit	(32)
	<u>\$ 508</u>

Major assumptions used in determining the benefit obligation and net cost for pension plans are presented in the following table as weighted-averages:

	Benefit Obligation		Net Cost		
	2015	2014	2015	2014	2013
Discount rate	4.1%	3.8%	3.8%	4.7%	4.0%
Salary scale	4.2%	4.2%	4.2%	4.2%	4.2%
Expected return on plan assets	—	—	7.6%	7.6%	7.7%

In determining the expected return on plan assets, we consider the relative weighting of plan assets, the historical performance of total plan assets and individual asset classes, and economic and other indicators of future performance. In addition, we may consult with and consider the opinions of financial and other professionals in developing appropriate capital market assumptions. Return projections are also validated using a simulation model that incorporates yield curves, credit spreads and risk premiums to project long-term prospective returns.

The plans' investment management objectives include maintaining an adequate level of diversification, reducing interest rate and market risk, and providing adequate liquidity to meet immediate and future benefit payment requirements. Globally, investment strategies target a mix of 55% to 65% of growth seeking assets and 35% to 45% income generating and hedging assets using a wide diversification of asset types, fund strategies and investment managers. The growth seeking allocation consists of global public equities in developed and emerging countries, private equity, real estate and balanced market risk strategies. Within public equities, approximately 10% of the total investment portfolio is an enhanced equity strategy that invests in publicly traded equity and fixed income securities, derivatives and foreign currency. Investments in private equity are primarily via limited partnership interests in buy-out strategies with smaller allocations to distressed debt funds. The real estate strategy is principally concentrated in directly held U.S. core investments with some smaller investments in international, value-added and opportunistic strategies. Within the income generating assets, the fixed income portfolio consists of mainly government and broadly diversified high quality corporate bonds.

The plans have continued their pension risk management techniques designed to reduce the plans' interest rate risk. More specifically, the plans have incorporated liability hedging programs that include the adoption of a risk reduction objective as part of the long-term investment strategy. Under this objective the interest rate hedge is dynamically increased as funded status improves. The hedging programs incorporate a range of assets and investment tools, each with ranging interest rate sensitivity. The investment portfolios are currently hedging approximately 35% to 45% of the interest rate sensitivity of the pension plan liabilities.

The fair values of pension plan assets at December 31, 2015 and 2014 by asset category are as follows:

<i>(dollars in millions)</i>	Quoted Prices in Active Markets For Identical Assets (Level 1)	Significant Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Not Subject to Leveling	Total
Asset Category:					
Public Equities					
Global Equities	\$ 5,884	\$ —	\$ —	\$ —	\$ 5,884
Global Equity Commingled Funds ¹	—	779	—	—	779
Enhanced Global Equities ²	237	616	—	—	853
Global Equities Funds at net asset value ⁸	—	—	—	6,475	6,475
Private Equities ^{3,8}	—	—	182	1,335	1,517
Fixed Income Securities					
Governments	365	53	—	—	418
Corporate Bonds	—	7,013	—	—	7,013
Fixed Income Securities ⁸	—	—	—	2,992	2,992
Real Estate ^{4,8}	—	10	1,165	1,079	2,254
Other ^{5,8}	—	334	—	1,706	2,040
Cash & Cash Equivalents ^{6,8}	—	159	—	334	493
Subtotal	\$ 6,486	\$ 8,964	\$ 1,347	\$ 13,921	30,718
Other Assets & Liabilities ⁷					293
Total at December 31, 2015					\$ 31,011
Public Equities					
Global Equities	\$ 5,964	\$ 2	\$ —	\$ —	\$ 5,966
Global Equity Commingled Funds ¹	—	1,055	—	—	1,055
Enhanced Global Equities ²	292	1,192	—	—	1,484
Global Equities Funds at net asset value ⁸	—	—	—	6,505	6,505
Private Equities ^{3,8}	—	—	145	1,255	1,400
Fixed Income Securities					
Governments	419	52	—	—	471
Corporate Bonds	4	7,132	—	—	7,136
Fixed Income Securities ⁸	—	—	—	3,661	3,661
Real Estate ^{4,8}	—	12	975	938	1,925
Other ^{5,8}	—	349	—	1,896	2,245
Cash & Cash Equivalents ^{6,8}	200	131	—	116	447
Subtotal	\$ 6,879	\$ 9,925	\$ 1,120	\$ 14,371	32,295
Other Assets & Liabilities ⁷					443
Total at December 31, 2014					\$ 32,738

Note 1 Represents commingled funds that invest primarily in common stocks.

Note 2 Represents enhanced equity separate account and commingled fund portfolios. A portion of the portfolio may include long-short market neutral and relative value strategies that invest in publicly traded, equity and fixed income securities, as well as derivatives of equity and fixed income securities and foreign currency.

Note 3 Represents limited partner investments with general partners that primarily invest in debt and equity.

Note 4 Represents investments in real estate including commingled funds and directly held properties.

Note 5 Represents insurance contracts and global balanced risk commingled funds consisting mainly of equity, bonds and some commodities.

Note 6 Represents short-term commercial paper, bonds and other cash or cash-like instruments.

Note 7 Represents trust receivables and payables that are not leveled.

Note 8 In accordance with ASU 2015-07, *Fair Value Measurement (Topic 820)*, certain investments that are measured at fair value using the net asset value per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented for the total pension benefits plan assets.

Derivatives in the plan are primarily used to manage risk and gain asset class exposure while still maintaining liquidity. Derivative instruments mainly consist of equity futures, interest rate futures, interest rate swaps and currency forward contracts.

Our common stock represents approximately 3% of total plan assets at December 31, 2015 and 2014. We review our assets at least quarterly to ensure we are within the targeted asset allocation ranges and, if necessary, asset balances are adjusted back within target allocations. We employ a broadly diversified investment manager structure that includes diversification by active and passive management, style, capitalization, country, sector, industry and number of investment managers.

The fair value measurement of plan assets using significant unobservable inputs (Level 3) changed due to the following:

<i>(dollars in millions)</i>	Private Equities	Real Estate	Total
Balance, December 31, 2013	\$ 90	\$ 1,045	\$ 1,135
Unrealized gains relating to instruments still held in the reporting period	1	66	67
Purchases, sales, and settlements, net	54	(136)	(82)
Balance, December 31, 2014	145	975	1,120
Realized gains (losses)	3	(4)	(1)
Unrealized gains relating to instruments still held in the reporting period	42	105	147
Purchases, sales, and settlements, net	(8)	89	81
Balance, December 31, 2015	\$ 182	\$ 1,165	\$ 1,347

Quoted market prices are used to value investments when available. Investments in securities traded on exchanges, including listed futures and options, are valued at the last reported sale prices on the last business day of the year or, if not available, the last reported bid prices. Fixed income securities are primarily measured using a market approach pricing methodology, where observable prices are obtained by market transactions involving identical or comparable securities of issuers with similar credit ratings. Mortgages have been valued on the basis of their future principal and interest payments discounted at prevailing interest rates for similar investments. Investment contracts are valued at fair value by discounting the related cash flows based on current yields of similar instruments with comparable durations. Real estate investments are valued on a quarterly basis using discounted cash flow models which consider long-term lease estimates, future rental receipts and estimated residual values. Valuation estimates are supplemented by third-party appraisals on an annual basis.

Private equity limited partnerships are valued quarterly using discounted cash flows, earnings multiples and market multiples. Valuation adjustments reflect changes in operating results, financial condition, or prospects of the applicable portfolio company. Over-the-counter securities and government obligations are valued at the bid prices or the average of the bid and ask prices on the last business day of the year from published sources or, if not available, from other sources considered reliable, generally broker quotes. Temporary cash investments are stated at cost, which approximates fair value.

Although we are not required to make additional contributions to our domestic defined benefit pension plans through the end of 2020, we may elect to make discretionary contributions in 2016. We expect to make total contributions of approximately \$175 million to our global defined benefit pension plans in 2016. Contributions do not reflect benefits to be paid directly from corporate assets.

Benefit payments, including amounts to be paid from corporate assets, and reflecting expected future service, as appropriate, are expected to be paid as follows: \$2,041 million in 2016, \$1,871 million in 2017, \$1,935 million in 2018, \$1,997 million in 2019, \$2,058 million in 2020, and \$10,996 million from 2021 through 2025.

Postretirement Benefit Plans. We sponsor a number of postretirement benefit plans that provide health and life benefits to eligible retirees. Such benefits are provided primarily from domestic plans, which comprise approximately 89% of the benefit obligation. The postretirement plans are unfunded.

<i>(dollars in millions)</i>	2015	2014
Change in Benefit Obligation:		
Beginning balance	\$ 952	\$ 987
Service cost	3	3
Interest cost	34	41
Actuarial loss	—	7
Total benefits paid	(104)	(107)
Other	5	21
Ending balance	\$ 890	\$ 952
Change in Plan Assets:		
Beginning balance	\$ —	\$ —
Employer contributions	84	85
Benefits paid from plan assets	(104)	(107)
Other	20	22
Ending balance	\$ —	\$ —
Funded Status:		
Fair value of plan assets	\$ —	\$ —
Benefit obligations	(890)	(952)
Funded status of plan	\$ (890)	\$ (952)
Amounts Recognized in the Consolidated Balance Sheet Consist of:		
Current liability	\$ (84)	\$ (89)
Noncurrent liability	(806)	(863)
Net amount recognized	\$ (890)	\$ (952)
Amounts Recognized in Accumulated Other Comprehensive Loss Consist of:		
Net actuarial gain	\$ (109)	\$ (113)
Prior service (credit) cost	(1)	1
Net amount recognized	\$ (110)	\$ (112)

The components of net periodic benefit cost are as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Other Postretirement Benefits:			
Service cost	\$ 3	\$ 3	\$ 3
Interest cost	34	41	38
Amortization of prior service credit	—	(1)	(10)
Recognized actuarial net gain	(4)	(4)	(4)
Net settlement and curtailment gain	(1)	—	—
Net periodic other postretirement benefit cost	\$ 32	\$ 39	\$ 27

Other changes in plan assets and benefit obligations recognized in other comprehensive loss in 2015 are as follows:

(dollars in millions)

Current year actuarial loss	\$	1
Current year prior service credit		(2)
Amortization of actuarial net gain		4
Other		(1)
Total recognized in other comprehensive loss	\$	2
Net recognized in net periodic other postretirement benefit cost and other comprehensive loss	\$	34

The estimated amounts that will be amortized from accumulated other comprehensive loss into net periodic benefit cost in 2016 include actuarial net gains of \$3 million and prior service credits of \$1 million .

Major assumptions used in determining the benefit obligation and net cost for postretirement plans are presented in the following table as weighted-averages:

	Benefit Obligation		Net Cost		
	2015	2014	2015	2014	2013
Discount rate	4.0%	3.8%	3.8%	4.4%	3.6%

Assumed health care cost trend rates are as follows:

	2015	2014
Health care cost trend rate assumed for next year	6.5%	7.0%
Rate that the cost trend rate gradually declines to	5.0%	5.0%
Year that the rate reaches the rate it is assumed to remain at	2022	2019

Assumed health care cost trend rates have a significant effect on the amounts reported for the health care plans. A one-percentage-point change in assumed health care cost trend rates would have the following effects:

<i>(dollars in millions)</i>	2015 One-Percentage-Point	
	Increase	Decrease
Effect on total service and interest cost	\$ 2	\$ (2)
Effect on postretirement benefit obligation	57	(48)

Benefit payments, including net amounts to be paid from corporate assets and reflecting expected future service, as appropriate, are expected to be paid as follows: \$84 million in 2016, \$82 million in 2017, \$77 million in 2018, \$72 million in 2019, \$67 million in 2020, and \$276 million from 2021 through 2025.

Multiemployer Benefit Plans. We contribute to various domestic and foreign multiemployer defined benefit pension plans. The risks of participating in these multiemployer plans are different from single-employer plans in that assets contributed are pooled and may be used to provide benefits to employees of other participating employers. If a participating employer stops contributing to the plan, the unfunded obligations of the plan may be borne by the remaining participating employers. Lastly, if we choose to stop participating in some of our multiemployer plans, we may be required to pay those plans a withdrawal liability based on the underfunded status of the plan.

Our participation in these plans for the annual periods ended December 31 is outlined in the table below. Unless otherwise noted, the most recent Pension Protection Act (PPA) zone status available in 2015 and 2014 is for the plan's year-end at June 30, 2014 , and June 30, 2013 , respectively. The zone status is based on information that we received from the plan and is certified by the plan's actuary. Our significant plan is in the green zone which represents a plan that is at least 80% funded and does not require a financial improvement plan (FIP) or a rehabilitation plan (RP). An extended amortization provision of ten years is utilized to recognize investment gains or losses for our significant plan.

<i>(dollars in millions)</i>	EIN/Pension Plan Number	Pension Protection Act Zone Status		FIP/ RP Status	Contributions			Surcharge Imposed	Expiration Date of Collective-Bargaining Agreement
		2015	2014	Pending/ Implemented	2015	2014	2013		
National Elevator Industry Pension Plan	23-2694291	Green	Green	No	\$ 88	\$ 79	\$ 71	No	July 8, 2017
Other funds					32	34	34		
					\$ 120	\$ 113	\$ 105		

For the plan years ended June 30, 2014 and 2013, respectively, we were listed in the National Elevator Industry Pension Plan 's Forms 5500 as providing more than 5% of the total contributions for the plan. At the date these financial statements were issued, Forms 5500 were not available for the plan year ending June 30, 2015.

In addition, we participate in several multiemployer arrangements that provide postretirement benefits other than pensions, with the National Elevator Industry Health Benefit Plan being the most significant. These arrangements generally provide medical and life benefits for eligible active employees and retirees and their dependents. Contributions to multiemployer plans that provide postretirement benefits other than pensions were \$15 million , \$14 million and \$12 million for 2015, 2014 and 2013, respectively.

Stock-based Compensation. UTC's long-term incentive plan authorizes various types of market and performance based incentive awards that may be granted to officers and employees. Our Long-Term Incentive Plan (LTIP) was amended and restated effective April 28, 2014. Since the LTIP's inception in 2005, a total of 149 million shares have been authorized for issuance pursuant to awards under the LTIP. All equity-based compensation awards are made exclusively through the LTIP. As of December 31, 2015 , approximately 46 million shares remain available for awards under the LTIP. The LTIP does not contain an aggregate annual award limit. We expect that the shares awarded on an annual basis will range from 1.0% to 1.5% of shares outstanding. The LTIP will expire after all authorized shares have been awarded or April 30, 2020 , whichever is sooner.

Under the LTIP and predecessor long-term incentive plans, the exercise price of awards is set on the grant date and may not be less than the fair market value per share on that date. Generally, stock appreciation rights and stock options have a term of ten years and a minimum three-year vesting period. In the event of retirement, awards held for more than one year may become vested and exercisable subject to certain terms and conditions. LTIP awards with performance-based vesting generally have a minimum three-year vesting period and vest based on performance against pre-established metrics. In the event of retirement, vesting for awards held more than one year does not accelerate but may vest as scheduled based on actual performance relative to target metrics. We have historically repurchased shares of our common stock in an amount at least equal to the number of shares issued under our equity compensation arrangements and will continue to evaluate this policy in conjunction with our overall share repurchase program.

On November 6, 2015, the sale of Sikorsky to Lockheed Martin Corp. triggered an award modification as defined by ASC 718. In general, unvested UTC awards held by Sikorsky employees accelerated as of the sale date and an increase in the post-termination exercise period was allowed. The modification resulted in the recognition of net incremental expense of \$2 million . This charge was reflected in discontinued operations.

We measure the cost of all share-based payments, including stock options, at fair value on the grant date and recognize this cost in the Consolidated Statement of Operations as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Continuing operations	\$ 158	\$ 219	\$ 250
Discontinued operations	17	21	25
Total compensation cost recognized	\$ 175	\$ 240	\$ 275

The associated future income tax benefit recognized was \$57 million , \$80 million and \$97 million for the years ended December 31, 2015, 2014 and 2013 , respectively.

For the years ended December 31, 2015, 2014 and 2013 , the amount of cash received from the exercise of stock options was \$41 million , \$187 million and \$378 million , respectively, with an associated tax benefit realized of \$89 million , \$125 million and \$194 million , respectively. In addition, for the years ended December 31, 2015, 2014 and 2013 , the associated tax benefit realized from the vesting of performance share units and other restricted awards was \$48 million , \$49 million and \$26 million , respectively. Also, in accordance with the Compensation—Stock Compensation Topic of the FASB ASC, for the years

ended December 31, 2015, 2014 and 2013, \$64 million, \$103 million and \$115 million, respectively, of certain tax benefits have been reported as operating cash outflows with corresponding cash inflows from financing activities.

At December 31, 2015, there was \$163 million of total unrecognized compensation cost related to non-vested equity awards granted under long-term incentive plans. This cost is expected to be recognized ratably over a weighted-average period of 2.2 years.

A summary of the transactions under all long-term incentive plans for the year ended December 31, 2015 follows:

<i>(shares and units in thousands)</i>	Stock Options		Stock Appreciation Rights		Performance Share Units		Other Incentive Shares/Units
	Shares	Average Price*	Shares	Average Price*	Units	Average Price**	
Outstanding at:							
December 31, 2014	2,288	\$ 73.76	38,404	\$ 77.48	2,532	\$ 87.65	1,495
Granted	312	110.78	5,411	111.15	693	115.08	574
Exercised/earned	(648)	56.10	(4,975)	64.56	(884)	74.71	(487)
Cancelled	(73)	68.69	(729)	96.67	(171)	86.60	(115)
December 31, 2015	1,879	\$ 86.19	38,111	\$ 83.58	2,170	\$ 101.78	1,467

* weighted-average exercise price

** weighted-average grant stock price

The weighted-average grant date fair value of stock options and stock appreciation rights granted during 2015, 2014, and 2013 was \$18.69, \$28.36 and \$19.91, respectively. The weighted-average grant date fair value of performance share units, which vest upon achieving certain performance metrics, granted during 2015, 2014, and 2013 was \$120.36, \$125.41 and \$91.71, respectively. The total fair value of awards vested during the years ended December 31, 2015, 2014 and 2013 was \$247 million, \$226 million and \$219 million, respectively. The total intrinsic value (which is the amount by which the stock price exceeded the exercise price on the date of exercise) of stock options and stock appreciation rights exercised during the years ended December 31, 2015, 2014 and 2013 was \$281 million, \$425 million and \$608 million, respectively. The total intrinsic value (which is the stock price at vesting) of performance share units and other restricted awards vested was \$151 million, \$154 million and \$75 million during the years ended December 31, 2015, 2014 and 2013, respectively.

The following table summarizes information about equity awards outstanding that are vested and expected to vest and equity awards outstanding that are exercisable at December 31, 2015:

<i>(shares in thousands; aggregate intrinsic value in millions)</i>	Equity Awards Vested and Expected to Vest				Equity Awards That Are Exercisable			
	Awards	Average Price*	Aggregate Intrinsic Value	Remaining Term**	Awards	Average Price*	Aggregate Intrinsic Value	Remaining Term**
Stock Options/Stock Appreciation Rights	39,894	\$ 82.95	\$ 675	5.4 years	25,887	\$ 72.74	\$ 621	4.1 years
Performance Share Units/Restricted Stock	2,128	—	204	1.7 years				

* weighted-average exercise price per share

** weighted-average contractual remaining term in years

The fair value of each option award is estimated on the date of grant using a binomial lattice model. The following table indicates the assumptions used in estimating fair value for the years ended December 31, 2015, 2014 and 2013. Lattice-based option models incorporate ranges of assumptions for inputs, those ranges are as follows:

	2015	2014	2013
Expected volatility	20% - 23%	22% - 26%	26% - 27%
Weighted-average volatility	21%	26%	27%
Expected term (in years)	6.0 - 6.8	7.6 - 8.0	7.3 - 7.6
Expected dividends	2.2%	2.2%	2.6%
Risk-free rate	0.0% - 2.2%	0.0% - 3.1%	0.1% - 1.9%

Expected volatilities are based on the returns of our stock, including implied volatilities from traded options on our stock for the binomial lattice model. We use historical data to estimate equity award exercise and employee termination

behavior within the valuation model. Separate employee groups and equity award characteristics are considered separately for valuation purposes. The expected term represents an estimate of the period of time equity awards are expected to remain outstanding. The risk-free rate is based on the term structure of interest rates at the time of equity award grant.

NOTE 13: RESTRUCTURING COSTS

During 2015 , we recorded net pre-tax restructuring costs totaling \$535 million for new and ongoing restructuring actions. We recorded charges in the segments as follows:

(dollars in millions)

Otis	\$	51
UTC Climate, Controls & Security		108
Pratt & Whitney		105
UTC Aerospace Systems		111
Eliminations and other		21
Restructuring costs recorded within continuing operations		396
Restructuring costs recorded within discontinued operations		139
Total	\$	535

During the year ended December 31, 2015 , we incurred restructuring costs that were recorded within discontinued operations of \$139 million , which includes approximately \$109 million of net settlements and curtailment losses for pension benefits. There were no curtailment losses related to discontinued operations for the year ended December 31, 2014 . Restructuring charges incurred in 2015 primarily relate to actions initiated during 2015 and 2014 , and were recorded as follows:

(dollars in millions)

Cost of sales	\$	185
Selling, general and administrative		211
Restructuring costs recorded within continuing operations		396
Restructuring costs recorded within discontinued operations		139
Total	\$	535

2015 Actions. During 2015 , we initiated restructuring actions relating to ongoing cost reduction efforts, including workforce reductions and consolidation of field operations. We recorded net pre-tax restructuring costs totaling \$326 million for restructuring actions initiated in 2015 , consisting of \$148 million in cost of sales, and \$178 million in selling, general and administrative expenses.

We are targeting to complete in 2016 and 2017 the majority of the remaining workforce and all facility related cost reduction actions initiated in 2015 . No specific plans for significant other actions have been finalized at this time. The following table summarizes the accrual balances and utilization by cost type for the 2015 restructuring actions:

<i>(dollars in millions)</i>	Severance	Facility Exit, Lease Termination & Other Costs	Total
Net pre-tax restructuring costs	\$ 289	\$ 37	\$ 326
Utilization and foreign exchange	(106)	(14)	(120)
Balance at December 31, 2015	\$ 183	\$ 23	\$ 206

The following table summarizes expected, incurred and remaining costs for the 2015 restructuring actions by segment:

<i>(dollars in millions)</i>	Expected Costs	Cost Incurred During 2015	Remaining Costs at December 31, 2015
Otis	\$ 51	\$ (35)	\$ 16
UTC Climate, Controls & Security	207	(83)	124
Pratt & Whitney	83	(82)	1
UTC Aerospace Systems	181	(105)	76
Eliminations and other	21	(21)	—
Total	\$ 543	\$ (326)	\$ 217

2014 Actions. During 2015, we recorded net pre-tax restructuring costs totaling \$73 million for restructuring actions initiated in 2014, consisting of \$43 million in cost of sales and \$30 million in selling, general and administrative expenses. The 2014 actions relate to ongoing cost reduction efforts, including workforce reductions and the consolidation of field operations. The following table summarizes the accrual balances and utilization by cost type for the 2014 restructuring actions:

<i>(dollars in millions)</i>	Severance	Facility Exit, Lease Termination and Other Costs	Total
Restructuring accruals at January 1, 2015	\$ 156	\$ 9	\$ 165
Net pre-tax restructuring costs	52	21	73
Utilization and foreign exchange	(116)	(28)	(144)
Balance at December 31, 2015	\$ 92	\$ 2	\$ 94

The following table summarizes expected, incurred and remaining costs for the 2014 programs by segment:

<i>(dollars in millions)</i>	Expected Costs	Costs Incurred During 2014	Costs Incurred During 2015	Remaining Costs at December 31, 2015
Otis	\$ 121	\$ (98)	\$ (16)	\$ 7
UTC Climate, Controls & Security	123	(86)	(31)	6
Pratt & Whitney	117	(64)	(24)	29
UTC Aerospace Systems	80	(72)	(2)	6
Eliminations and other	5	(5)	—	—
Total	\$ 446	\$ (325)	\$ (73)	\$ 48

NOTE 14: FINANCIAL INSTRUMENTS

We enter into derivative instruments for risk management purposes only, including derivatives designated as hedging instruments under the Derivatives and Hedging Topic of the FASB ASC and those utilized as economic hedges. We operate internationally and, in the normal course of business, are exposed to fluctuations in interest rates, foreign exchange rates and commodity prices. These fluctuations can increase the costs of financing, investing and operating the business. We have used derivative instruments, including swaps, forward contracts and options to manage certain foreign currency, interest rate and commodity price exposures.

The four quarter rolling average of the notional amount of foreign exchange contracts hedging foreign currency transactions was \$ 15.6 billion and \$ 13.9 billion at December 31, 2015 and 2014, respectively. Additional information pertaining to foreign exchange and hedging activities is included in Note 1.

The following table summarizes the fair value of derivative instruments as of December 31, 2015 and 2014 which consist solely of foreign exchange contracts:

<i>(dollars in millions)</i>	Asset Derivatives		Liability Derivatives	
	2015	2014	2015	2014
Derivatives designated as hedging instruments	\$ 4	\$ 3	\$ 428	\$ 248
Derivatives not designated as hedging instruments	97	139	105	71

As discussed in Note 9, on May 22, 2015 we issued approximately €750 million of Euro-denominated debt, which qualifies as a net investment hedge against our investments in European businesses. As of December 31, 2015, the net investment hedge is deemed to be effective.

The impact from foreign exchange derivative instruments that qualified as cash flow hedges was as follows:

<i>(dollars in millions)</i>	Year Ended December 31,	
	2015	2014
Loss recorded in Accumulated other comprehensive loss	\$ (415)	\$ (263)
Loss reclassified from Accumulated other comprehensive loss into Product sales (effective portion)	\$ 234	\$ 96

Assuming current market conditions continue, a \$ 225 million pre-tax loss is expected to be reclassified from Accumulated other comprehensive loss into Product sales to reflect the fixed prices obtained from foreign exchange hedging within the next 12 months. At December 31, 2015, all derivative contracts accounted for as cash flow hedges mature by January 2020.

We recognized a gain of \$63 million and \$53 million in Other income, net on the Consolidated Statement of Operations from foreign exchange contracts not designated as hedging instruments in 2015 and 2014, respectively.

NOTE 15: FAIR VALUE MEASUREMENTS

The Fair Value Measurements and Disclosures Topic of the FASB ASC establishes a valuation hierarchy for disclosure of the inputs to the valuations used to measure fair value. A financial asset or liability's classification within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement. This hierarchy prioritizes the inputs into three broad levels as follows:

- Level 1 - quoted prices in active markets for identical assets or liabilities;
- Level 2 - inputs other than quoted prices included within Level 1 that are observable for the asset or liability either directly or indirectly;
- Level 3 - unobservable inputs based on our own assumptions used to measure assets and liabilities at fair value.

The following table provides the assets and liabilities carried at fair value measured on a recurring and non-recurring basis as of December 31, 2015 and 2014:

2015 <i>(dollars in millions)</i>	Total	Level 1	Level 2	Level 3
Recurring fair value measurements:				
Available-for-sale securities	\$ 951	\$ 951	\$ —	\$ —
Derivative assets	101	—	101	—
Derivative liabilities	(533)	—	(533)	—
2014 <i>(dollars in millions)</i>				
Recurring fair value measurements:				
Available-for-sale securities	\$ 961	\$ 961	\$ —	\$ —
Derivative assets	142	—	142	—
Derivative liabilities	(319)	—	(319)	—
Non-recurring fair value measurements:				
Business dispositions	3	—	3	—

In 2015, we recorded net gains of approximately \$126 million as a result of a fair value adjustment related to the acquisition of a controlling interest in a UTC Climate, Controls & Security joint venture investment, and an impairment charge of \$61 million related to certain assets held for sale by UTC Aerospace Systems.

During 2014, we recorded net gains of approximately \$23 million, including a \$48 million gain during 2014, as a result of fair value adjustments related to the acquisition of the majority interest in a Pratt & Whitney joint venture. During 2014, we also recorded an approximately \$30 million net gain from UTC Climate, Controls & Security's ongoing portfolio transformation, primarily due to a gain on the sale of an interest in a joint venture in North America, and a charge of approximately \$28 million, included in discontinued operations, to adjust the fair value of a Sikorsky joint venture investment.

Valuation Techniques. Our available-for-sale securities include equity investments that are traded in active markets, either domestically or internationally and are measured at fair value using closing stock prices from active markets. Our derivative assets and liabilities include foreign exchange contracts and commodity derivatives that are measured at fair value using internal models based on observable market inputs such as forward rates, interest rates, our own credit risk and our counterparties' credit risks. As of December 31, 2015, there were no significant transfers in and out of Level 1 and Level 2.

As of December 31, 2015, there has not been any significant impact to the fair value of our derivative liabilities due to our own credit risk. Similarly, there has not been any significant adverse impact to our derivative assets based on our evaluation of our counterparties' credit risks.

The following table provides carrying amounts and fair values of financial instruments that are not carried at fair value at December 31, 2015 and 2014:

<i>(dollars in millions)</i>	December 31, 2015		December 31, 2014	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Long-term receivables	\$ 224	\$ 209	\$ 214	\$ 204
Customer financing notes receivable	403	403	262	260
Short-term borrowings	(926)	(926)	(126)	(126)
Long-term debt (excluding capitalized leases)	(19,476)	(21,198)	(19,623)	(22,244)
Long-term liabilities	(458)	(419)	(80)	(74)

The following table provides the valuation hierarchy classification of assets and liabilities that are not carried at fair value in our Consolidated Balance Sheet as of December 31, 2015:

<i>(dollars in millions)</i>	Total	Level 1	Level 2	Level 3
Long-term receivables	\$ 209	\$ —	\$ 209	\$ —
Customer financing notes receivable	403	—	403	—
Short-term borrowings	(926)	—	(727)	(199)
Long-term debt (excluding capitalized leases)	(21,198)	—	(20,845)	(353)
Long-term liabilities	(419)	—	(419)	—

NOTE 16: GUARANTEES

We extend a variety of financial guarantees to third parties. As of December 31, 2015 and 2014, the following financial guarantees were outstanding:

<i>(dollars in millions)</i>	December 31, 2015		December 31, 2014	
	Maximum Potential Payment	Carrying Amount of Liability	Maximum Potential Payment	Carrying Amount of Liability
Commercial aerospace financing arrangements (see Note 5)	\$ 365	\$ 12	\$ 411	\$ 18
Credit facilities and debt obligations (expire 2016 to 2028)	241	—	211	15
Performance guarantees	55	3	136	—

We also have obligations arising from sales of certain businesses and assets, including those from representations and warranties and related indemnities for environmental, health and safety, tax and employment matters. The maximum potential

payment related to these obligations is not a specified amount as a number of the obligations do not contain financial caps. The carrying amount of liabilities related to these obligations was \$171 million and \$186 million at December 31, 2015 and 2014, respectively. For additional information regarding the environmental indemnifications, see Note 17.

We accrue for costs associated with guarantees when it is probable that a liability has been incurred and the amount can be reasonably estimated. The most likely cost to be incurred is accrued based on an evaluation of currently available facts, and where no amount within a range of estimates is more likely, the minimum is accrued. In accordance with the Guarantees Topic of the FASB ASC we record these liabilities at fair value.

We provide service and warranty policies on our products and extend performance and operating cost guarantees beyond our normal service and warranty policies on some of our products, particularly commercial aircraft engines. In addition, we incur discretionary costs to service our products in connection with specific product performance issues. Liabilities for performance and operating cost guarantees are based upon future product performance and durability, and are largely estimated based upon historical experience. Adjustments are made to accruals as claim data and historical experience warrant. The changes in the carrying amount of service and product warranties and product performance guarantees for the years ended December 31, 2015 and 2014 are as follows:

<i>(dollars in millions)</i>	2015	2014
Balance as of January 1	\$ 1,264	\$ 1,324
Warranties and performance guarantees issued	291	302
Settlements made	(259)	(322)
Other	(84)	(40)
Balance as of December 31	<u>\$ 1,212</u>	<u>\$ 1,264</u>

NOTE 17: CONTINGENT LIABILITIES

Except as otherwise noted, while we are unable to predict the final outcome, based on information currently available, we do not believe that resolution of any of the following matters will have a material adverse effect upon our competitive position, results of operations, cash flows or financial condition.

Leases. We occupy space and use certain equipment under lease arrangements. Rental commitments of \$2,183 million at December 31, 2015 under long-term non-cancelable operating leases are payable as follows: \$529 million in 2016, \$391 million in 2017, \$285 million in 2018, \$207 million in 2019, \$133 million in 2020 and \$638 million thereafter. Rent expense was \$386 million in 2015, \$434 million in 2014 and \$429 million in 2013.

Additional information pertaining to commercial aerospace rental commitments is included in Note 5 to the Consolidated Financial Statements.

Environmental. Our operations are subject to environmental regulation by federal, state and local authorities in the United States and regulatory authorities with jurisdiction over our foreign operations. As described in Note 1 to the Consolidated Financial Statements, we have accrued for the costs of environmental remediation activities and periodically reassess these amounts. We believe that the likelihood of incurring losses materially in excess of amounts accrued is remote. As of December 31, 2015 and 2014, we had \$837 million and \$863 million reserved for environmental remediation, respectively. Additional information pertaining to environmental matters is included in Note 1 to the Consolidated Financial Statements.

Government. In the ordinary course of business, the Company and its subsidiaries and our properties are subject to regulatory and governmental examinations, information gathering requests, inquiries, investigations and threatened legal actions and proceedings. For example, we are now, and believe that, in light of the current U.S. Government contracting environment, we will continue to be the subject of one or more U.S. Government investigations. Such U.S. Government investigations often take years to complete and could result in administrative, civil or criminal liabilities, including repayments, fines, treble and other damages, forfeitures, restitution or penalties, or could lead to suspension or debarment of U.S. Government contracting or of export privileges. For instance, if we or one of our business units were charged with wrongdoing as a result of any of these investigations or other government investigations (including violations of certain environmental or export laws) the U.S. Government could suspend us from bidding on or receiving awards of new U.S. Government contracts pending the completion of legal proceedings. If convicted or found liable, the U.S. Government could fine and debar us from new U.S. Government contracting for a period generally not to exceed three years. The U.S. Government also reserves the right to debar a contractor from receiving new government contracts for fraudulent, criminal or other seriously improper conduct. The U.S. Government could void any contracts found to be tainted by fraud.

Our contracts with the U.S. Government are also subject to audits. Like many defense contractors, we have received audit reports, which recommend that certain contract prices should be reduced to comply with various government regulations, including because cost or pricing data we submitted in negotiation of the contract prices or cost accounting practices may not have conformed to government regulations, or that certain payments be delayed or withheld. Some of these audit reports involved substantial amounts. We have made voluntary refunds in those cases we believe appropriate, have settled some allegations and continue to litigate certain cases. In addition, we accrue for liabilities associated with those matters that are probable and can be reasonably estimated. The most likely settlement amount to be incurred is accrued based upon a range of estimates. Where no amount within a range of estimates is more likely, then we accrued the minimum amount.

Legal Proceedings.

F100 Engine Litigation

As previously disclosed, the United States Government sued us in 1999 in the United States District Court for the Southern District of Ohio (District Court), claiming that Pratt & Whitney violated the civil False Claims Act and common law. The claims relate to the "Fighter Engine Competition" between Pratt & Whitney's F100 engine and General Electric's F110 engine. The government alleged that it overpaid for F100 engines under contracts awarded by the U.S. Air Force in fiscal years 1985 through 1990 because Pratt & Whitney inflated its estimated costs for some purchased parts and withheld data that would have revealed the overstatements. At trial, which ended in April 2005, the government claimed Pratt & Whitney's liability to be approximately \$624 million. On August 1, 2008, the trial court held that the Air Force had not suffered any actual damages because Pratt & Whitney had made significant price concessions after the alleged overstatements were made. However, the trial court judge found that Pratt & Whitney violated the False Claims Act due to inaccurate statements contained in its 1983 initial engine pricing proposal. In the absence of actual damages, the trial court awarded the government the maximum civil penalty of \$7,090,000, or \$10,000 for each of the 709 invoices Pratt & Whitney submitted in 1989 and later under the contracts. In September 2008, both the government and UTC appealed the decision to the United States Court of Appeals for the Sixth Circuit. In November 2010, the Sixth Circuit affirmed Pratt & Whitney's liability for the civil penalty under the False Claims Act, but remanded the case to the trial court for further proceedings on the issues of False Claims Act damages and common law liability and damages.

On June 18, 2012, the trial court found that Pratt & Whitney had breached obligations imposed by common law based on the same conduct with respect to which the court previously found liability under the False Claims Act. Under the common law claims, the U.S. Air Force seeks damages for events occurring before March 3, 1989, which are not recoverable under the False Claims Act.

On June 17, 2013, the trial court awarded the government approximately \$473 million in damages and penalties, plus prejudgment interest in an amount to be determined. On July 1, 2013, the trial court, after determining the amount of prejudgment interest, entered judgment in favor of the government in the amount of approximately \$664 million. The trial court also awarded post-judgment interest on the full amount of the judgment to accrue from July 2, 2013, at the federal variable interest rate determined pursuant to 28 U.S.C. § 1961. The judgment included four different components: (1) common law damages of approximately \$109 million; (2) prejudgment interest on common law damages of approximately \$191 million; (3) False Claims Act treble damages of approximately \$357 million; and (4) the civil penalty of approximately \$7 million. The penalty component of the judgment previously was affirmed by the United States Court of Appeals in 2010.

We filed an appeal from the judgment to the United States Court of Appeals for the Sixth Circuit on August 26, 2013. On April 6, 2015, the Sixth Circuit reversed the trial court's decision and vacated the prior damages award, noting that the government did not prove any damages. The court rejected as a matter of law the evidence submitted by the government on damages and remanded the case to the District Court to decide in the first instance whether the government should have another opportunity to prove that it suffered any actual damages.

On July 17, 2015, the case returned to the District Court, at which time we filed a motion for entry of judgment, seeking a judgment of zero actual damages. The government responded by filing a motion on August 28, 2015, in which it abandoned its claim for actual damages, but now seeks a judgment of approximately \$85 million, representing (1) disgorgement of UTC's alleged profits in fiscal year 1985, the first year of the multi-year engine competition, (2) prejudgment interest and (3) the approximately \$7 million civil penalty.

We believe that there is no basis for the government's new profit disgorgement claim. Accordingly, we continue not to accrue a reserve beyond the civil penalty referenced above.

Cost Accounting Standards Claim

By letter dated December 24, 2013, a Divisional Administrative Contracting Officer of the United States Defense Contract Management Agency asserted a claim and demand for payment of approximately \$211 million against Pratt & Whitney. The

claim is based on Pratt & Whitney's alleged noncompliance with cost accounting standards from January 1, 2005 to December 31, 2012, due to its method of determining the cost of collaborator parts used in the calculation of material overhead costs for government contracts. On March 18, 2014, Pratt & Whitney filed an appeal to the Armed Services Board of Contract Appeals. Pratt & Whitney's appeal is still pending and we continue to believe the government's claim is without merit.

German Tax Litigation

As previously disclosed, UTC has been involved in administrative review proceedings with the German Tax Office, which concern approximately €215 million (approximately \$235 million) of tax benefits that we have claimed related to a 1998 reorganization of the corporate structure of Otis operations in Germany. Upon audit, these tax benefits were disallowed by the German Tax Office. UTC estimates interest associated with the aforementioned tax benefits is an additional approximately €118 million (approximately \$129 million). On August 3, 2012, we filed suit in the local German Tax Court (Berlin-Brandenburg). In 2008 the German Federal Tax Court (FTC) denied benefits to another taxpayer in a case involving a German tax law relevant to our reorganization. The determination of the FTC on this other matter was appealed to the European Court of Justice (ECJ) to determine if the underlying German tax law is violative of European Union principles. On September 17, 2009, the ECJ issued an opinion in this case that is generally favorable to the other taxpayer and referred the case back to the FTC for further consideration of certain related issues. In May 2010, the FTC released its decision, in which it resolved certain tax issues that may be relevant to our suit and remanded the case to a lower court for further development. In 2012, the lower court decided in favor of the other taxpayer and the German Government again appealed the findings to the FTC. In November 2014, the FTC ruled in favor of the German Government, and against the other taxpayer. We believe that the FTC decision in the case involving the other taxpayer is not determinative of the outcome in our case, and we will continue vigorously to litigate the matter. However, in light of the FTC decision in the case involving the other taxpayer, we fully accrued for the matter during the quarter ended December 31, 2014. While we continue to litigate the matter at the local German Tax Court, UTC made tax and interest payments to German tax authorities of €275 million (approximately \$300 million) through December 31, 2015 to avoid additional interest accruals pending final resolution of this matter.

Asbestos Matters

As previously reported, like many other industrial companies, we and our subsidiaries have been named as defendants in lawsuits alleging personal injury as a result of exposure to asbestos integrated into certain of our products or business premises. While we have never manufactured asbestos and no longer incorporate it in any currently-manufactured products, certain of our historical products, like those of many other manufacturers, have contained components incorporating asbestos. A substantial majority of these asbestos-related claims have been dismissed without payment or were covered in full or in part by insurance or other forms of indemnity. Additional cases were litigated and settled without any insurance reimbursement. The amounts involved in asbestos related claims were not material individually or in the aggregate in any year.

During the fourth quarter of 2015, we recorded a liability for the contingencies associated with pending and unasserted future asbestos claims because the aggregate amounts involved are now reasonably estimable due to the definitization of the insurance coverage for existing and potential future asbestos claims through the negotiation and establishment of settlement agreements during 2015 as well as the stabilization of company and industry experience. Over the past few years, we have been engaged in disputes with insurance carriers, particularly those having issued excess general liability insurance from the mid-1950s through the mid-1980s, regarding the extent of coverage available for asbestos-related personal injury claims. We commenced two separate insurance coverage litigations against excess insurers - one lawsuit in Ohio on behalf of Goodrich Corporation and the other in New York on behalf of Carrier Corporation. The level of activity in the insurance coverage lawsuits increased significantly in 2015, causing us to intensify our on-going review of our history and experience with asbestos-related claims. In particular, we have been working extensively with outside counsel and actuarial experts to calculate past asbestos-related losses in order to demonstrate exhaustion of primary layers of insurance and prove past damages, as well as to show that future asbestos-related losses would likely trigger excess insurance policies. We recently reached binding settlement agreements with all of the Goodrich excess insurers, and reached a settlement with the largest block of available solvent excess insurance coverage issued to Carrier Corporation.

As a result of these settlements in the coverage litigations, pursuant to each of which we will annually absorb uninsured asbestos claims costs, and with the assistance of an outside actuarial expert, we are now able to make a reasonable estimate of the probable range of the total liability for pending and unasserted future asbestos related claims. This determination was based not only on our analysis of our own asbestos claims history for the last five years and our contractual insurance coverage litigations, but also on broader nationwide asbestos trend data, including: a substantial drop in non-malignant asbestos claims; an increasing focus on malignancy claims, primarily those involving mesothelioma, a cancer that now has an historical and fairly predictable future annual incidence rate; and a substantial decrease in average annual claim filings.

We have estimated and recorded our total liability to resolve all pending and unasserted potential future claims through 2059 to be \$376 million. This amount is on a pre-tax basis, not discounted, and excludes the Company's defense fees (which will continue to be expensed by the Company as they are incurred).

In addition, during the fourth quarter of 2015 the Company recorded a \$106 million insurance recovery receivable for probable asbestos related recoveries. In calculating this amount, the Company used the estimated asbestos liability for pending and projected future claims and considered the amount of insurance available, allocation methodologies, solvency ratings, creditworthiness, and the contractual terms with each insurer. As a result, we recorded a noncash pretax charge to earnings of \$237 million in the fourth quarter of 2015.

The amounts recorded by UTC for asbestos-related claims are based on currently available information and assumptions that we believe are reasonable. Our actual liabilities or insurance recoveries could be higher or lower than those recorded if actual results vary significantly from the assumptions. Key variables in these assumptions include the number and type of new claims to be filed each year, the average cost of resolution of each new claim, the resolution of coverage issues with other excess insurance carriers with whom we have not yet achieved settlements, and the solvency risk with respect to our insurance carriers. Other factors that may affect our future liability include uncertainties surrounding the litigation process from jurisdiction to jurisdiction and from case to case, reforms that may be made by state and federal courts, and the passage of state or federal tort reform legislation.

Other.

As described in Note 16 to the Consolidated Financial Statements, we extend performance and operating cost guarantees beyond our normal warranty and service policies for extended periods on some of our products. We have accrued our estimate of the liability that may result under these guarantees and for service costs that are probable and can be reasonably estimated.

We have accrued for environmental investigatory, remediation, operating and maintenance costs, performance guarantees and other litigation and claims based on our estimate of the probable outcome of these matters. While it is possible that the outcome of these matters may differ from the recorded liability, we believe that resolution of these matters will not have a material impact on our competitive position, results of operations, cash flows or financial condition.

We also have other commitments and contingent liabilities related to legal proceedings, self-insurance programs and matters arising out of the normal course of business. We accrue contingencies based upon a range of possible outcomes. If no amount within this range is a better estimate than any other, then we accrue the minimum amount.

In the ordinary course of business, the Company and its subsidiaries are also routinely defendants in, parties to or otherwise subject to many pending and threatened legal actions, claims, disputes and proceedings. These matters are often based on alleged violations of contract, product liability, warranty, regulatory, environmental, health and safety, employment, intellectual property, tax and other laws. In some of these proceedings, claims for substantial monetary damages are asserted against the Company and its subsidiaries and could result in fines, penalties, compensatory or treble damages or non-monetary relief. We do not believe that these matters will have a material adverse effect upon our competitive position, results of operations, cash flows or financial condition.

NOTE 18: SEGMENT FINANCIAL DATA

Our operations for the periods presented herein are classified into four principal segments. The segments are generally determined based on the management structure of the businesses and the grouping of similar operating companies, where each management organization has general operating autonomy over diversified products and services.

As discussed in Note 3, on November 6, 2015, we completed the sale of Sikorsky to Lockheed Martin Corp. The tables below exclude amounts attributable to Sikorsky, which have been reclassified to Discontinued Operations in the accompanying Consolidated Statement of Operations and to Assets held for sale in the accompanying Consolidated Balance Sheet for all periods presented.

Otis products include elevators, escalators, moving walkways and service sold to customers in the commercial and residential property industries around the world.

UTC Climate, Controls & Security products and related services include HVAC and refrigeration systems, building controls and automation, fire and special hazard suppression systems and equipment, security monitoring and rapid response systems, provided to a diversified international customer base principally in the industrial, commercial and residential property and commercial transportation sectors.

Pratt & Whitney products include commercial, military, business jet and general aviation aircraft engines, parts and services, industrial gas generators, sold to a diversified customer base, including international and domestic commercial airlines and

aircraft leasing companies, aircraft manufacturers, and U.S. and foreign governments. Pratt & Whitney also provides product support and a full range of overhaul, repair and fleet management services.

UTC Aerospace Systems provides aerospace products and aftermarket services for commercial, military, business jet and general aviation customers worldwide. Products include electric power generation, power management and distribution systems, air data and flight sensing and management systems, engine control systems, electric systems, intelligence, surveillance and reconnaissance systems, engine components, environmental control systems, fire and ice detection and protection systems, propeller systems, aircraft aerostructures including engine nacelles, thrust reversers, and mounting pylons, interior and exterior aircraft lighting, aircraft seating and cargo systems, actuation systems, landing systems, including landing gears, wheels and brakes, and space products and subsystems. Aftermarket services include spare parts, overhaul and repair, engineering and technical support and fleet management solutions.

We have reported our financial and operational results for the periods presented herein under the four principal segments noted above, consistent with how we have reviewed our business operations for decision-making purposes, resource allocation and performance assessment during 2015.

Segment Information. Total sales by segment include intersegment sales, which are generally made at prices approximating those that the selling entity is able to obtain on external sales. Segment information for the years ended December 31 is as follows:

<i>(dollars in millions)</i>	Net Sales			Operating Profits		
	2015	2014	2013	2015	2014	2013
Otis	\$ 11,980	\$ 12,982	\$ 12,484	\$ 2,338	\$ 2,640	\$ 2,590
UTC Climate, Controls & Security	16,707	16,823	16,809	2,936	2,782	2,590
Pratt & Whitney	14,082	14,508	14,501	861	2,000	1,876
UTC Aerospace Systems	14,094	14,215	13,347	1,888	2,355	2,018
Total segment	56,863	58,528	57,141	8,023	9,777	9,074
Eliminations and other	(765)	(628)	(541)	(268)	304	(44)
General corporate expenses	—	—	—	(464)	(488)	(481)
Consolidated	\$ 56,098	\$ 57,900	\$ 56,600	\$ 7,291	\$ 9,593	\$ 8,549

<i>(dollars in millions)</i>	Total Assets			Capital Expenditures			Depreciation & Amortization		
	2015	2014	2013	2015	2014	2013	2015	2014	2013
Otis	\$ 8,846	\$ 9,313	\$ 9,354	\$ 83	\$ 87	\$ 122	\$ 176	\$ 209	\$ 209
UTC Climate, Controls & Security	21,287	21,217	21,543	261	228	266	337	349	380
Pratt & Whitney	20,336	18,143	17,062	692	692	617	476	390	319
UTC Aerospace Systems	34,736	35,034	35,461	537	533	510	796	807	761
Total segment	85,205	83,707	83,420	1,573	1,540	1,515	1,785	1,755	1,669
Eliminations and other	2,279	2,631	1,609	79	54	54	78	65	66
Consolidated	\$ 87,484	\$ 86,338	\$ 85,029	\$ 1,652	\$ 1,594	\$ 1,569	\$ 1,863	\$ 1,820	\$ 1,735

Geographic External Sales and Operating Profit. Geographic external sales and operating profits are attributed to the geographic regions based on their location of origin. U.S. external sales include export sales to commercial customers outside the U.S. and sales to the U.S. Government, commercial and affiliated customers, which are known to be for resale to customers outside the U.S. Long-lived assets are net fixed assets attributed to the specific geographic regions.

<i>(dollars in millions)</i>	External Net Sales			Operating Profits			Long-Lived Assets		
	2015	2014	2013	2015	2014	2013	2015	2014	2013
United States Operations	\$ 30,989	\$ 30,814	\$ 29,901	\$ 4,391	\$ 5,067	\$ 4,272	\$ 4,517	\$ 4,211	\$ 3,918
International Operations									
Europe	10,945	12,587	12,589	1,882	2,238	2,333	1,525	1,577	1,715
Asia Pacific	8,425	8,746	8,626	1,641	1,712	1,770	994	995	939
Other	5,584	5,511	5,269	109	760	699	1,273	1,379	1,199
Eliminations and other	155	242	215	(732)	(184)	(525)	423	430	427
Consolidated	\$ 56,098	\$ 57,900	\$ 56,600	\$ 7,291	\$ 9,593	\$ 8,549	\$ 8,732	\$ 8,592	\$ 8,198

Sales from U.S. operations include export sales as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Europe	\$ 4,366	\$ 4,137	\$ 3,931
Asia Pacific	2,902	3,469	3,963
Other	2,473	2,670	2,565
	\$ 9,741	\$ 10,276	\$ 10,459

Major Customers. Net Sales include sales under prime contracts and subcontracts to the U.S. Government, primarily related to Pratt & Whitney and UTC Aerospace Systems products, as follows:

<i>(dollars in millions)</i>	2015	2014	2013
Pratt & Whitney	\$ 2,945	\$ 3,126	\$ 3,559
UTC Aerospace Systems	2,409	2,459	2,530
Other	276	294	253
	\$ 5,630	\$ 5,879	\$ 6,342

Net sales by Sikorsky under prime contracts and subcontracts to the U.S. Government of approximately \$3.1 billion, \$3.8 billion and \$3.6 billion have been reclassified to Discontinued Operations in our Consolidated Statement of Operations for the years ended December 31, 2015, 2014 and 2013, respectively.

Net sales to Airbus, primarily related to Pratt & Whitney and UTC Aerospace Systems products, were approximately \$7,624 million, \$7,757 million and \$6,171 million for the years ended December 31, 2015, 2014 and 2013, respectively.

SELECTED QUARTERLY FINANCIAL DATA (UNAUDITED)

<i>(dollars in millions, except per share amounts)</i>	2015 Quarters				2014 Quarters			
	First	Second	Third	Fourth	First	Second	Third	Fourth
Net Sales	\$ 13,320	\$ 14,690	\$ 13,788	\$ 14,300	\$ 13,439	\$ 14,868	\$ 14,613	\$ 14,980
Gross margin	3,814	4,218	3,988	3,647	3,857	4,448	4,448	4,249
Net income attributable to common shareowners	1,426	1,542	1,362	3,278	1,213	1,680	1,854	1,473
Earnings per share of Common Stock:								
Basic—net income	\$ 1.60	\$ 1.76	\$ 1.55	\$ 3.86	\$ 1.35	\$ 1.87	\$ 2.07	\$ 1.64
Diluted—net income	\$ 1.58	\$ 1.73	\$ 1.54	\$ 3.86	\$ 1.32	\$ 1.84	\$ 2.04	\$ 1.62

COMPARATIVE STOCK DATA (UNAUDITED)

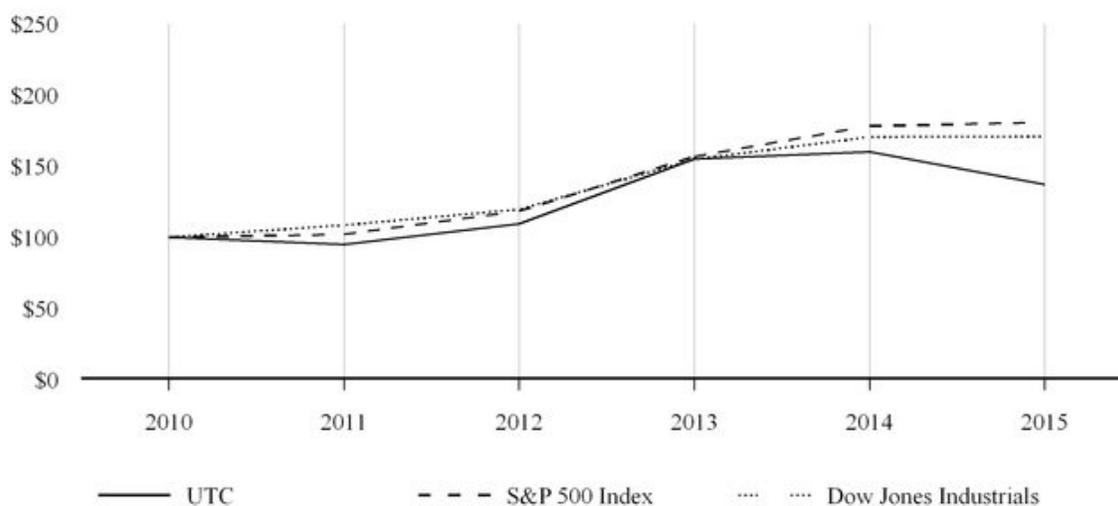
<i>(common stock)</i>	2015			2014		
	High	Low	Dividend	High	Low	Dividend
First quarter	\$ 124.11	\$ 111.52	\$ 0.64	\$ 118.31	\$ 107.91	\$ 0.59
Second quarter	\$ 119.14	\$ 110.93	\$ 0.64	\$ 120.09	\$ 113.10	\$ 0.59
Third quarter	\$ 111.58	\$ 86.82	\$ 0.64	\$ 115.93	\$ 103.79	\$ 0.59
Fourth quarter	\$ 100.80	\$ 88.36	\$ 0.64	\$ 117.24	\$ 99.17	\$ 0.59

Our common stock is listed on the New York Stock Exchange. The high and low prices are based on the Composite Tape of the New York Stock Exchange. There were approximately 20,097 registered shareholders at January 31, 2016 .

PERFORMANCE GRAPH (UNAUDITED)

The following graph presents the cumulative total shareholder return for the five years ending December 31, 2015 for our common stock, as compared to the Standard & Poor's 500 Stock Index and to the Dow Jones 30 Industrial Average. Our common stock price is a component of both indices. These figures assume that all dividends paid over the five-year period were reinvested, and that the starting value of each index and the investment in common stock was \$100.00 on December 31, 2010 .

COMPARISON OF CUMULATIVE FIVE YEAR TOTAL RETURN



	December					
	2010	2011	2012	2013	2014	2015
United Technologies Corporation	\$ 100.00	\$ 95.03	\$ 109.38	\$ 155.18	\$ 160.13	\$ 137.06
S&P 500 Index	\$ 100.00	\$ 102.11	\$ 118.45	\$ 156.82	\$ 178.29	\$ 180.75
Dow Jones Industrial Average	\$ 100.00	\$ 108.38	\$ 119.48	\$ 154.91	\$ 170.46	\$ 170.83

United Technologies Corporation
Subsidiary and Affiliate Listing
December 31, 2015

Exhibit 21

<u>Entity Name</u>	<u>Place of Incorporation</u>
3234808 Nova Scotia Limited	Nova Scotia
Allyn Holdings, Inc.	Delaware
Arabian Air Conditioning Company	Saudi Arabia
Augusta (Gibraltar) Holdings I Limited	Gibraltar
Augusta (Gibraltar) Holdings II S.C.S.	Grand-Duchy of Luxembourg
Auxiliary Power International Corporation	Delaware
Beesail Limited	England
Belgium Parkview BVBA	Belgium
Berkeley Luxembourg S.à r.l.	Grand-Duchy of Luxembourg
Blades Technology International, Inc.	Delaware
Blades Technology Ltd.	Israel
Bridgecam (Ireland) Limited	Ireland
Cambridge Luxembourg S.à r.l.	Grand-Duchy of Luxembourg
Caricor Ltd.	Delaware
Carrier Asia Limited	Hong Kong
Carrier Commercial Refrigeration, Inc.	Delaware
Carrier Corporation	Delaware
Carrier Enterprise, LLC	Delaware
Carrier HVACR Investments B.V.	Netherlands
Carrier Technologies ULC	Alberta
Ceesail Limited	England
Chubb Fire & Security Limited	England
Chubb Fire & Security Pty Ltd	Australia
Chubb Fire Limited	England
Chubb Group Limited	England
Chubb Group Security Limited	England
Chubb International (Netherlands) BV	Netherlands
Chubb International Holdings Limited	England
Chubb Limited	England
Chubb Nederland B.V.	Netherlands
Chubb Security Holdings Australia Pty Ltd	Australia
Chubb Systems Limited	United Kingdom
Commonwealth Luxembourg Holdings S.à r.l.	Grand-Duchy of Luxembourg
CTU of Delaware (formerly Mostek)	Delaware
Delavan Inc.	Delaware
Detector Electronics Corporation	Minnesota
Devonshire Switzerland Holdings GmbH	Switzerland
Elevadores Otis Ltda.	Brazil
Empresas Carrier, S. De R.L. De C.V.	Mexico
Fynetics (Hong Kong) Limited	Hong Kong

United Technologies Corporation
Subsidiary and Affiliate Listing
December 31, 2015

<u>Entity Name</u>	<u>Place of Incorporation</u>
Goodrich Aerospace Canada Ltd	Ontario
Goodrich Aftermarket Services Limited	United Kingdom
Goodrich Control Systems Ltd	Ontario
Goodrich Corporation	New York
Goodrich Inertial Limited	United Kingdom
Goodrich Landing Gear, LLC	Delaware
Goodrich Limited	United Kingdom
Goodrich Pump & Engine Control Systems, Inc.	Delaware
Goodrich Systems Limited	United Kingdom
Goodrich XCH Luxembourg B.V./S.a.r.l.	Netherlands
Gulf Security Technology Company Limited	China
Hamilton Sundstrand Aviation Services, Inc.	Delaware
Hamilton Sundstrand Corporation	Delaware
Hamilton Sundstrand Holdings, Inc.	Delaware
Hamilton Sundstrand International Holdings (Luxembourg) S.à r.l.	Grand-Duchy of Luxembourg
HEJ Holding, Inc.	Delaware
IAE International Aero Engines AG	Switzerland
JMS I Corporation	Delaware
Kidde Fire Protection Inc.	Delaware
Kidde Graviner Limited	England
Kidde Holdings Limited	England
Kidde International Limited	England
Kidde Products Limited	England
Kidde Technologies Inc.*	Delaware
Kidde UK	England
Kidde US Holdings Inc.	Delaware
KNA Inc.	Delaware
Latin American Holding, Inc.	Delaware
Netherlands Parkview Coöperatief U.A.	Netherlands
Nippon Otis Elevator Company	Japan
Noresco, LLC	Delaware
NSI, Inc.	Delaware
Otis Elevator (China) Company Limited	China
Otis Elevator (China) Investment Company Limited	China
Otis Elevator Company	New Jersey
Otis Elevator Company (India) Limited	India
Otis Elevator Korea	Korea, Republic of
Otis Far East Holdings Limited	Hong Kong
Otis Holdings GmbH & Co. OHG	Germany
Otis International Holdings GmbH	Germany

United Technologies Corporation
Subsidiary and Affiliate Listing
December 31, 2015

<u>Entity Name</u>	<u>Place of Incorporation</u>
Otis Investments Limited	England
Otis Limited	England
Otis Pacific Holdings B.V.	Netherlands
Otis S.C.S.	France
Parkview Participations LLC	Delaware
Parkview Treasury Services (UK) Limited	United Kingdom
Pratt & Whitney Aero Engines International GmbH	Switzerland
Pratt & Whitney Aero Engines International Services GmbH	Switzerland
Pratt & Whitney Canada Corp.	Nova Scotia
Pratt & Whitney Canada Holdings Ltd.	Nova Scotia
Pratt & Whitney Canada Leasing, Limited Partnership	Québec
Pratt & Whitney Component Solutions, Inc.	Michigan
Pratt & Whitney Compressor Airfoil Holdings, Inc.	Delaware
Pratt & Whitney Engine Leasing, LLC	Delaware
Pratt & Whitney Holdings LLC	Cayman Islands
Pratt & Whitney Rzeszow S.A.	Poland
Pratt Aero Limited Partnership	Nova Scotia
Ratier-Figeac, SAS	France
Rohr, Inc.	Delaware
Rosemount Aerospace Inc.	Delaware
Sensitech Inc.	Delaware
SICLI Holding SAS	France
Simmonds Precision Products, Inc.	New York
Sirius (Korea) Limited	England
South American Coöperatief U.A.	Netherlands
Trenton Luxembourg S.à r.l.	Grand-Duchy of Luxembourg
Trumbull Holdings SCS	France
United Technologies Australia Holdings Limited	Australia
United Technologies Canada, Ltd.	New Brunswick
United Technologies Corporation [DE]	Delaware
United Technologies Cortran, Inc.	Delaware
United Technologies Electronic Controls, Inc.	Delaware
United Technologies Far East Limited	Hong Kong
United Technologies Finance (U.K.) Limited	England
United Technologies France SAS	France
United Technologies Holding GmbH	Germany
United Technologies Holdings Italy Srl	Italy
United Technologies Holdings Limited	England
United Technologies Holdings SAS	France
United Technologies Intercompany Lending Ireland Limited	Ireland

United Technologies Corporation
Subsidiary and Affiliate Listing
December 31, 2015

<u>Entity Name</u>	<u>Place of Incorporation</u>
United Technologies International Corporation	Delaware
United Technologies International Corporation-Asia Private Limited	Singapore
United Technologies International SAS	France
United Technologies Luxembourg S.à r.l.	Grand-Duchy of Luxembourg
United Technologies Paris SNC	France
United Technologies South Asia Pacific Pte. Ltd	Singapore
UT Finance Corporation	Delaware
UT Luxembourg Holding II S.à r.l.	Grand-Duchy of Luxembourg
UT Park View, Inc.	Delaware
UTC (US) LLC	Delaware
UTC Canada Corporation	New Brunswick
UTC Corporation	Delaware
UTC Fire & Security Americas Corporation, Inc.	Delaware
UTC Fire & Security Corporation	Delaware
UTC Fire & Security Luxembourg S.a r.l.	Grand-Duchy of Luxembourg
UTC Investments Australia Pty Limited	Australia
UTCL Holdings, Limited	New Brunswick
UTCL Investments B.V.	Netherlands
UTX Holdings S.C.S.	France
Walter Kidde Portable Equipment Inc.	Delaware
Xizi Otis Elevator Company Limited	China
Zardoya Otis, S.A.	Spain

* Kidde Technologies Inc. also conducts business as Kidde Aerospace & Defense, Fenwal Safety Systems and Kidde Dual Spectrum.

Other subsidiaries of the Registrant have been omitted from this listing since, considered in the aggregate as a single subsidiary, they would not constitute a significant subsidiary, as defined by Rule 1-02 of Regulation S-K.

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We hereby consent to the incorporation by reference in the Registration Statement on Form S-3 (No. 333-188957), and in the Registration Statements on Form S-8 (Nos. 333-207193, 333-197704, 333-183123, 333-177520, 333-175781, 333-150643, 333-125293, 333-110020, 333-100724, 333-100723, 333-100718 and 033-51385) of United Technologies Corporation of our report dated February 11, 2016 relating to the financial statements and the effectiveness of internal control over financial reporting, which appears in the Annual Report to Shareowners, which is incorporated in this Annual Report on Form 10-K. We also consent to the incorporation by reference of our report dated February 11, 2016 relating to the financial statement schedule, which appears on page S-I of this Form 10-K.

/s/ PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP
Hartford, Connecticut
February 11, 2016

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ JOHN V. FARACI

John V. Faraci

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ JEAN-PIERRE GARNIER

Jean-Pierre Garnier

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

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IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ EDWARD A. KANGAS

Edward A. Kangas

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

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IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ ELLEN J. KULLMAN

Ellen J. Kullman

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ MARSHALL O. LARSEN

Marshall O. Larsen

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

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IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ HAROLD W. MCGRAW III

Harold W. McGraw III

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ RICHARD B. MYERS

Richard B. Myers

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ FREDRIC G. REYNOLDS

Fredric G. Reynolds

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ BRIAN C. ROGERS

Brian C. Rogers

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ H. PATRICK SWYGERT

H. Patrick Swygert

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ ANDRÉ VILLENEUVE

André Villeneuve

UNITED TECHNOLOGIES CORPORATION
Power of Attorney

The undersigned, as a member of the Board of Directors, or as an officer of UNITED TECHNOLOGIES CORPORATION, a Delaware corporation (the "Corporation"), or as a member of a committee of said Board, or in all of said capacities, hereby constitutes and appoints CHARLES D. GILL, PETER J. GRABER-LIPPERMAN and AKHIL JOHRI, or any one of them, his or her true and lawful attorneys and agents to do any and all acts and things and execute any and all instruments which the said attorneys and agents may deem necessary or advisable to enable the Corporation to comply with the Securities Exchange Act of 1934 and any rules and regulations and requirements of the Securities and Exchange Commission in respect thereof in connection with the filing of the Annual Report of the Corporation on Form 10-K for the fiscal year ended December 31, 2015, including specifically, but without limiting the generality of the foregoing, the power and authority to sign the name of the undersigned, in the capacities aforesaid or in any other capacity, to such Form 10-K Annual Report filed or to be filed with the Securities and Exchange Commission, and any and all amendments to the said Form 10-K Annual Report, and any and all instruments and documents filed as a part of or in connection with the said Form 10-K Annual Report or any amendments thereto; hereby ratifying and confirming all that the said attorneys and agents, or any one of them, have done, shall do or cause to be done by virtue hereof.

IN WITNESS WHEREOF, the undersigned has signed this Power of Attorney this 8th day of February, 2016.

/s/ CHRISTINE TODD WHITMAN

Christine Todd Whitman

CERTIFICATION

I, Gregory J. Hayes, certify that:

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

Date: February 11, 2016

/s/ G REGORY J. H AYES

Gregory J. Hayes

President and Chief Executive Officer

CERTIFICATION

I, Akhil Johri, certify that:

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

Date: February 11, 2016

/s/ A KHIL J OHRI

Akhil Johri

Executive Vice President & Chief Financial Officer

CERTIFICATION

I, Neil G. Mitchill, Jr., certify that:

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

Date: February 11, 2016

/s/ N EIL G . M ITCHILL, J R.

Neil G. Mitchill, Jr.

Corporate Vice President, Controller

Section 1350 Certifications
Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
(Subsections (a) and (b) of Section 1350, Chapter 63 of Title 18, United States Code)

Pursuant to section 906 of the Sarbanes-Oxley Act of 2002 (subsections (a) and (b) of section 1350, chapter 63 of title 18, United States Code), each of the undersigned officers of United Technologies Corporation, a Delaware corporation (the "Corporation"), does hereby certify that:

The Annual Report on Form 10-K for the year ended December 31, 2015 (the "Form 10-K") of the Corporation fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934 and information contained in the Form 10-K fairly presents, in all material respects, the financial condition and results of operations of the Corporation.

Date: February 11, 2016

/s/ GREGORY J. HAYES

Gregory J. Hayes

President and Chief Executive Officer

Date: February 11, 2016

/s/ AKHIL J. OHRI

Akhil Johri

Executive Vice President & Chief Financial Officer

Date: February 11, 2016

/s/ NEIL G. MITCHILL, JR.

Neil G. Mitchill, Jr.

Corporate Vice President, Controller