

ENTERGY CORP /DE/
 Form 10-K
 February 26, 2019
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UNITED STATES
 SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

FORM 10-K

(Mark One)

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

For the Fiscal Year Ended December 31, 2018
 OR
 TRANSITION REPORT PURSUANT TO SECTION 13
 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission File Number	Registrant, State of Incorporation or Organization, Address of Principal Executive Offices, Telephone Number, and IRS Employer Identification No.	Commission File Number	Registrant, State of Incorporation or Organization, Address of Principal Executive Offices, Telephone Number, and IRS Employer Identification No.
1-11299	ENTERGY CORPORATION (a Delaware corporation) 639 Loyola Avenue New Orleans, Louisiana 70113 Telephone (504) 576-4000 72-1229752	1-35747	ENTERGY NEW ORLEANS, LLC (a Texas limited liability company) 1600 Perdido Street New Orleans, Louisiana 70112 Telephone (504) 670-3700 82-2212934
1-10764	ENTERGY ARKANSAS, LLC (a Texas limited liability company) 425 West Capitol Avenue Little Rock, Arkansas 72201 Telephone (501) 377-4000 83-1918668	1-34360	ENTERGY TEXAS, INC. (a Texas corporation) 10055 Grogans Mill Road The Woodlands, Texas 77380 Telephone (409) 981-2000 61-1435798
1-32718	ENTERGY LOUISIANA, LLC (a Texas limited liability company) 4809 Jefferson Highway Jefferson, Louisiana 70121	1-09067	SYSTEM ENERGY RESOURCES, INC. (an Arkansas corporation) 1340 Echelon Parkway

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Telephone (504) 576-4000
47-4469646

Jackson, Mississippi 39213
Telephone (601) 368-5000
72-0752777

1-31508
ENTERGY MISSISSIPPI, LLC
(a Texas limited liability company)
308 East Pearl Street
Jackson, Mississippi 39201
Telephone (601) 368-5000
83-1950019

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

Registrant	Title of Class	Name of Each Exchange on Which Registered
Entergy Corporation	Common Stock, \$0.01 Par Value – 189,580,512 shares outstanding at January 31, 2019	New York Stock Exchange, Inc. Chicago Stock Exchange, Inc.
Entergy Arkansas, LLC	Mortgage Bonds, 4.90% Series due December 2052	New York Stock Exchange, Inc.
	Mortgage Bonds, 4.75% Series due June 2063	New York Stock Exchange, Inc.
	Mortgage Bonds, 4.875% Series due September 2066	New York Stock Exchange, Inc.
Entergy Louisiana, LLC	Mortgage Bonds, 5.25% Series due July 2052	New York Stock Exchange, Inc.
	Mortgage Bonds, 4.70% Series due June 2063	New York Stock Exchange, Inc.
	Mortgage Bonds, 4.875% Series due September 2066	New York Stock Exchange, Inc.
Entergy Mississippi, LLC	Mortgage Bonds, 4.90% Series due October 2066	New York Stock Exchange, Inc.
Entergy New Orleans, LLC	Mortgage Bonds, 5.0% Series due December 2052	New York Stock Exchange, Inc.
	Mortgage Bonds, 5.50% Series due April 2066	New York Stock Exchange, Inc.
Entergy Texas, Inc.	Mortgage Bonds, 5.625% Series due June 2064	New York Stock Exchange, Inc.

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

Registrant	Title of Class
Entergy Texas, Inc.	Common Stock, no par value

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Indicate by check mark if the registrants are well-known seasoned issuers, as defined in Rule 405 of the Securities Act.

	Yes	No
Entergy Corporation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Arkansas, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Louisiana, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Mississippi, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy New Orleans, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Texas, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
System Energy Resources, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate by check mark if the registrants are not required to file reports pursuant to Section 13 or Section 15(d) of the Act.

	Yes	No
Entergy Corporation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Arkansas, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Louisiana, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Mississippi, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy New Orleans, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Entergy Texas, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
System Energy Resources, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate by check mark whether the registrants (1) have 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 registrants were required to file such reports), and (2) have been subject to such filing requirements for the past 90 days. Yes No

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

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrants' 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.

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Indicate by check mark whether each registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Securities Exchange Act of 1934.

	Large accelerated filer	Accelerated filer	Non- accelerated filer	Smaller reporting company	Emerging growth company
Entergy Corporation	<input checked="" type="checkbox"/>				
Entergy Arkansas, LLC			<input checked="" type="checkbox"/>		
Entergy Louisiana, LLC			<input checked="" type="checkbox"/>		
Entergy Mississippi, LLC			<input checked="" type="checkbox"/>		
Entergy New Orleans, LLC			<input checked="" type="checkbox"/>		
Entergy Texas, Inc.			<input checked="" type="checkbox"/>		
System Energy Resources, Inc.			<input checked="" type="checkbox"/>		

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

Indicate by check mark whether the registrants are shell companies (as defined in Rule 12b-2 of the Exchange Act.) Yes No

System Energy Resources, Inc. meets the requirements set forth in General Instruction I(1) of Form 10-K and is therefore filing this Form 10-K with reduced disclosure as allowed in General Instruction I(2). System Energy Resources, Inc. is reducing its disclosure by not including Part III, Items 10 through 13 in its Form 10-K.

The aggregate market value of Entergy Corporation Common Stock, \$0.01 Par Value, held by non-affiliates as of the end of the second quarter of 2018 was \$14.6 billion based on the reported last sale price of \$80.79 per share for such stock on the New York Stock Exchange on June 29, 2018. Entergy Corporation is the sole holder of the common stock of Entergy Texas, Inc. and System Energy Resources, Inc. Entergy Corporation is the direct and indirect holder of the common membership interests of Entergy Utility Holding Company, LLC, which is the sole holder of the common membership interests of Entergy Arkansas, LLC, Entergy Louisiana, LLC, Entergy Mississippi, LLC, and Entergy New Orleans, LLC.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the Proxy Statement of Entergy Corporation to be filed in connection with its Annual Meeting of Stockholders, to be held May 3, 2019, are incorporated by reference into Part III hereof.

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This combined Form 10-K is separately filed by Entergy Corporation and its six “Registrant Subsidiaries:” Entergy Arkansas, LLC, Entergy Louisiana, LLC, Entergy Mississippi, LLC, Entergy New Orleans, LLC, Entergy Texas, Inc., and System Energy Resources, Inc. Information contained herein relating to any individual company is filed by such company on its own behalf. Each company makes representations only as to itself and makes no other representations whatsoever as to any other company.

The report should be read in its entirety as it pertains to each respective reporting company. No one section of the report deals with all aspects of the subject matter. Separate Item 6, 7, and 8 sections are provided for each reporting company, except for the Notes to the financial statements. The Notes to the financial statements for all of the reporting companies are combined. All Items other than 6, 7, and 8 are combined for the reporting companies.

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FORWARD-LOOKING INFORMATION

In this combined report and from time to time, Entergy Corporation and the Registrant Subsidiaries each makes statements as a registrant concerning its expectations, beliefs, plans, objectives, goals, strategies, and future events or performance. Such statements are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Words such as “may,” “will,” “could,” “project,” “believe,” “anticipate,” “intend,” “expect,” “estimate,” “potential,” “plan,” “predict,” “forecast,” and other similar words or expressions are intended to identify forward-looking statements but are not the only means to identify these statements. Although each of these registrants believes that these forward-looking statements and the underlying assumptions are reasonable, it cannot provide assurance that they will prove correct. Any forward-looking statement is based on information current as of the date of this combined report and speaks only as of the date on which such statement is made. Except to the extent required by the federal securities laws, these registrants undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Forward-looking statements involve a number of risks and uncertainties. There are factors that could cause actual results to differ materially from those expressed or implied in the forward-looking statements, including (a) those factors discussed or incorporated by reference in Item 1A. Risk Factors, (b) those factors discussed or incorporated by reference in Management’s Financial Discussion and Analysis, and (c) the following factors (in addition to others described elsewhere in this combined report and in subsequent securities filings):

- resolution of pending and future rate cases, formula rate proceedings and related negotiations, including various performance-based rate discussions, Entergy’s utility supply plan, and recovery of fuel and purchased power costs; long-term risks and uncertainties associated with the termination of the System Agreement in 2016, including the potential absence of federal authority to resolve certain issues among the Utility operating companies and their retail regulators;
- regulatory and operating challenges and uncertainties and economic risks associated with the Utility operating companies’ participation in MISO, including the benefits of continued MISO participation, the effect of current or projected MISO market rules and market and system conditions in the MISO markets, the allocation of MISO system transmission upgrade costs, and the effect of planning decisions that MISO makes with respect to future transmission investments by the Utility operating companies;
- changes in utility regulation, including with respect to retail and wholesale competition, the ability to recover net utility assets and other potential stranded costs, and the application of more stringent transmission reliability requirements or market power criteria by the FERC or the U.S. Department of Justice;
- changes in the regulation or regulatory oversight of Entergy’s nuclear generating facilities and nuclear materials and fuel, including with respect to the planned, potential, or actual shutdown of nuclear generating facilities owned or operated by Entergy Wholesale Commodities, and the effects of new or existing safety or environmental concerns regarding nuclear power plants and nuclear fuel;
- resolution of pending or future applications, and related regulatory proceedings and litigation, for license modifications or other authorizations required of nuclear generating facilities and the effect of public and political opposition on these applications, regulatory proceedings, and litigation;
- the performance of and deliverability of power from Entergy’s generation resources, including the capacity factors at Entergy’s nuclear generating facilities;
- increases in costs and capital expenditures that could result from changing regulatory requirements, emerging operating and industry issues, and the commitment of substantial human and capital resources required for the safe and reliable operation and maintenance of Entergy’s nuclear generating facilities;
- Entergy’s ability to develop and execute on a point of view regarding future prices of electricity, natural gas, and other energy-related commodities;
- prices for power generated by Entergy’s merchant generating facilities and the ability to hedge, meet credit support requirements for hedges, sell power forward or otherwise reduce the market price risk associated with those facilities,

including the Entergy Wholesale Commodities nuclear plants, especially in light of the planned shutdown or sale of each of these nuclear plants;
• the prices and availability of fuel and power Entergy must purchase for its Utility customers, and Entergy's ability to meet credit support requirements for fuel and power supply contracts;

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FORWARD-LOOKING INFORMATION (Continued)

volatility and changes in markets for electricity, natural gas, uranium, emissions allowances, and other energy-related commodities, and the effect of those changes on Entergy and its customers;

changes in law resulting from federal or state energy legislation or legislation subjecting energy derivatives used in hedging and risk management transactions to governmental regulation;

- changes in environmental laws and regulations, agency positions or associated litigation, including requirements for reduced emissions of sulfur dioxide, nitrogen oxide, greenhouse gases, mercury, particulate matter and other regulated air emissions, heat and other regulated discharges to water, requirements for waste management and disposal and for the remediation of contaminated sites, wetlands protection and permitting, and changes in costs of compliance with environmental laws and regulations;

changes in laws and regulations, agency positions, or associated litigation related to protected species and associated critical habitat designations;

the effects of changes in federal, state, or local laws and regulations, and other governmental actions or policies, including changes in monetary, fiscal, tax, environmental, trade/tariff, or energy policies;

the effects of full or partial shutdowns of the federal government or delays in obtaining government or regulatory actions or decisions;

uncertainty regarding the establishment of interim or permanent sites for spent nuclear fuel and nuclear waste storage and disposal and the level of spent fuel and nuclear waste disposal fees charged by the U.S. government or other providers related to such sites;

variations in weather and the occurrence of hurricanes and other storms and disasters, including uncertainties associated with efforts to remediate the effects of hurricanes, ice storms, or other weather events and the recovery of costs associated with restoration, including accessing funded storm reserves, federal and local cost recovery mechanisms, securitization, and insurance;

effects of climate change, including the potential for increases in extreme weather events and sea levels or coastal land and wetland loss;

changes in the quality and availability of water supplies and the related regulation of water use and diversion;

Entergy's ability to manage its capital projects and operation and maintenance costs;

Entergy's ability to purchase and sell assets at attractive prices and on other attractive terms;

the economic climate, and particularly economic conditions in Entergy's Utility service area and the northern United States and events and circumstances that could influence economic conditions in those areas, including power prices, and the risk that anticipated load growth may not materialize;

federal income tax reform, including the enactment of the Tax Cuts and Jobs Act, and its intended and unintended consequences on financial results and future cash flows;

the effects of Entergy's strategies to reduce tax payments, especially in light of federal income tax reform;

changes in the financial markets and regulatory requirements for the issuance of securities, particularly as they affect access to capital and Entergy's ability to refinance existing securities, execute share repurchase programs, and fund investments and acquisitions;

actions of rating agencies, including changes in the ratings of debt and preferred stock, changes in general corporate ratings, and changes in the rating agencies' ratings criteria;

changes in inflation and interest rates;

the effect of litigation and government investigations or proceedings;

changes in technology, including (i) Entergy's ability to implement new or emerging technologies, (ii) the impact of changes relating to new, developing, or alternative sources of generation such as distributed energy and energy storage, renewable energy, energy efficiency, demand side management and other measures that reduce load, and (iii) competition from other companies offering products and services to Entergy's customers based on new or emerging technologies or alternative sources of generation;

the effects, including increased security costs, of threatened or actual terrorism, cyber-attacks or data security breaches, natural or man-made electromagnetic pulses that affect transmission or generation infrastructure, accidents,

and war or a catastrophic event such as a nuclear accident or a natural gas pipeline explosion;
• Entergy's ability to attract and retain talented management, directors, and employees with specialized skills;
• changes in accounting standards and corporate governance;
• declines in the market prices of marketable securities and resulting funding requirements and the effects on benefits costs for Entergy's defined benefit pension and other postretirement benefit plans;

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FORWARD-LOOKING INFORMATION (Concluded)

future wage and employee benefit costs, including changes in discount rates and returns on benefit plan assets; changes in decommissioning trust fund values or earnings or in the timing of, requirements for, or cost to decommission Entergy's nuclear plant sites and the implementation of decommissioning of such sites following shutdown;

the decision to cease merchant power generation at all Entergy Wholesale Commodities nuclear power plants by mid-2022, including the implementation of the planned shutdowns of Pilgrim, Indian Point 2, Indian Point 3, and Palisades;

the effectiveness of Entergy's risk management policies and procedures and the ability and willingness of its counterparties to satisfy their financial and performance commitments;

factors that could lead to impairment of long-lived assets; and

the ability to successfully complete strategic transactions Entergy may undertake, including mergers, acquisitions, divestitures, or restructurings, regulatory or other limitations imposed as a result of any such strategic transaction, and the success of the business following any such strategic transaction.

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DEFINITIONS

Certain abbreviations or acronyms used in the text and notes are defined below:

Abbreviation or Acronym	Term
AFUDC	Allowance for Funds Used During Construction
ALJ	Administrative Law Judge
ANO 1 and 2	Units 1 and 2 of Arkansas Nuclear One (nuclear), owned by Entergy Arkansas
APSC	Arkansas Public Service Commission
ASU	Accounting Standards Update issued by the FASB
Board	Board of Directors of Entergy Corporation
Cajun	Cajun Electric Power Cooperative, Inc.
capacity factor	Actual plant output divided by maximum potential plant output for the period
City Council	Council of the City of New Orleans, Louisiana
D.C. Circuit	U.S. Court of Appeals for the District of Columbia Circuit
DOE	United States Department of Energy
Entergy	Entergy Corporation and its direct and indirect subsidiaries
Entergy Corporation	Entergy Corporation, a Delaware corporation
Entergy Gulf States, Inc.	Predecessor company for financial reporting purposes to Entergy Gulf States Louisiana that included the assets and business operations of both Entergy Gulf States Louisiana and Entergy Texas Entergy Gulf States Louisiana, L.L.C., a Louisiana limited liability company formally created as part of the jurisdictional separation of Entergy Gulf States, Inc. and the successor company to Entergy Gulf States, Inc. for financial reporting purposes. The term is also used to refer to the Louisiana jurisdictional business of Entergy Gulf States, Inc., as the context requires. Effective October 1, 2015, the business of Entergy Gulf States Louisiana was combined with Entergy Louisiana. Entergy Louisiana, LLC, a Texas limited liability company formally created as part of the combination of Entergy Gulf States Louisiana and the company formerly known as Entergy Louisiana, LLC (Old Entergy Louisiana) into a single public utility company and the successor to Old Entergy Louisiana for financial reporting purposes.
Entergy Gulf States Louisiana	
Entergy Louisiana	Entergy Louisiana, LLC (Old Entergy Louisiana) into a single public utility company and the successor to Old Entergy Louisiana for financial reporting purposes.
Entergy Texas	Entergy Texas, Inc., a Texas corporation formally created as part of the jurisdictional separation of Entergy Gulf States, Inc. The term is also used to refer to the Texas jurisdictional business of Entergy Gulf States, Inc., as the context requires.
Entergy Wholesale Commodities	Entergy's non-utility business segment primarily comprised of the ownership, operation, and decommissioning of nuclear power plants, the ownership of interests in non-nuclear power plants, and the sale of the electric power produced by its operating power plants to wholesale customers
EPA	United States Environmental Protection Agency
ERCOT	Electric Reliability Council of Texas
FASB	Financial Accounting Standards Board
FERC	Federal Energy Regulatory Commission
FitzPatrick	James A. FitzPatrick Nuclear Power Plant (nuclear), previously owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment, which was sold in March 2017
Grand Gulf GWh	Unit No. 1 of Grand Gulf Nuclear Station (nuclear), 90% owned or leased by System Energy Gigawatt-hour(s), which equals one million kilowatt-hours
Independence	Independence Steam Electric Station (coal), owned 16% by Entergy Arkansas, 25% by Entergy Mississippi, and 7% by Entergy Power, LLC

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DEFINITIONS (Continued)

Abbreviation or Acronym	Term
Indian Point 2	Unit 2 of Indian Point Energy Center (nuclear), owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment
Indian Point 3	Unit 3 of Indian Point Energy Center (nuclear), owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment
IRS	Internal Revenue Service
ISO	Independent System Operator
kV	Kilovolt
kW	Kilowatt, which equals one thousand watts
kWh	Kilowatt-hour(s)
LDEQ	Louisiana Department of Environmental Quality
LPSC	Louisiana Public Service Commission
Mcf	1,000 cubic feet of gas
MISO	Midcontinent Independent System Operator, Inc., a regional transmission organization
MMBtu	One million British Thermal Units
MPSC	Mississippi Public Service Commission
MW	Megawatt(s), which equals one thousand kilowatts
MWh	Megawatt-hour(s)
Nelson Unit 6	Unit No. 6 (coal) of the Nelson Steam Electric Generating Station, 70% of which is co-owned by Entergy Louisiana (57.5%) and Entergy Texas (42.5%) and 10.9% of which is owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment
Net debt to net capital ratio	Gross debt less cash and cash equivalents divided by total capitalization less cash and cash equivalents
Net MW in operation	Installed capacity owned and operated
NRC	Nuclear Regulatory Commission
NYPA	New York Power Authority
Palisades	Palisades Nuclear Plant (nuclear), owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment
Parent & Other	The portions of Entergy not included in the Utility or Entergy Wholesale Commodities segments, primarily consisting of the activities of the parent company, Entergy Corporation
Pilgrim	Pilgrim Nuclear Power Station (nuclear), owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment
PPA	Purchased power agreement or power purchase agreement
PRP	Potentially responsible party (a person or entity that may be responsible for remediation of environmental contamination)
PUCT	Public Utility Commission of Texas
Registrant Subsidiaries	Entergy Arkansas, LLC, Entergy Louisiana, LLC, Entergy Mississippi, LLC, Entergy New Orleans, LLC, Entergy Texas, Inc., and System Energy Resources, Inc.
River Bend	River Bend Station (nuclear), owned by Entergy Louisiana
RTO	Regional transmission organization
SEC	Securities and Exchange Commission

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DEFINITIONS (Concluded)

Abbreviation or Acronym	Term
System Agreement	Agreement, effective January 1, 1983, as modified, among the Utility operating companies relating to the sharing of generating capacity and other power resources. The agreement terminated effective August 2016.
System Energy	System Energy Resources, Inc.
TWh	Terawatt-hour(s), which equals one billion kilowatt-hours
Unit Power Sales Agreement	Agreement, dated as of June 10, 1982, as amended and approved by the FERC, among Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy New Orleans, and System Energy, relating to the sale of capacity and energy from System Energy's share of Grand Gulf
Utility	Entergy's business segment that generates, transmits, distributes, and sells electric power, with a small amount of natural gas distribution
Utility operating companies	Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy New Orleans, and Entergy Texas
Vermont Yankee	Vermont Yankee Nuclear Power Station (nuclear), owned by an Entergy subsidiary in the Entergy Wholesale Commodities business segment, which ceased power production in December 2014 and was sold in January 2019
Waterford 3	Unit No. 3 (nuclear) of the Waterford Steam Electric Station, owned by Entergy Louisiana
weather-adjusted usage	Electric usage excluding the effects of deviations from normal weather
White Bluff	White Bluff Steam Electric Generating Station, 57% owned by Entergy Arkansas

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ENTERGY CORPORATION AND SUBSIDIARIES

MANAGEMENT’S FINANCIAL DISCUSSION AND ANALYSIS

Entergy operates primarily through two business segments: Utility and Entergy Wholesale Commodities.

The Utility business segment includes the generation, transmission, distribution, and sale of electric power in portions of Arkansas, Mississippi, Texas, and Louisiana, including the City of New Orleans; and operation of a small natural gas distribution business.

The Entergy Wholesale Commodities business segment includes the ownership, operation, and decommissioning of nuclear power plants located in the northern United States and the sale of the electric power produced by its operating plants to wholesale customers. Entergy Wholesale Commodities also provides services to other nuclear power plant owners and owns interests in non-nuclear power plants that sell the electric power produced by those plants to wholesale customers. See “Entergy Wholesale Commodities Exit from the Merchant Power Business” below for discussion of the operation and planned shutdown or sale of each of the Entergy Wholesale Commodities nuclear power plants.

Following are the percentages of Entergy’s consolidated revenues generated by its operating segments and the percentage of total assets held by them. Net income or loss generated by the operating segments is discussed in the sections that follow.

Segment	% of Revenue		% of Total Assets	
	2017	2016	2017	2016
Utility	87	85	83	93
Entergy Wholesale Commodities	13	15	17	11
Parent & Other	—	—	—	(4)

See Note 13 to the financial statements for further financial information regarding Entergy’s business segments.

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Entergy Corporation and Subsidiaries
Management's Financial Discussion and Analysis

Results of Operations

2018 Compared to 2017

Following are income statement variances for Utility, Entergy Wholesale Commodities, Parent & Other, and Entergy comparing 2018 to 2017 showing how much the line item increased or (decreased) in comparison to the prior period.

	Utility	Entergy Wholesale Commodities	Parent & Other (a)	Entergy
	(In Thousands)			
2017 Consolidated Net Income (Loss)	\$773,148	(\$172,335)	(\$175,460)	\$425,353
Net revenue (operating revenue less fuel expense, purchased power, and other regulatory charges/credits)	(692,557)	(192,471)	(4)	(885,032)
Other operation and maintenance	85,239	(55,736)	10,200	39,703
Asset write-offs, impairments, and related charges	—	(6,051)	—	(6,051)
Taxes other than income taxes	25,578	(1,446)	264	24,396
Depreciation and amortization	23,141	(43,273)	(404)	(20,536)
Other income	22,024	(221,550)	(6,621)	(206,147)
Interest expense	5,618	9,980	29,407	45,005
Other expenses	(4,858)	(26,644)	—	(31,502)
Income taxes	(1,527,164)	(122,545)	70,313	(1,579,396)
2018 Consolidated Net Income (Loss)	\$1,495,061	(\$340,641)	(\$291,865)	\$862,555

(a) Parent & Other includes eliminations, which are primarily intersegment activity.

Refer to "SELECTED FINANCIAL DATA - FIVE-YEAR COMPARISON OF ENTERGY CORPORATION AND SUBSIDIARIES" which accompanies Entergy Corporation's financial statements in this report for further information with respect to operating statistics.

Results of operations for 2018 include: 1) \$532 million (\$421 million net-of-tax) of impairment charges due to costs being charged directly to expense as incurred as a result of the impaired value of the Entergy Wholesale Commodities nuclear plants' long-lived assets due to the significantly reduced remaining estimated operating lives associated with management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet; 2) a \$170 million reduction of income tax expense and a regulatory liability of \$40 million (\$30 million net-of-tax) as a result of customer credits recognized by Utility, as a result of internal restructuring; 3) a \$107 million reduction of income tax expense, recognized by Entergy Wholesale Commodities, as a result of a restructuring of the investment holdings in one of its nuclear plant decommissioning trust funds; 4) a \$52 million income tax benefit, recognized by Entergy Louisiana, as a result of the settlement of the 2012-2013 IRS audit, associated with the Hurricane Katrina and Hurricane Rita contingent sharing obligation associated with the Louisiana Act 55 financing; and 5) a \$23 million reduction of income tax expense, recognized by Entergy Wholesale Commodities, as a result of a state income tax audit. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" below for a discussion of management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet and see Note 14 to the financial statements for further discussion of the impairment and related charges. See Notes 2 and 3 to the financial statements for further discussion of the internal restructuring and customer credits. See Note 3 to the financial statements for further discussion of the IRS audit

settlement, the state income tax audit, and restructuring of the decommissioning trust fund investment holdings.

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Results of operations for 2017 include: 1) \$538 million (\$350 million net-of-tax) of impairment charges due to costs being charged to expense as incurred as a result of the impaired value of the Entergy Wholesale Commodities nuclear plants' long-lived assets due to the significantly reduced remaining estimated operating lives associated with management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet; 2) a reduction in net income of \$181 million, including a \$34 million net-of-tax reduction of regulatory liabilities, at Utility and \$397 million at Entergy Wholesale Commodities and an increase in net income of \$52 million at Parent and Other as a result of Entergy's re-measurement of its deferred tax assets and liabilities not subject to the ratemaking process due to the enactment of the Tax Cuts and Jobs Act, in December 2017, which lowered the federal corporate income tax rate from 35% to 21%; and 3) a reduction in income tax expense, net of unrecognized tax benefits, of \$373 million as a result of a change in the tax classification of legal entities that own Entergy Wholesale Commodities nuclear power plants. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" below for a discussion of management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet and see Note 14 to the financial statements for further discussion of the impairment and related charges. See Note 3 to the financial statements for further discussion of the effects of the Tax Cuts and Jobs Act and the change in the tax classification.

Net Revenue

Utility

Following is an analysis of the change in net revenue comparing 2018 to 2017.

	Amount (In Millions)
2017 net revenue	\$6,318
Return of unprotected excess accumulated deferred income taxes to customers	(770)
Grand Gulf recovery	(74)
Regulatory credit in 2017 resulting from reduction of the federal corporate income tax rate	(56)
Formula rate plan regulatory provisions	(44)
Entergy Arkansas internal restructuring customer credits	(40)
Retail electric price	4
Net wholesale revenue	57
Volume/weather	210
Other	20
2018 net revenue	\$5,625

The return of unprotected excess accumulated deferred income taxes to customers resulted from activity in 2018 at the Utility operating companies and System Energy in response to the enactment of the Tax Cuts and Jobs Act. There is no effect on net income as the reductions in net revenue were offset by reductions in income tax expense. See Note 2 to the financial statements for further discussion of regulatory activity regarding the Tax Cuts and Jobs Act.

The Grand Gulf recovery variance is primarily due to a reduction in depreciation expense recognized in third quarter 2018 upon FERC approval of the settlement in the Unit Power Sales Agreement proceeding, a reduction in income tax expense associated with the reduction in the federal income tax rate in 2018, and a reduction in recoverable decommissioning costs primarily attributable to changes in decommissioning trust fund activity. The reductions were partially offset by increases in other capacity costs. See Note 2 to the financial statements for a discussion of the Unit

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Entergy Corporation and Subsidiaries
Management's Financial Discussion and Analysis

Power Sales Agreement settlement. See Note 3 to the financial statements for a discussion of the effects of the Tax Cut and Jobs Act.

The regulatory credit in 2017 resulting from reduction of the federal corporate income tax rate variance is due to the reduction of the Vidalia purchased power agreement regulatory liability by \$30.5 million and the reduction in 2017 of the Louisiana Act 55 financing savings obligation regulatory liabilities by \$25 million, in each case, as a result of the enactment of the Tax Cuts and Jobs Act, in December 2017, which lowered the federal corporate income tax rate from 35% to 21%. The effects of the Tax Cuts and Jobs Act are discussed further in Note 3 to the financial statements. See Note 8 to the financial statements for further discussion of the Vidalia purchased power agreement.

The formula rate plan regulatory provisions variance is due to provisions, recorded in the fourth quarter 2018 at Entergy Arkansas and Entergy Mississippi, for estimated reductions in future revenue expected to be reflected in upcoming formula rate plan filings based on actual results for 2018. See Note 2 to the financial statements for a discussion of the regulatory provisions related to these formula rate plan filings.

The Entergy Arkansas internal restructuring customer credits variance is due to a regulatory liability recorded by Entergy in December 2018 as a result of the internal restructuring of Entergy Arkansas. Pursuant to a settlement agreement approved by the APSC, Entergy Arkansas will credit retail customers \$39.6 million over six years, beginning in 2019. See Note 2 to the financial statements for further discussion of the internal restructuring and customer credits.

The retail electric price variance is primarily due to:

- an increase in formula rate plan rates effective with the first billing cycle of January 2018 at Entergy Arkansas, as approved by the APSC;
- an increase in energy efficiency revenues primarily due to an increase in the Entergy Arkansas energy efficiency rider and a new Entergy Louisiana energy efficiency rider effective January 2018;
- a base rate increase effective October 2018 at Entergy Texas, as approved by the PUCT;
- an increase in formula rate plan revenues at Entergy Louisiana, implemented with the first billing cycle of September 2018; and
- higher storm damage rider revenues at Entergy Mississippi.

The increases were substantially offset by regulatory charges recorded in 2018 to reflect the effects of regulatory agreements to return the benefits of the lower income tax rate in 2018 to Louisiana, New Orleans, and Texas customers.

See Note 2 to the financial statements for further discussion of the regulatory proceedings discussed above.

The net wholesale revenue variance is primarily because of the regulatory lag experienced by certain Utility operating companies as a result of the change in the federal income tax rate in 2018 and its effect on wholesale rates. See Note 2 to the financial statements for discussion of regulatory activity regarding the Tax Cuts and Jobs Act.

The volume/weather variance is primarily due to an increase of 4,804 GWh, or 4%, in billed electricity usage, including the effect of more favorable weather on residential and commercial sales and an increase in industrial usage. The increase in industrial usage is primarily driven by small industrials sales, as well as continued growth from new customers and expansion projects, partially offset by decreased demand from existing customers.

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Entergy Corporation and Subsidiaries
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Entergy Wholesale Commodities

Following is an analysis of the change in net revenue comparing 2018 to 2017.

	Amount (In Millions)
2017 net revenue	\$1,469
FitzPatrick reimbursement agreement (98)	(98)
Nuclear realized price changes	(42)
Nuclear volume	(23)
Other	(29)
2018 net revenue	\$1,277

As shown in the table above, net revenue for Entergy Wholesale Commodities decreased by \$192 million in 2018 primarily due to:

a decrease resulting from the reimbursement agreement with Exelon pursuant to which Exelon reimbursed Entergy in the first quarter 2017 for specified out-of-pocket costs associated with preparing for the refueling and operation of FitzPatrick that otherwise would have been avoided had Entergy shut down FitzPatrick in January 2017. Revenues received from Exelon under the reimbursement agreement were offset by other operation and maintenance expenses and taxes other than income taxes and had no effect on net income. See Note 14 to the financial statements for discussion of the sale of FitzPatrick and the reimbursement agreement with Exelon;

• lower realized wholesale energy prices, partially offset by higher capacity prices; and

• lower volume in the Entergy Wholesale Commodities nuclear fleet primarily due to more non-refueling outage days in 2018 compared to 2017.

Following are key performance measures for Entergy Wholesale Commodities for 2018 and 2017.

	2018	2017
Owned capacity (MW)	3,962	3,962
GWh billed	29,875	30,501

Entergy Wholesale Commodities Nuclear Fleet

Capacity factor	84%	83%
GWh billed	27,617	28,178
Average energy price (\$/MWh)	\$37.34	\$41.60
Average capacity price (\$/kW-month)	\$6.80	\$6.16
Refueling outage days:		
FitzPatrick	—	42
Indian Point 2	33	—
Indian Point 3	—	66
Pilgrim	—	43
Palisades	61	27

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Other Income Statement Items

Utility

Other operation and maintenance expenses increased from \$2,416 million for 2017 to \$2,501 million for 2018 primarily due to:

- an increase of \$33 million in energy efficiency expenses due to the timing of recovery from customers;
- an increase of \$23 million in fossil-fueled generation expenses primarily due to an overall higher scope of work performed in 2018 as compared to the prior year and higher long-term service agreement costs;
- an increase of \$15 million in transmission expenses primarily due to higher labor and contract costs to support industrial customers;
- an increase of \$14 million in information technology costs primarily due to higher software maintenance costs and higher labor costs, including contract labor;
- an increase of \$14 million in loss provisions, including an increase in asbestos loss provisions;
- an increase of \$6 million in storm damage provisions, primarily at Entergy Mississippi. See Note 2 to the financial statements for discussion of storm cost recovery;
- a \$6 million write-off of capitalized skylining tree hazard costs as a result of the settlement of the Entergy Texas rate case proceeding. See Note 2 to the financial statements for discussion of the rate case proceeding; and
- a \$6 million loss in 2018 on the sale of fuel oil inventory per an agreement approved by the MPSC in June 2018 resulting from the stipulation related to the effects of the Tax Cuts and Jobs Act. There is no effect on net income as the loss on the sale of fuel oil inventory is offset by a reduction in income tax expense. See Note 2 to the financial statements for discussion of the agreement.

The increase was partially offset by higher nuclear insurance refunds of \$15 million and a \$15 million gain on disposal from the sale of Entergy Louisiana's Willow Glen Power Station. See Note 14 to the financial statements for discussion of the sale of Willow Glen.

Taxes other than income taxes increased primarily due to increases in ad valorem taxes and payroll taxes. Ad valorem taxes increased primarily due to higher assessments and lower capitalized taxes.

Depreciation and amortization expenses increased primarily due to additions to plant in service, partially offset by updated depreciation rates used in calculating Grand Gulf plant depreciation and amortization expenses under the Unit Power Sales Agreement as part of a settlement approved by the FERC in August 2018. See Note 2 to the financial statements for further discussion of the Unit Power Sales Agreement.

Other income increased primarily due to an increase in the allowance for equity funds used during construction due to higher construction work in progress in 2018, which included the St. Charles Power Station and Lake Charles Power Station projects. The increase was partially offset by changes in decommissioning trust fund activity, including portfolio rebalancing of certain of the decommissioning trust funds in 2018 and 2017.

Entergy Wholesale Commodities

Other operation and maintenance expenses decreased from \$864 million for 2017 to \$808 million for 2018 primarily due to the absence of other operation and maintenance expenses from the FitzPatrick plant. The decrease was partially offset by an increase of \$26 million in severance and retention costs as a result of management's strategy to reduce the

size of the Entergy Wholesale Commodities' merchant fleet and a gain on the sale of assets resulting from the sale in March 2017 of the 838 MW FitzPatrick plant to Exelon. Entergy sold the FitzPatrick plant for approximately \$110 million, which included a \$10 million non-refundable signing fee paid in August 2016, in addition to the assumption by Exelon of certain liabilities related to the FitzPatrick plant, resulting in a pre-tax gain of \$16 million on the sale. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale

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Entergy Corporation and Subsidiaries
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Commodities Exit from the Merchant Power Business” below for a discussion of management’s strategy to reduce the size of the Entergy Wholesale Commodities’ merchant fleet. See Note 14 to the financial statements for discussion of the sale of FitzPatrick.

The asset write-offs, impairments, and related charges variance is primarily due to impairment charges of \$532 million (\$421 million net-of-tax) in 2018 compared to impairment charges of \$538 million (\$350 million net-of-tax) in 2017. The impairment charges are primarily related to nuclear fuel spending, nuclear refueling outage spending, expenditures for capital assets, and asset retirement obligation revisions. These costs were charged to expense as incurred as a result of the impaired fair value of the Entergy Wholesale Commodities nuclear plants’ long-lived assets due to the significantly reduced remaining estimated operating lives associated with management’s strategy to reduce the size of the Entergy Wholesale Commodities’ merchant fleet. See “MANAGEMENT’S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business” below for a discussion of management’s strategy to reduce the size of the Entergy Wholesale Commodities’ merchant fleet. See Note 9 to the financial statements for a discussion of asset retirement obligations. See Note 14 to the financial statements for a discussion of impairment of long-lived assets.

Depreciation and amortization expenses decreased primarily due to the decision in the third quarter 2017 to continue operating Palisades until May 31, 2022. See “MANAGEMENT’S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business” below for a discussion of the planned shutdown of Palisades.

Other income decreased primarily due to losses on decommissioning trust fund investments, including unrealized losses on equity investments, which, prior to 2018, were recorded to other comprehensive income. See Note 16 to the financial statements for discussion of the implementation of ASU No. 2016-01 “Financial Instruments (Subtopic 825-10): Recognition and Measurement of Financial Assets and Financial Liabilities effective January 1, 2018.

Other expenses decreased primarily due to a reduction in deferred refueling outage amortization costs related to the impairments of the Indian Point 2, Palisades, and Indian Point 3 plants and related assets and the absence of decommissioning expense from the FitzPatrick plant after it was sold to Exelon in March 2017. See Note 14 to the financial statements for discussion of the sale of FitzPatrick and impairments and related charges.

Parent and Other

Interest expense increased primarily due to an increase in commercial paper outstanding, combined with higher variable interest rates on commercial paper in 2018. See Note 4 to the financial statements for discussion of Entergy’s commercial paper program.

Income Taxes

See Note 3 to the financial statements for a reconciliation of the federal statutory rates of 21% for 2018 and 35% for 2017 and 2016 to the effective income tax rates, and for additional discussion regarding income taxes.

The effective income tax rate for 2018 was 595%. The difference in the effective income tax rate versus the statutory rate of 21% for 2018 was primarily due to amortization of excess accumulated deferred income taxes, the tax effects of a restructuring within the Utility, and a restructuring of the investment holdings in one of the Entergy Wholesale Commodities’ nuclear plant decommissioning trusts for which additional tax basis is now recoverable. See Notes 2 and 3 to the financial statements for a discussion of the effects and regulatory activity regarding the Tax Cuts and Jobs

Act. See Note 3 to the financial statements for a discussion of the restructuring.

The effective income tax rate for 2017 was 56.1%. The difference in the effective income tax rate versus the statutory rate of 35% for 2017 was primarily due to the enactment of the Tax Cuts and Jobs Act, signed by President

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Entergy Corporation and Subsidiaries
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Trump in December 2017, which changed the federal corporate income tax rate from 35% to 21% effective in 2018, partially offset by a change in the tax classification of legal entities that own Entergy Wholesale Commodities nuclear power plants, which resulted in both permanent and temporary differences under the income tax accounting standards. See Note 3 to the financial statements for further discussion of the effects of the Tax Cuts and Jobs Act and the change in tax classification.

2017 Compared to 2016

Following are income statement variances for Utility, Entergy Wholesale Commodities, Parent & Other, and Entergy comparing 2017 to 2016 showing how much the line item increased or (decreased) in comparison to the prior period.

	Utility	Entergy Wholesale Commodities	Parent & Other (a)	Entergy
	(In Thousands)			
2016 Consolidated Net Income (Loss)	\$1,151,133	(\$1,493,124)	(\$222,512)	(\$564,503)
Net revenue (operating revenue less fuel expense, purchased power, and other regulatory charges/credits)	138,617	(73,433)	(16)	65,168
Other operation and maintenance	103,302	(26,954)	4,869	81,217
Asset write-offs, impairments, and related charges	—	(2,297,265)	—	(2,297,265)
Taxes other than income taxes	38,897	(14,657)	814	25,054
Depreciation and amortization	49,491	(6,731)	31	42,791
Other income	59,930	108,128	1,962	170,020
Interest expense	(10,245)	856	5,362	(4,027)
Other expenses	24,859	12,874	—	37,733
Income taxes	370,228	1,045,783	(56,182)	1,359,829
2017 Consolidated Net Income (Loss)	\$773,148	(\$172,335)	(\$175,460)	\$425,353

(a) Parent & Other includes eliminations, which are primarily intersegment activity.

Refer to "SELECTED FINANCIAL DATA - FIVE-YEAR COMPARISON OF ENTERGY CORPORATION AND SUBSIDIARIES" which accompanies Entergy Corporation's financial statements in this report for further information with respect to operating statistics.

Results of operations for 2017 include: 1) \$538 million (\$350 million net-of-tax) of impairment charges due to costs being charged to expense as incurred as a result of the impaired value of the Entergy Wholesale Commodities nuclear plants' long-lived assets due to the significantly reduced remaining estimated operating lives associated with management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet; 2) a reduction in net income of \$181 million, including a \$34 million net-of-tax reduction of regulatory liabilities, at Utility and \$397 million at Entergy Wholesale Commodities and an increase in net income of \$52 million at Parent and Other as a result of Entergy's re-measurement of its deferred tax assets and liabilities not subject to the ratemaking process due to the enactment of the Tax Cuts and Jobs Act, in December 2017, which lowered the federal corporate income tax rate from 35% to 21%; and 3) a reduction in income tax expense, net of unrecognized tax benefits, of \$373 million as a result of a change in the tax classification of legal entities that own Entergy Wholesale Commodities nuclear power plants. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" below for a discussion of management's strategy to reduce the size of the

Entergy Wholesale Commodities' merchant fleet and see Note 14 to the financial statements for further discussion of the

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Entergy Corporation and Subsidiaries
 Management's Financial Discussion and Analysis

impairment and related charges. See Note 3 to the financial statements for further discussion of the effects of the Tax Cuts and Jobs Act and the change in the tax classification.

Results of operations for 2016 include: 1) \$2,836 million (\$1,829 million net-of-tax) of impairment and related charges primarily to write down the carrying values of the Entergy Wholesale Commodities' Palisades, Indian Point 2, and Indian Point 3 plants and related assets to their fair values; 2) a reduction of income tax expense, net of unrecognized tax benefits, of \$238 million as a result of a change in the tax classification of a legal entity that owned one of the Entergy Wholesale Commodities nuclear power plants, income tax benefits as a result of the settlement of the 2010-2011 IRS audit, including a \$75 million tax benefit recognized by Entergy Louisiana related to the treatment of the Vidalia purchased power agreement, and a \$54 million net benefit recognized by Entergy Louisiana related to the treatment of proceeds received in 2010 for the financing of Hurricane Gustav and Hurricane Ike storm costs pursuant to Louisiana Act 55; and 3) a reduction in expenses of \$100 million (\$64 million net-of-tax) due to the effects of recording in 2016 the final court decisions in several lawsuits against the DOE related to spent nuclear fuel storage costs. See Note 14 to the financial statements for further discussion of the impairment and related charges, see Note 3 to the financial statements for additional discussion of the income tax items, and see Note 8 to the financial statements for discussion of the spent nuclear fuel litigation.

Net Revenue

Utility

Following is an analysis of the change in net revenue comparing 2017 to 2016.

	Amount (In Millions)
2016 net revenue	\$6,179
Retail electric price	91
Regulatory credit resulting from reduction of the federal corporate income tax rate	56
Grand Gulf recovery	27
Louisiana Act 55 financing savings obligation	17
Volume/weather	(61)
Other	9
2017 net revenue	\$6,318

The retail electric price variance is primarily due to:

the implementation of formula rate plan rates effective with the first billing cycle of January 2017 at Entergy Arkansas and an increase in base rates effective February 24, 2016, each as approved by the APSC. A significant portion of the base rate increase was related to the purchase of Power Block 2 of the Union Power Station in March 2016;

a provision recorded in 2016 related to the settlement of the Waterford 3 replacement steam generator prudence review proceeding;

the implementation of the transmission cost recovery factor rider at Entergy Texas, effective September 2016, and an increase in the transmission cost recovery factor rider rate, effective March 2017, as approved by the PUCT; and

an increase in rates at Entergy Mississippi, as approved by the MPSC, effective with the first billing cycle of July 2016.

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See Note 2 to the financial statements for further discussion of the rate proceedings and the Waterford 3 replacement steam generator prudence review proceeding. See Note 14 to the financial statements for discussion of the Union Power Station purchase.

The regulatory credit resulting from reduction of the federal corporate income tax rate variance is due to the reduction of the Vidalia purchased power agreement regulatory liability by \$30.5 million and the reduction of the Louisiana Act 55 financing savings obligation regulatory liabilities by \$25 million as a result of the enactment of the Tax Cuts and Jobs Act, in December 2017, which lowered the federal corporate income tax rate from 35% to 21%. The effects of the Tax Cuts and Jobs Act are discussed further in Note 3 to the financial statements.

The Grand Gulf recovery variance is primarily due to increased recovery of higher operating costs.

The Louisiana Act 55 financing savings obligation variance results from a regulatory charge in 2016 for tax savings to be shared with customers per an agreement approved by the LPSC. The tax savings resulted from the 2010-2011 IRS audit settlement on the treatment of the Louisiana Act 55 financing of storm costs for Hurricane Gustav and Hurricane Ike. See Note 3 to the financial statements for additional discussion of the settlement and benefit sharing.

The volume/weather variance is primarily due to the effect of less favorable weather on residential and commercial sales, partially offset by an increase in industrial usage. The increase in industrial usage is primarily due to new customers in the primary metals industry and expansion projects and an increase in demand for existing customers in the chlor-alkali industry.

Entergy Wholesale Commodities

Following is an analysis of the change in net revenue comparing 2017 to 2016.

	Amount (In Millions)
2016 net revenue	\$1,542
FitzPatrick sale	(158)
Nuclear volume	(89)
FitzPatrick reimbursement agreement	57
Nuclear fuel expenses	108
Other	9
2017 net revenue	\$1,469

As shown in the table above, net revenue for Entergy Wholesale Commodities decreased by approximately \$73 million in 2017 primarily due to the absence of net revenue from the FitzPatrick plant after it was sold to Exelon in March 2017 and lower volume in the Entergy Wholesale Commodities nuclear fleet resulting from more outage days in 2017 as compared to 2016. The decrease was partially offset by an increase resulting from the reimbursement agreement with Exelon pursuant to which Exelon reimbursed Entergy for specified out-of-pocket costs associated with preparing for the refueling and operation of FitzPatrick that otherwise would have been avoided had Entergy shut down FitzPatrick in January 2017 and a decrease in nuclear fuel expenses primarily related to the impairments of the Indian Point 2, Indian Point 3, and Palisades plants and related assets. Revenues received from Exelon in 2017 under the reimbursement agreement are offset by other operation and maintenance expenses and taxes other than income

taxes and had no effect on net income. See Note 14 to the financial statements for discussion of the sale of FitzPatrick, the reimbursement agreement with Exelon, and the impairments and related charges.

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Following are key performance measures for Entergy Wholesale Commodities for 2017 and 2016.

	2017	2016
Owned capacity (MW) (a)	3,962	4,800
GWh billed	30,501	35,881

Entergy Wholesale Commodities Nuclear Fleet

Capacity factor	83%	87%
GWh billed	28,178	33,551
Average energy price (\$/MWh)	\$41.60	\$41.33
Average capacity price (\$/kW-month)	\$6.16	\$4.64
Refueling outage days:		
FitzPatrick	42	—
Indian Point 2	—	102
Indian Point 3	66	—
Pilgrim	43	—
Palisades	27	—

(a) The reduction in owned capacity is due to Entergy's sale of the 838 MW FitzPatrick plant to Exelon in March 2017. See Note 14 to the financial statements for discussion of the sale of FitzPatrick.

Other Income Statement Items

Utility

Other operation and maintenance expenses increased from \$2,313 million for 2016 to \$2,416 million for 2017 primarily due to:

- an increase of \$46 million in nuclear generation expenses primarily due to higher nuclear labor costs, including contract labor, to position the nuclear fleet to meet its operational goals, including additional training and initiatives to support management's operational goals at Grand Gulf, partially offset by a decrease in regulatory compliance costs. The decrease in regulatory compliance costs is primarily related to additional NRC inspection activities in 2016 as a result of the NRC's March 2015 decision to move ANO into the "multiple/repetitive degraded cornerstone column" of the NRC's reactor oversight process action matrix. See Note 8 to the financial statements for a discussion of the ANO stator incident and subsequent NRC reviews;
- an increase of \$24 million in compensation and benefits costs primarily due to higher incentive-based compensation accruals in 2017 as compared to the prior year;
- an increase of \$20 million in transmission and distribution expenses due to higher vegetation maintenance costs; the effects of recording in 2016 final court decisions in several lawsuits against the DOE related to spent nuclear fuel storage costs. The damages awarded included the reimbursement of approximately \$19 million of spent nuclear fuel storage costs previously recorded as other operation and maintenance expense. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation; and
- the deferral in the first quarter 2016 of \$7.7 million of previously-incurred costs related to ANO post-Fukushima compliance and \$9.9 million of previously-incurred costs related to ANO flood barrier compliance, as approved by the APSC in February 2016 as part of the Entergy Arkansas 2015 rate case settlement. These costs are being amortized over a ten-year period beginning March 2016. See Note 2 to the financial statements for further discussion of the rate case settlement.

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The increase was partially offset by a decrease of \$23 million in fossil-fueled generation expenses primarily due to lower long-term service agreement costs.

Taxes other than income taxes increased primarily due to increases in ad valorem taxes, local franchise taxes, state franchise taxes, and employment taxes. Ad valorem taxes increased primarily due to higher assessments, including the assessment of ad valorem taxes on the Union Power Station beginning in 2017. Local franchise taxes increased primarily due to higher revenues in 2017 as compared to the prior year. State franchise taxes increased primarily due to a change in the Louisiana franchise tax law which became effective for 2017.

Depreciation and amortization expenses increased primarily due to additions to plant in service, including the Union Power Station purchased in March 2016. See Note 14 to the financial statements for discussion of the Union Power Station purchase.

Other income increased primarily due to higher realized gains in 2017 as compared to the prior year on the decommissioning trust fund investments, including portfolio rebalancing in 2017, and an increase in the allowance for equity funds used during construction due to higher construction work in progress in 2017, including the St. Charles Power Station project.

Other expenses increased primarily due to increases in deferred refueling outage amortization costs primarily associated with the most recent ANO plant outages compared to previous outages.

Entergy Wholesale Commodities

Other operation and maintenance expenses decreased from \$890 million for 2016 to \$864 million for 2017 primarily due to the absence of other operation and maintenance expenses from the FitzPatrick plant and a gain on the sale of assets resulting from the sale in March 2017 of the 838 MW FitzPatrick plant to Exelon. Entergy sold the FitzPatrick plant for approximately \$110 million, which included a \$10 million non-refundable signing fee paid in August 2016, in addition to the assumption by Exelon of certain liabilities related to the FitzPatrick plant, resulting in a pre-tax gain of \$16 million on the sale. See Note 14 to the financial statements for discussion of the sale of FitzPatrick. The decrease was partially offset by:

FitzPatrick's nuclear refueling outage expenses and expenditures for capital assets being classified as other operation and maintenance expenses as a result of the sale and reimbursement agreements Entergy entered into with Exelon. These costs would have not been incurred absent the sale agreement with Exelon because Entergy planned to shut the plant down in January 2017. The expenses are offset by revenue realized pursuant to the reimbursement agreement and had no effect on net income. See Note 14 to the financial statements for discussion of the sale and reimbursement agreements;

the effect of recording in 2016 final court decisions in litigation against the DOE for the reimbursement of spent nuclear fuel storage costs, which reduced other operation and maintenance expenses in 2016 by \$60 million. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation; and

an increase of \$37 million in severance and retention costs in 2017 as compared to the prior year due to management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" below for a discussion of management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet.

The asset write-offs, impairments, and related charges variance is primarily due to \$538 million (\$350 million net-of-tax) of impairment charges in 2017 compared to \$2,836 million (\$1,829 million net-of-tax) of impairment and related charges in 2016. The impairment charges in 2017 are due to nuclear fuel spending, nuclear refueling outage spending, and expenditures for capital assets being charged to expense as incurred as a result of the impaired value of the Entergy Wholesale Commodities nuclear plants' long-lived assets due to the significantly reduced remaining estimated operating lives associated with management's strategy to reduce the size of the Entergy Wholesale

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Commodities' merchant fleet. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" below for a discussion of management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet. The impairment and related charges in 2016 were primarily to write down the carrying values of the Entergy Wholesale Commodities' Palisades, Indian Point 2, and Indian Point 3 plants and related assets to their fair values. See Note 14 to the financial statements for further discussion of the impairments and related charges.

Taxes other than income taxes decreased primarily due to the absence of ad valorem taxes from the FitzPatrick plant after it was sold to Exelon in March 2017. See Note 14 to the financial statements for discussion of the sale of FitzPatrick.

Other income increased primarily due to higher realized gains in 2017 as compared to the prior year on the decommissioning trust fund investments, including the result of portfolio rebalancing in 2017, and the increase in value realized upon the receipt from NYPA of the decommissioning trust funds for the Indian Point 3 and FitzPatrick plants in January 2017. See Note 9 to the financial statements for discussion of the trust transfer agreement with NYPA.

Other expenses increased primarily due to increases in decommissioning expenses primarily as a result of a trust transfer agreement Entergy entered into with NYPA in August 2016, which closed in January 2017, to transfer the decommissioning trusts and decommissioning liabilities for the Indian Point 3 and FitzPatrick plants to Entergy and revisions to the estimated decommissioning cost liabilities for the Entergy Wholesale Commodities' Indian Point 2 and Palisades plants as a result of revised decommissioning cost studies in the fourth quarter 2016. The increase was partially offset by a reduction in deferred refueling outage amortization costs related to the impairments of the Indian Point 2, Indian Point 3, and Palisades plants and related assets. See Note 9 to the financial statements for discussion of the trust transfer agreement with NYPA and the revised decommissioning cost studies. See Note 14 to the financial statements for discussion of the impairments and related charges.

Income Taxes

See Note 3 to the financial statements for a reconciliation of the federal statutory rate of 35% for 2017 and 2016 to the effective income tax rates, and for additional discussion regarding income taxes.

The effective income tax rate for 2017 was 56.1%. The difference in the effective income tax rate versus the statutory rate of 35% for 2017 was primarily due to the enactment of the Tax Cuts and Jobs Act, signed by President Trump in December 2017, which changed the federal corporate income tax rate from 35% to 21% effective in 2018, partially offset by a change in the tax classification of legal entities that own Entergy Wholesale Commodities nuclear power plants, which resulted in both permanent and temporary differences under the income tax accounting standards. See Note 3 to the financial statements for further discussion of the effects of the Tax Cuts and Jobs Act and the change in tax classification.

The effective income tax rate for 2016 was 59.1%. The difference in the effective income tax rate versus the statutory rate of 35% for 2016 was primarily due to a change in the tax classification of a legal entity that owned one of the Entergy Wholesale Commodities nuclear power plants and the reversal of a portion of the provision for uncertain tax positions as a result of the settlement of the 2010-2011 IRS audit, partially offset by state income taxes and certain book and tax differences related to utility plant items. See Note 3 to the financial statements for additional discussion of the change in the tax classification and the tax settlement.

Income Tax Legislation

On December 22, 2017, President Trump signed into law the Tax Cuts and Jobs Act (the Act). As a result of the Act, Entergy and the Registrant Subsidiaries re-measured their deferred tax assets and liabilities in December 2017 to reflect the reduction in the federal corporate income tax rate from 35% to 21% that was effective January 1, 2018. Note 3 to the financial statements contains additional discussion of the effect of the Act on 2017 and 2018 results of

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operations and financial position, the provisions of the Act, and the uncertainties associated with accounting for the Act, and Note 2 to the financial statements discusses the regulatory proceedings that have considered the effects of the Act.

Entergy's operating cash flows have been and will be reduced in the near-term by the Act, most significantly over the time that the Registrant Subsidiaries will return unprotected excess deferred income taxes to customers. Rate base is expected to increase over time as a consequence of the Act as the excess deferred income taxes are returned to customers. Entergy is financing its incremental cash requirements as a consequence of the Act through a combination of Registrant Subsidiary debt and Entergy Corporation debt and equity. In June 2018, Entergy Corporation marketed an equity offering of 15.3 million shares of common stock. In lieu of issuing equity at the time of the offering, Entergy entered into forward sale agreements with several counterparties. In December 2018, Entergy physically settled a portion of its obligations under the forward sale agreements by delivering 6.8 million shares of its common stock in exchange for cash proceeds of approximately \$500 million. Entergy is required to settle its remaining obligations under the forward sale agreements with respect to the remaining 8.5 million shares of common stock on or prior to June 7, 2019.

Entergy Wholesale Commodities Exit from the Merchant Power Business

Entergy Wholesale Commodities includes the ownership of the following nuclear reactors as of December 31, 2018:

	Location	Market	Capacity	Status
Vermont Yankee	Vernon, VT	ISO-NE	605 MW	Plant sold on January 11, 2019
Pilgrim	Plymouth, MA	ISO-NE	688 MW	Planned shutdown in 2019
Indian Point 2	Buchanan, NY	NYISO	1,028 MW	Planned shutdown in 2020
Indian Point 3	Buchanan, NY	NYISO	1,041 MW	Planned shutdown in 2021
Palisades	Coevert, MI	MISO	811 MW	Planned shutdown in 2022

As discussed below, Entergy sold its FitzPatrick nuclear power plant to Exelon in March 2017 and the Vermont Yankee plant to NorthStar in January 2019. The Pilgrim and Palisades plants are under contract to be sold, subject to certain conditions, after they are shut down. Entergy also sold the Rhode Island State Energy Center, a natural gas-fired combined cycle generating plant, in December 2015.

These plant sales and contracts to sell are the result of a strategy that Entergy has undertaken to manage and reduce the risk of the Entergy Wholesale Commodities business, which includes taking actions to reduce the size of the merchant fleet. Management evaluated the challenges for each of the plants based on a variety of factors such as their market for both energy and capacity, their size, their contracted positions, and the amount of investment required to continue to operate and maintain the safety and integrity of the plants, including the estimated asset retirement costs. Management continues to look for ways to mitigate the operational and decommissioning risks associated with the merchant power business. Changes to current assumptions regarding the operating life of a plant, the decommissioning timeline and process, or the length of time that Entergy will continue to own a plant could result in revisions to the asset retirement obligations and affect compliance with certain NRC minimum financial assurance requirements for meeting obligations to decommission the plants. Increases in the asset retirement obligations are likely to result in an increase in operating expense in the period of a revision. The possibility that a plant may have an operating life shorter than previously assumed could result in the need for additional contributions to decommissioning trust funds, or the posting of parent guarantees, letters of credit, or other surety mechanisms.

Entergy Wholesale Commodities also includes the ownership of two non-operating nuclear facilities, Big Rock Point in Michigan and Indian Point 1 in New York that were acquired when Entergy purchased the Palisades and Indian Point 2 nuclear plants, respectively. These facilities are in various stages of the decommissioning process, and Big Rock Point is also under contract to be sold with the Palisades plant. In addition, Entergy Wholesale Commodities

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provides operations and management services, including decommissioning services, to nuclear power plants owned by other utilities in the United States. A relatively minor portion of the Entergy Wholesale Commodities business is the ownership of interests in non-nuclear power plants that sell the electric power produced by those plants to wholesale customers.

Shutdown and Sale of Vermont Yankee

On December 29, 2014, the Vermont Yankee plant ceased power production and entered its decommissioning phase.

In November 2016, Entergy entered into an agreement to sell 100% of the membership interests in Entergy Nuclear Vermont Yankee, LLC to a subsidiary of NorthStar. Entergy Nuclear Vermont Yankee was the owner of the Vermont Yankee plant. The sale of Entergy Nuclear Vermont Yankee to NorthStar included the transfer of the nuclear decommissioning trust fund and the asset retirement obligation for the spent fuel management and decommissioning of the plant.

In March 2018, Entergy and NorthStar entered into a settlement agreement and a Memorandum of Understanding with State of Vermont agencies and other interested parties that set forth the terms on which the agencies and parties supported the Vermont Public Utility Commission's approval of the transaction. The agreements provided additional financial assurance for decommissioning, spent fuel management and site restoration, and detailed the site restoration standards. In October 2018 the NRC issued an order approving the application to transfer Vermont Yankee's license to NorthStar for decommissioning. In December 2018 the Vermont Public Utility Commission issued an order approving the transaction consistent with the Memorandum of Understanding's terms. On January 11, 2019, Entergy and NorthStar closed the transaction.

Entergy Nuclear Vermont Yankee had an outstanding credit facility that was used to pay for dry fuel storage costs. This credit facility was guaranteed by Entergy Corporation. A subsidiary of Entergy assumed the obligations under the credit facility. At the closing of the sale transaction, NorthStar caused Entergy Nuclear Vermont Yankee, renamed NorthStar Vermont Yankee, to issue a \$139 million promissory note to the Entergy subsidiary that assumed the credit facility obligations. The amount of the note includes the balance outstanding on the credit facility, as well as borrowing fees and costs incurred by Entergy in connection with the credit facility.

With the receipt of the NRC and Vermont Public Utility Commission approvals and the resolution among the parties of the significant conditions of the sale, Entergy concluded that as of December 31, 2018 Vermont Yankee was in held for sale status. Entergy accordingly evaluated Vermont Yankee's asset retirement obligation in light of the terms of the sale transaction and evaluated the remaining values of the Vermont Yankee assets. These evaluations resulted in an increase in the asset retirement obligation and \$173 million of related asset impairment and other charges in the fourth quarter 2018. See Note 9 to the financial statements herein for additional discussion of the asset retirement obligation. See Note 14 to the financial statements for discussion of the closing of the Vermont Yankee transaction.

Sale of Top Deer Investment

In November 2016, Entergy sold its 50% membership interest in Top Deer Wind Ventures, LLC, a wind-powered electric generation joint venture owned by Entergy in the Entergy Wholesale Commodities segment and accounted for as an equity method investment. Entergy sold its 50% membership interest in Top Deer for approximately \$0.5 million and realized a pre-tax loss of \$0.2 million on the sale.

Sale of FitzPatrick

In October 2015, Entergy determined that it would close the FitzPatrick plant. The original expectation was to shut down the FitzPatrick plant at the end of its fuel cycle in January 2017.

In August 2016, Entergy entered into a trust transfer agreement with NYPA to transfer the decommissioning trust funds and decommissioning liabilities for the Indian Point 3 and FitzPatrick plants to Entergy. When Entergy

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purchased Indian Point 3 and FitzPatrick in 2000 from NYPA, NYPA retained the decommissioning trust funds and the decommissioning liabilities. NYPA and Entergy subsidiaries executed decommissioning agreements, which specified their decommissioning obligations. NYPA had the right to require the Entergy subsidiaries to assume each of the decommissioning liabilities provided that it assigned the corresponding decommissioning trust, up to a specified level, to the Entergy subsidiaries. Under the original agreements, if the decommissioning liabilities were retained by NYPA, the Entergy subsidiaries would perform the decommissioning of the plants at a price equal to the lesser of a pre-specified level or the amount in the decommissioning trust funds. At the time of the acquisition of the plants Entergy recorded a contract asset that represented an estimate of the present value of the difference between the stipulated contract amount for decommissioning the plants less the decommissioning costs estimated in independent decommissioning cost studies. The asset was increased by monthly accretion based on the applicable discount rate necessary to ultimately provide for the estimated future value of the decommissioning contract. The monthly accretion was recorded as interest income. As a result of the agreement with NYPA, in the third quarter 2016, Entergy removed the contract asset from its balance sheet, and recorded receivables for the beneficial interests in the decommissioning trust funds and asset retirement obligations for the decommissioning liabilities. The decommissioning trust funds for the Indian Point 3 and FitzPatrick plants were transferred to Entergy by NYPA in January 2017.

In August 2016, Entergy entered into an agreement to sell the FitzPatrick plant to Exelon. NRC approval of the sale was received in March 2017. The transaction closed in March 2017 for a purchase price of \$110 million, which included a \$10 million non-refundable signing fee paid in August 2016, in addition to the assumption by Exelon of certain liabilities related to the FitzPatrick plant, resulting in a pre-tax gain on the sale of \$16 million. At the transaction close, Exelon paid an additional \$8 million for the proration of certain expenses prepaid by Entergy. See Note 14 to the financial statements for further discussion of the sale of FitzPatrick. As discussed in Note 3 to the financial statements, as a result of the sale of FitzPatrick, Entergy re-determined the plant's tax basis, resulting in a \$44 million income tax benefit in the first quarter 2017.

Planned Shutdown of Pilgrim

In October 2015, Entergy determined that it would close the Pilgrim plant. The decision came after management's extensive analysis of the economics and operating life of the plant following the NRC's decision in September 2015 to place the plant in its "multiple/repetitive degraded cornerstone column" (Column 4) of its Reactor Oversight Process Action Matrix. In January 2019 the NRC found that the Pilgrim plant had completed the corrective actions required to address the concerns that led to the plant's placement in Column 4 and had demonstrated sustained improvement. The Pilgrim plant is expected to cease operations on May 31, 2019, at the end of its current fuel cycle. See Note 14 to the financial statements for discussion of the impairment charges associated with the decision to cease operations earlier than expected and see Note 8 for further discussion on the placement of Pilgrim in Column 4.

Planned Shutdown of Indian Point 2 and Indian Point 3

In April 2007, Entergy submitted to the NRC a joint application to renew the operating licenses for Indian Point 2 and Indian Point 3 for an additional 20 years. In January 2017, Entergy reached a settlement with New York State, several State agencies, and Riverkeeper, Inc., under which Indian Point 2 and Indian Point 3 will cease commercial operation by April 30, 2020 and April 30, 2021, respectively, subject to certain conditions, including New York State's withdrawal of opposition to Indian Point's license renewals and issuance of contested permits and similar authorizations. Operations may be extended up to four additional years for each unit by mutual agreement of Entergy and New York State based on an exigent reliability need for Indian Point generation. In September 2018 the NRC issued renewed operating licenses for Indian Point 2 through April 2024 and for Indian Point 3 through April 2025.

Other provisions of the settlement include termination of all then-existing investigations of Indian Point by the parties to the agreement, which include the New York State Department of Environmental Conservation, the New York State Department of State, the New York State Department of Public Service, the New York State Department of Health, and the New York State Attorney General. The settlement recognizes the right of New York State agencies

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to pursue new investigations and enforcement actions with respect to new circumstances or existing conditions that become materially exacerbated.

Another provision of the settlement obligates Entergy to establish a \$15 million fund for environmental projects and community support. Apportionment and allocation of funds to beneficiaries are to be determined by mutual agreement of New York State and Entergy. The settlement recognizes New York State's right to perform an annual inspection of Indian Point, with scope and timing to be determined by mutual agreement.

See Note 14 to the financial statements for further discussion of the impairment charges associated with management's decision to shut down the Indian Point plants.

Planned Shutdown of Palisades

Most of the Palisades output is sold under a power purchase agreement (PPA) with Consumers Energy, entered into when the plant was acquired in 2007, that is scheduled to expire in 2022. The PPA prices currently exceed market prices and escalate each year, up to \$61.50/MWh in 2022. In December 2016, Entergy reached an agreement with Consumers Energy to amend the existing PPA to terminate early, on May 31, 2018. Pursuant to the agreement to amend the PPA, Consumers Energy would pay Entergy \$172 million for the early termination of the PPA. The PPA amendment agreement was subject to regulatory approvals, including approval by the Michigan Public Service Commission. Separately, Entergy intended to shut down the Palisades nuclear power plant permanently on October 1, 2018, after refueling in the spring of 2017 and operating through the end of that fuel cycle.

In September 2017 the Michigan Public Service Commission issued an order conditionally approving the PPA amendment transaction, but only granting Consumers Energy recovery of \$136.6 million of the \$172 million requested early termination payment. As a result, Entergy and Consumers Energy agreed to terminate the PPA amendment agreement. Entergy will continue to operate Palisades under the current PPA with Consumers Energy, instead of shutting down in the fall of 2018 as previously planned. Entergy intends to shut down the Palisades nuclear power plant permanently on May 31, 2022. As a result of the increase in the expected operating life of the plant, the expected probability-weighted undiscounted net cash flows as of September 30, 2017 exceeded the carrying value of the plant and related assets. Accordingly, nuclear fuel spending, nuclear refueling outage spending, and expenditures for capital assets incurred at Palisades after September 30, 2017 are no longer charged to expense as incurred, but recorded as assets and depreciated or amortized, subject to the typical periodic impairment reviews prescribed in the accounting rules. See Note 9 to the financial statements for discussion of the associated asset retirement obligation revision. See Note 14 to the financial statements for discussion of the updated calculation of the PPA liability amortization and discussion of the impairment charges associated with the decision to cease operations at Palisades.

Planned Sales of Pilgrim and Palisades

On July 30, 2018, Entergy entered into purchase and sale agreements with Holtec International to sell to a Holtec subsidiary (i) 100% of the equity interests in Entergy Nuclear Generation Company, the owner of Pilgrim, and (ii) 100% of the equity interests in Entergy Nuclear Palisades, LLC, the owner of Palisades and the Big Rock Point Site. The sales of Entergy Nuclear Generation Company and Entergy Nuclear Palisades will include the transfer of each entity's nuclear decommissioning trust and obligation for spent fuel management and plant decommissioning. At the closing of each sale transaction, the Holtec subsidiary will pay \$1,000 each (subject to adjustment for net liabilities and other amounts) for the equity interests in Entergy Nuclear Generation Company and Entergy Nuclear Palisades.

The Pilgrim transaction is subject to certain closing conditions, including: the permanent shutdown of Pilgrim and the transfer of all nuclear fuel from the reactor vessel to the spent nuclear fuel pool; NRC approval for the transfer of the operating and the independent spent fuel storage installation licenses; FERC approval for the change in control of the switchyard; receipt of a favorable private letter ruling from the IRS; the market value of the nuclear decommissioning trust for Pilgrim, less the hypothetical income tax on the aggregate unrealized gain of such fund

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assets at closing, equaling or exceeding a specified minimum amount; and, the Palisades purchase and sale agreement having not been terminated due to a breach by Holtec or its subsidiary.

The Palisades transaction is subject to certain closing conditions, including: the permanent shutdown of Palisades and the transfer of all nuclear fuel from the reactor vessel to the spent nuclear fuel pool; NRC regulatory approval for the transfer of the Palisades and Big Rock Point operating and independent spent fuel storage installation licenses; receipt of a favorable private letter ruling from the IRS; the market value of the nuclear decommissioning trust for Palisades, less the hypothetical income tax on the aggregate unrealized gain of such fund assets at closing, equaling or exceeding a specified minimum amount; and, the Pilgrim transaction having closed.

Subject to the above conditions, the Pilgrim transaction is expected to close by the end of 2019 and the Palisades transaction is expected to close by the end of 2022. The Pilgrim transaction is expected currently to result in an approximate \$120 million loss and the Palisades transaction is expected currently to result in an approximate \$80 million gain based on the difference between Entergy's net investment in each subsidiary and the sale price plus any agreed adjustments. The primary variables in the ultimate loss or gain that Entergy will incur are the values of the nuclear decommissioning trusts and the asset retirement obligations at closing, financial results from plant operations until the closing, and the level of any deferred tax balances at closing.

Costs Associated with Entergy Wholesale Commodities Strategic Transactions

Entergy incurred approximately \$139 million in costs in 2018, \$113 million in costs in 2017, and \$95 million in costs in 2016 associated with management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet, primarily employee retention and severance expenses and other benefits-related costs, and contracted economic development contributions. Entergy expects to incur employee retention and severance expenses of approximately \$120 million in 2019, and a total of approximately \$110 million from 2020 through 2022 associated with these strategic transactions. See Note 13 to the financial statements for further discussion of these costs.

In 2018, Entergy Wholesale Commodities incurred \$532 million, and in 2017 it incurred \$538 million, of impairment charges related to nuclear fuel spending, nuclear refueling outage spending, expenditures for capital assets, and asset retirement obligation revisions. These costs were charged to expense as incurred as a result of the impaired value of the Entergy Wholesale Commodities nuclear plants' long-lived assets due to the significantly reduced remaining estimated operating lives associated with management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet. Entergy expects to continue to incur costs associated with nuclear fuel-related spending and expenditures for capital assets and, except for Palisades, expects to continue to charge these costs to expense as incurred because Entergy expects the value of the plants to continue to be impaired. In 2016, Entergy Wholesale Commodities incurred impairment charges of \$2.8 billion primarily to write down the carrying values of the Entergy Wholesale Commodities' Palisades, Indian Point 2, and Indian Point 3 plants and related assets to their fair values. See Note 14 to the financial statements for further discussion of these impairment charges.

Liquidity and Capital Resources

This section discusses Entergy's capital structure, capital spending plans and other uses of capital, sources of capital, and the cash flow activity presented in the cash flow statement.

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Capital Structure

Entergy's debt to capital ratio is balanced between equity and debt, as shown in the following table.

	December 31, 2018	December 31, 2017
Debt to capital	66.7%	67.1%
Effect of excluding securitization bonds	(0.5%)	(0.8%)
Debt to capital, excluding securitization bonds (a)	66.2%	66.3%
Effect of subtracting cash	(0.6%)	(1.1%)
Net debt to net capital, excluding securitization bonds (a)	65.6%	65.2%

(a) Calculation excludes the Arkansas, Louisiana, New Orleans, and Texas securitization bonds, which are non-recourse to Entergy Arkansas, Entergy Louisiana, Entergy New Orleans, and Entergy Texas, respectively.

Net debt consists of debt less cash and cash equivalents. Debt consists of notes payable and commercial paper, capital lease obligations, and long-term debt, including the currently maturing portion. Capital consists of debt, common shareholders' equity, and subsidiaries' preferred stock without sinking fund. Net capital consists of capital less cash and cash equivalents. Entergy uses the debt to capital ratios excluding securitization bonds in analyzing its financial condition and believes they provide useful information to its investors and creditors in evaluating Entergy's financial condition because the securitization bonds are non-recourse to Entergy, as more fully described in Note 5 to the financial statements. Entergy also uses the net debt to net capital ratio excluding securitization bonds in analyzing its financial condition and believes it provides useful information to its investors and creditors in evaluating Entergy's financial condition because net debt indicates Entergy's outstanding debt position that could not be readily satisfied by cash and cash equivalents on hand.

Long-term debt, including the currently maturing portion, makes up most of Entergy's total debt outstanding. Following are Entergy's long-term debt principal maturities and estimated interest payments as of December 31, 2018. To estimate future interest payments for variable rate debt, Entergy used the rate as of December 31, 2018. The amounts below include payments on System Energy's Grand Gulf sale-leaseback transaction, which are included in long-term debt on the balance sheet.

Long-term debt maturities and estimated interest payments	2019	2020	2021	2022-2023	after 2023
	(In Millions)				
Utility	\$1,336	\$1,012	\$1,908	\$2,554	\$16,282
Entergy Wholesale Commodities	4	142	—	—	—
Parent and Other	79	522	56	933	810
Total	\$1,419	\$1,676	\$1,964	\$3,487	\$17,092

Note 5 to the financial statements provides more detail concerning long-term debt outstanding.

Entergy Corporation has in place a credit facility that has a borrowing capacity of \$3.5 billion and expires in September 2023. The facility includes fronting commitments for the issuance of letters of credit against \$20 million of the total borrowing capacity of the credit facility. The commitment fee is currently 0.225% of the undrawn commitment amount. Commitment fees and interest rates on loans under the credit facility can fluctuate depending on the senior unsecured debt ratings of Entergy Corporation. The weighted average interest rate for the year ended December 31, 2018 was 3.60% on the drawn portion of the facility.

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As of December 31, 2018, amounts outstanding and capacity available under the \$3.5 billion credit facility are:

Capacity Borrowings	Letters of Credit	Capacity Available
(In Millions)		
\$3,500	\$220	\$6
		\$3,274

A covenant in Entergy Corporation's credit facility requires Entergy to maintain a consolidated debt ratio, as defined, of 65% or less of its total capitalization. The calculation of this debt ratio under Entergy Corporation's credit facility is different than the calculation of the debt to capital ratio above. One such difference is that it excludes the effects, among other things, of certain impairments related to the Entergy Wholesale Commodities nuclear generation assets. Entergy is currently in compliance with the covenant and expects to remain in compliance with this covenant. If Entergy fails to meet this ratio, or if Entergy or one of the Utility operating companies (except Entergy New Orleans) defaults on other indebtedness or is in bankruptcy or insolvency proceedings, an acceleration of the Entergy Corporation credit facility's maturity date may occur.

Entergy Corporation has a commercial paper program with a Board-approved program limit of up to \$2 billion. As of December 31, 2018, Entergy Corporation had \$1.942 billion of commercial paper outstanding. The weighted-average interest rate for the year ended December 31, 2018 was 2.50%.

Capital lease obligations are a minimal part of Entergy's overall capital structure. Following are Entergy's payment obligations under those leases.

	2019	2020	2021	2022-2023	after 2023
	(In Millions)				
Capital lease payments	\$3	\$3	\$3	\$6	\$16

The capital leases are discussed in Note 10 to the financial statements.

Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy New Orleans, and Entergy Texas each had credit facilities available as of December 31, 2018 as follows:

Company	Expiration Date	Amount of Facility	Interest Rate (a)	Amount Drawn as of December 31, 2018	Letters of Credit Outstanding as of December 31, 2018
Entergy Arkansas	April 2019	\$20 million (b)	3.77%	—	—
Entergy Arkansas	September 2023	\$150 million (c)	3.77%	—	—
Entergy Louisiana	September 2023	\$350 million (c)	3.77%	—	—
Entergy Mississippi	May 2019	\$10 million (d)	4.02%	—	—
Entergy Mississippi	May 2019	\$35 million (d)	4.02%	—	—
Entergy Mississippi	May 2019	\$37.5 million (d)	4.02%	—	—
Entergy New Orleans	November 2021	\$25 million (c)	3.80%	—	\$0.8 million
Entergy Texas	September 2023	\$150 million (c)	4.02%	—	\$1.3 million

(a) The interest rate is the estimated interest rate as of December 31, 2018 that would have been applied to outstanding borrowings under the facility.

(b) Borrowings under this Entergy Arkansas credit facility may be secured by a security interest in its accounts receivable at Entergy Arkansas's option.

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The credit facility includes fronting commitments for the issuance of letters of credit against a portion of the (c) borrowing capacity of the facility as follows: \$5 million for Entergy Arkansas; \$15 million for Entergy Louisiana; \$10 million for Entergy New Orleans; and \$30 million for Entergy Texas.

(d) Borrowings under the Entergy Mississippi credit facilities may be secured by a security interest in its accounts receivable at Entergy Mississippi's option.

Each of the credit facilities requires the Registrant Subsidiary borrower to maintain a debt ratio, as defined, of 65% or less of its total capitalization. Each Registrant Subsidiary is in compliance with this covenant.

In addition, Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy New Orleans, and Entergy Texas each entered into one or more uncommitted standby letter of credit facilities as a means to post collateral to support its obligations to MISO. Following is a summary of the uncommitted standby letter of credit facilities as of December 31, 2018:

Company	Amount of Uncommitted Facility	Letter of Credit Fee	Letters of Credit Issued as of December 31, 2018 (a)
Entergy Arkansas	\$25 million	0.70%	\$1 million
Entergy Louisiana	\$125 million	0.70%	\$25.9 million
Entergy Mississippi	\$40 million	0.70%	\$16.7 million
Entergy New Orleans	\$15 million	1.00%	\$2 million
Entergy Texas	\$50 million	0.70%	\$20.9 million

As of December 31, 2018, letters of credit posted with MISO covered financial transmission right exposure of \$0.2 (a) million for Entergy Mississippi and \$4.1 million for Entergy Texas. See Note 15 to the financial statements for discussion of financial transmission rights.

As of December 31, 2018, Entergy Nuclear Vermont Yankee had a credit facility guaranteed by Entergy Corporation with a borrowing capacity of \$145 million that expires in November 2020. As of December 31, 2018, \$139 million in cash borrowings were outstanding under the credit facility. The weighted average interest rate for the year ended December 31, 2018 was 3.50% on the drawn portion of the facility. In anticipation of the transfer of Entergy Nuclear Vermont Yankee to NorthStar, the credit facility was assumed by Vermont Yankee Asset Retirement Management, LLC, Entergy Nuclear Vermont Yankee's parent company that remains an Entergy subsidiary after the transfer, in January 2019 and the borrowing capacity was reduced to \$139 million. See Note 4 to the financial statements for additional discussion of the Vermont Yankee credit facility. See Note 14 to the financial statements for discussion of the transfer of Entergy Nuclear Vermont Yankee to NorthStar.

Operating Lease Obligations and Guarantees of Unconsolidated Obligations

Entergy has a minimal amount of operating lease obligations and guarantees in support of unconsolidated obligations. Entergy's guarantees in support of unconsolidated obligations are not likely to have a material effect on Entergy's financial condition, results of operations, or cash flows. Following are Entergy's payment obligations as of December 31, 2018 on non-cancelable operating leases with a term over one year:

	2019	2020	2021	2022-2023	after 2023
(In Millions)					
Operating lease payments	\$94	\$82	\$75	\$108	\$88

Operating leases are discussed in Note 10 to the financial statements.

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Summary of Contractual Obligations of Consolidated Entities

Contractual Obligations	2019	2020-2021	2022-2023	after 2023	Total
	(In Millions)				
Long-term debt (a)	\$1,419	\$3,640	\$3,487	\$17,092	\$25,638
Capital lease payments (b)	\$3	\$6	\$6	\$16	\$31
Operating leases (b) (c)	\$94	\$157	\$108	\$88	\$447
Purchase obligations (d)	\$1,331	\$2,301	\$2,743	\$3,340	\$9,715

(a) Includes estimated interest payments. Long-term debt is discussed in Note 5 to the financial statements.

(b) Lease obligations are discussed in Note 10 to the financial statements.

(c) Does not include power purchase agreements that are accounted for as leases that are included in purchase obligations.

(d) Purchase obligations represent the minimum purchase obligation or cancellation charge for contractual obligations to purchase goods or services. Almost all of the total are fuel and purchased power obligations.

In addition to the contractual obligations stated above, Entergy currently expects to contribute approximately \$176.9 million to its pension plans and approximately \$47.6 million to other postretirement plans in 2019, although the 2019 required pension contributions will be known with more certainty when the January 1, 2019 valuations are completed, which is expected by April 1, 2019. See "Critical Accounting Estimates - Qualified Pension and Other Postretirement Benefits" below for a discussion of qualified pension and other postretirement benefits funding.

Also in addition to the contractual obligations, Entergy has \$1,213 million of unrecognized tax benefits and interest net of unused tax attributes for which the timing of payments beyond 12 months cannot be reasonably estimated due to uncertainties in the timing of effective settlement of tax positions. See Note 3 to the financial statements for additional information regarding unrecognized tax benefits.

Capital Funds Agreement

Pursuant to an agreement with certain creditors, Entergy Corporation has agreed to supply System Energy with sufficient capital to:

- maintain System Energy's equity capital at a minimum of 35% of its total capitalization (excluding short-term debt);
- permit the continued commercial operation of Grand Gulf;
- pay in full all System Energy indebtedness for borrowed money when due; and
- enable System Energy to make payments on specific System Energy debt, under supplements to the agreement assigning System Energy's rights in the agreement as security for the specific debt.

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Capital Expenditure Plans and Other Uses of Capital

Following are the amounts of Entergy's planned construction and other capital investments by operating segment for 2019 through 2021.

Planned construction and capital investments	2019	2020	2021
	(In Millions)		
Utility:			
Generation	\$1,915	\$1,090	\$1,515
Transmission	1,060	845	570
Distribution	1,040	1,095	1,325
Utility Support	515	405	325
Total	4,530	3,435	3,735
Entergy Wholesale Commodities	110	40	20
Total	\$4,640	\$3,475	\$3,755

Planned construction and capital investments refer to amounts Entergy plans to spend on routine capital projects that are necessary to support reliability of its service, equipment, or systems and to support normal customer growth, and includes spending for the nuclear and non-nuclear plants at Entergy Wholesale Commodities. In addition to routine capital projects, they also refer to amounts Entergy plans to spend on non-routine capital investments for which Entergy is either contractually obligated, has Board approval, or otherwise expects to make to satisfy regulatory or legal requirements. Amounts include the following types of construction and capital investments:

Investments, including the St. Charles Power Station, Lake Charles Power Station, Washington Parish Energy Center, Choctaw Generating Station, Sunflower Solar Facility, New Orleans Power Station, and Montgomery County Power Station, each discussed below, and potential construction of additional generation.

Entergy Wholesale Commodities investments such as component replacements, software and security, and dry cask storage.

Investments in Entergy's nuclear fleet.

Transmission spending to enhance reliability, reduce congestion, and enable economic growth.

Distribution spending to enhance reliability and improve service to customers, including investment to support advanced metering.

For the next several years, the Utility's owned generating capacity is projected to be adequate to meet MISO reserve requirements; however, in the longer-term additional supply resources will be needed, and its supply plan initiative will continue to seek to transform its generation portfolio with new generation resources. Opportunities resulting from the supply plan initiative, including new projects or the exploration of alternative financing sources, could result in increases or decreases in the capital expenditure estimates given above. Estimated capital expenditures are also subject to periodic review and modification and may vary based on the ongoing effects of business restructuring, regulatory constraints and requirements, environmental regulations, business opportunities, market volatility, economic trends, changes in project plans, and the ability to access capital.

St. Charles Power Station

In August 2015, Entergy Louisiana filed with the LPSC an application seeking certification that the public necessity and convenience would be served by the construction of the St. Charles Power Station, a nominal 980 megawatt combined-cycle generating unit, on land adjacent to the existing Little Gypsy plant in St. Charles Parish, Louisiana. It

is currently estimated to cost \$869 million to construct, including transmission interconnection and other related costs. The LPSC issued an order approving certification of St. Charles Power Station in December 2016. Construction is in progress and commercial operation is expected to occur by mid-2019.

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Lake Charles Power Station

In November 2016, Entergy Louisiana filed an application with the LPSC seeking certification that the public convenience and necessity would be served by the construction of the Lake Charles Power Station, a nominal 994 megawatt combined-cycle generating unit in Westlake, Louisiana, on land adjacent to the existing Nelson plant in Calcasieu Parish. The current estimated cost of the Lake Charles Power Station is \$872 million, including estimated costs of transmission interconnection and other related costs. In May 2017 the parties to the proceeding agreed to an uncontested stipulation finding that construction of the Lake Charles Power Station is in the public interest and authorizing an in-service rate recovery plan. In July 2017 the LPSC issued an order unanimously approving the stipulation and approved certification of the unit. Construction is in progress and commercial operation is expected to occur by mid-2020.

Washington Parish Energy Center

In April 2017, Entergy Louisiana signed an agreement with a subsidiary of Calpine Corporation for the construction and purchase of a peaking plant. Calpine will construct the plant, which will consist of two natural gas-fired combustion turbine units with a total nominal capacity of approximately 361 MW. The plant, named the Washington Parish Energy Center, will be located in Bogalusa, Louisiana and, subject to permits and approvals, is expected to be completed by 2021. Subject to regulatory approvals, Entergy Louisiana will purchase the plant once it is complete for an estimated total investment of approximately \$261 million, including transmission and other related costs. In May 2017, Entergy Louisiana filed an application with the LPSC seeking certification of the plant. In April 2018 the parties reached a settlement recommending certification and cost recovery through the additional capacity mechanism of the formula rate plan, consistent with prior LPSC precedent with respect to the certification and recovery of plants previously acquired by Entergy Louisiana. The LPSC issued an order approving the settlement in May 2018.

Choctaw Generating Station

In August 2018, Entergy Mississippi announced that it signed an asset purchase agreement to acquire from a subsidiary of GenOn Energy Inc. the Choctaw Generating Station, an 810 MW natural gas fired combined-cycle turbine plant located near French Camp, Mississippi. The purchase price is expected to be approximately \$314 million. Entergy Mississippi also expects to invest in various plant upgrades at the facility after closing and expects the total cost of the acquisition to be approximately \$401 million. The purchase is contingent upon, among other things, obtaining necessary approvals, including full cost recovery, from applicable federal and state regulatory and permitting agencies. These include regulatory approvals from the MPSC and the FERC. Clearance under the Hart-Scott-Rodino Antitrust Improvements Act has occurred. In October 2018, Entergy Mississippi filed an application with the MPSC seeking approval of the acquisition and cost recovery. In a separate filing in October 2018, Entergy Mississippi proposed revisions to its formula rate plan that would provide for a mechanism, the interim capacity rate adjustment mechanism, in the formula rate plan to recover the non-fuel related costs of additional owned capacity acquired by Entergy Mississippi, including the non-fuel annual ownership costs of the Choctaw Generating Station, as well as to allow similar cost recovery treatment for other future capacity additions approved by the MPSC. Closing is expected to occur by the end of 2019.

Sunflower Solar Facility

In November 2018, Entergy Mississippi announced that it signed an agreement for the purchase of an approximately 100 MW to-be-constructed solar photovoltaic facility that will be sited on approximately 1,000 acres in Sunflower County, Mississippi. The estimated base purchase price is approximately \$138.4 million. The estimated total investment, including the base purchase price and other related costs, for Entergy Mississippi to acquire the Sunflower Solar Facility is approximately \$153.2 million. The purchase is contingent upon, among other things, obtaining necessary approvals, including full cost recovery, from applicable federal and state regulatory and permitting agencies. The project will be built by Sunflower County Solar Project, LLC, a sub-subsiidiary of Recurrent Energy,

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LLC. Entergy Mississippi will purchase the facility upon mechanical completion and after the other purchase contingencies have been met. In December 2018, Entergy Mississippi filed a joint petition with Sunflower Solar Project at the MPSC for Sunflower Solar Project to construct and for Entergy Mississippi to acquire and thereafter own, operate, improve, and maintain the solar facility. Entergy Mississippi has proposed revisions to its formula rate plan that would provide for a mechanism, the interim capacity rate adjustment mechanism, in the formula rate plan to recover the non-fuel related costs of additional owned capacity acquired by Entergy Mississippi, including the annual ownership costs of the Sunflower Solar Facility. Closing is expected to occur by the end of 2021.

New Orleans Power Station

In June 2016, Entergy New Orleans filed an application with the City Council seeking a public interest determination and authorization to construct the New Orleans Power Station, a 226 MW advanced combustion turbine in New Orleans, Louisiana, at the site of the existing Michoud generating facility, which was retired effective May 31, 2016. In January 2017 several intervenors filed testimony opposing the construction of the New Orleans Power Station on various grounds. In July 2017, Entergy New Orleans submitted a supplemental and amending application to the City Council seeking approval to construct either the originally proposed 226 MW advanced combustion turbine, or alternatively, a 128 MW unit composed of natural gas-fired reciprocating engines and a related cost recovery plan. The cost estimate for the alternative 128 MW unit is \$210 million. In addition, the application renewed the commitment to pursue up to 100 MW of renewable resources to serve New Orleans. In March 2018 the City Council adopted a resolution approving construction of the 128 MW unit. The targeted commercial operation date is mid-2020, subject to receipt of all necessary permits. In April 2018 intervenors opposing the construction of the New Orleans Power Station filed with the City Council a request for rehearing, which was subsequently denied, and a petition for judicial review of the City Council's decision, and also filed a lawsuit challenging the City Council's approval based on Louisiana's open meeting law. In May 2018 the City Council announced that it would initiate an investigation into allegations that Entergy New Orleans, Entergy, or some other entity paid or participated in paying certain attendees and speakers in support of the New Orleans Power Station to attend or speak at certain meetings organized by the City Council. In June 2018, Entergy New Orleans produced documents in response to a City Council resolution relating to this investigation. The City Council issued a request for qualifications for an investigator and in June 2018 selected two investigators. In October 2018 the investigators for the City Council released their report, concluding that individuals were paid to attend and/or speak in support of the New Orleans Power Station and that Entergy New Orleans "knew or should have known that such conduct occurred or reasonably might occur." The City Council held a special meeting on October 31, 2018 to allow the investigators to present the report and for the City Council to consider next steps. At that meeting, the City Council issued a resolution requiring Entergy New Orleans to show cause why it should not be fined \$5 million as a result of the findings in the report. In November 2018, Entergy New Orleans submitted its response to the show cause resolution, disagreeing with certain characterizations and omissions of fact in the report and asserting that the City Council could not legally impose the proposed fine. Simultaneous with the filing of its response to the show cause resolution, Entergy New Orleans sent a letter to the City Council re-asserting that the City Council's imposition of the proposed fine would be unlawful, but acknowledging that the actions of a subcontractor, which was retained by an Entergy New Orleans contractor without the knowledge or contractually-required consent of Entergy New Orleans, were contrary to Entergy's values. In that letter, Entergy New Orleans offered to donate \$5 million to the City Council to resolve the show cause proceeding. In January 2019, Entergy New Orleans submitted a new settlement proposal to the City Council. The proposal retains the components of the first offer but adds to it a commitment to make reasonable efforts to limit the costs of the project to the \$210 million cost estimate with advanced notification of anticipated cost overruns, additional reporting requirements for cost and environmental items, and a commitment regarding reliability investment and to work with the New Orleans Sewerage and Water Board to provide a reliable source of power. In February 2019 the City Council approved a resolution approving the settlement proposal and allowing the construction of the New Orleans Power Station to

commence.

Montgomery County Power Station

In October 2016, Entergy Texas filed an application with the PUCT seeking certification that the public convenience and necessity would be served by the construction of the Montgomery County Power Station, a nominal

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993 MW combined-cycle generating unit in Montgomery County, Texas on land adjacent to the existing Lewis Creek plant. The current estimated cost of the Montgomery County Power Station is \$937 million, including approximately \$111 million of transmission interconnection and network upgrades and other related costs. The independent monitor, who oversaw the request for proposal process, filed testimony and a report affirming that the Montgomery County Power Station was selected through an objective and fair request for proposal process that showed no undue preference to any proposal. In June 2017 parties to the proceeding filed an unopposed stipulation and settlement agreement. The stipulation contemplates that Entergy Texas's level of cost-recovery for generation construction costs for Montgomery County Power Station is capped at \$831 million, subject to certain exclusions such as force majeure events. Transmission interconnection and network upgrades and other related costs are not subject to the \$831 million cap. In July 2017 the PUCT approved the stipulation. Subject to the timely receipt of other permits and approvals, commercial operation is estimated to occur by mid-2021.

Advanced Metering Infrastructure (AMI)

See Note 2 to the financial statements for discussion of filings made by the Utility operating companies regarding the deployment of AMI. The filings included estimates of implementation costs for AMI of \$208 million for Entergy Arkansas, \$330 million for Entergy Louisiana, \$132 million for Entergy Mississippi, \$75 million for Entergy New Orleans, and \$132 million for Entergy Texas.

Dividends and Stock Repurchases

Declarations of dividends on Entergy's common stock are made at the discretion of the Board. Among other things, the Board evaluates the level of Entergy's common stock dividends based upon earnings per share from the Utility operating segment and the Parent and Other portion of the business, financial strength, and future investment opportunities. At its January 2019 meeting, the Board declared a dividend of \$0.91 per share. Entergy paid \$648 million in 2018, \$629 million in 2017, and \$612 million in 2016 in cash dividends on its common stock.

In accordance with Entergy's stock-based compensation plans, Entergy periodically grants stock options, restricted stock, performance units, and restricted stock unit awards to key employees, which may be exercised to obtain shares of Entergy's common stock. According to the plans, these shares can be newly issued shares, treasury stock, or shares purchased on the open market. Entergy's management has been authorized by the Board to repurchase on the open market shares up to an amount sufficient to fund the exercise of grants under the plans.

In addition to the authority to fund grant exercises, the Board has authorized share repurchase programs to enable opportunistic purchases in response to market conditions. In October 2010 the Board granted authority for a \$500 million share repurchase program. As of December 31, 2018, \$350 million of authority remains under the \$500 million share repurchase program. The amount of repurchases may vary as a result of material changes in business results or capital spending or new investment opportunities, or if limitations in the credit markets continue for a prolonged period.

Sources of Capital

Entergy's sources to meet its capital requirements and to fund potential investments include:

- internally generated funds;
- cash on hand (\$481 million as of December 31, 2018);

securities issuances;
bank financing under new or existing facilities or commercial paper; and
sales of assets.

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Circumstances such as weather patterns, fuel and purchased power price fluctuations, and unanticipated expenses, including unscheduled plant outages and storms, could affect the timing and level of internally generated funds in the future.

Provisions within the organizational documents relating to preferred stock or membership interests of certain of Entergy Corporation's subsidiaries could restrict the payment of cash dividends or other distributions on their common and preferred equity. All debt and preferred equity issuances by the Registrant Subsidiaries require prior regulatory approval and their debt issuances are also subject to issuance tests set forth in bond indentures and other agreements. Entergy believes that the Registrant Subsidiaries have sufficient capacity under these tests to meet foreseeable capital needs.

The FERC has jurisdiction over securities issuances by the Utility operating companies and System Energy. The City Council has concurrent jurisdiction over Entergy New Orleans's securities issuances with maturities longer than one year. The APSC has concurrent jurisdiction over Entergy Arkansas's issuances of securities secured by Arkansas property, including first mortgage bond issuances. No regulatory approvals are necessary for Entergy Corporation to issue securities. The current FERC-authorized short-term borrowing limits and long-term borrowing limits for Entergy New Orleans are effective through October 2019. The current FERC-authorized short-term borrowing limits and long-term financing authorization for Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, Entergy Texas, and System Energy are effective through November 2020. Entergy Arkansas has obtained first mortgage bond/secured financing authorization from the APSC that extends through December 2020. Entergy New Orleans also has obtained long-term financing authorization from the City Council that extends through October 2019. Entergy Arkansas, Entergy Louisiana, and System Energy each have obtained long-term financing authorization from the FERC that extends through November 2020 for issuances by the nuclear fuel company variable interest entities. In addition to borrowings from commercial banks, the Registrant Subsidiaries may also borrow from the Entergy System money pool and from other internal short-term borrowing arrangements. The money pool and the other internal borrowing arrangements are inter-company borrowing arrangements designed to reduce Entergy's subsidiaries' dependence on external short-term borrowings. Borrowings from internal and external short-term borrowings combined may not exceed the FERC-authorized limits. See Notes 4 and 5 to the financial statements for further discussion of Entergy's borrowing limits, authorizations, and amounts outstanding.

Cash Flow Activity

As shown in Entergy's Consolidated Statements of Cash Flows, cash flows for the years ended December 31, 2018, 2017, and 2016 were as follows:

	2018	2017	2016
	(In Millions)		
Cash and cash equivalents at beginning of period	\$781	\$1,188	\$1,351
Net cash provided by (used in):			
Operating activities	2,385	2,624	2,999
Investing activities	(4,106)	(3,841)	(3,850)
Financing activities	1,421	810	688
Net decrease in cash and cash equivalents	(300)	(407)	(163)
Cash and cash equivalents at end of period	\$481	\$781	\$1,188

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Operating Activities

2018 Compared to 2017

Net cash flow provided by operating activities decreased by \$239 million in 2018 primarily due to:

the return of unprotected excess accumulated deferred income taxes to Utility customers. See Note 2 to the financial statements for a discussion of the regulatory activity regarding the Tax Cuts and Jobs Act;

lower Entergy Wholesale Commodities net revenue in 2018 as compared to the same period in 2017 (except for revenues resulting from the FitzPatrick reimbursement agreement with Exelon). See Note 14 to the financial statements for discussion of the reimbursement agreement;

a decrease due to the timing of recovery of fuel and purchased power costs in 2018 as compared to the prior year. See Note 2 to the financial statements for a discussion of fuel and purchased power cost recovery;

an increase of \$56 million in interest paid in 2018 as compared to the prior year resulting from an increase in interest expense;

income tax payments of \$20 million in 2018 compared to income tax refunds of \$13 million in 2017. Entergy made income tax payments in 2018 for estimated federal income taxes. Entergy received income tax refunds in 2017 resulting from the carryback of net operating losses; and

proceeds of \$2 million received in 2018 compared to proceeds of \$23 million received in 2017 from the DOE resulting from litigation regarding spent nuclear fuel storage costs that were previously expensed. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation.

The decrease was partially offset by:

the effect of favorable weather on billed Utility sales in 2018;

the timing of collection of receivables from Utility customers;

- a refund to customers in January 2017 of approximately \$71 million as a result of the settlement approved by the LPSC related to the Waterford 3 replacement steam generator project. See Note 2 to the financial statements for discussion of the settlement and refund;

a decrease of \$58 million in spending on nuclear refueling outages in 2018 as compared to the prior year; and

a decrease of \$57 million in severance and retention payments in 2018 as compared to the prior year. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" above for a discussion of management's strategy to reduce the size of the Entergy Wholesale Commodities' merchant fleet.

2017 Compared to 2016

Net cash flow provided by operating activities decreased by \$375 million in 2017 primarily due to:

lower Entergy Wholesale Commodities net revenue (except for revenues resulting from the FitzPatrick reimbursement agreement with Exelon) in 2017 as compared to prior year, as discussed above. See Note 14 to the financial statements for discussion of the reimbursement agreement;

an increase of \$141 million in spending on nuclear refueling outages in 2017 as compared to the prior year;

an increase of \$94 million in severance and retention payments in 2017 as compared to the prior year. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Entergy Wholesale Commodities Exit from the Merchant Power Business" above for a discussion of management's strategy to reduce the size of the Entergy

Wholesale Commodities' merchant fleet;

- a refund to customers in January 2017 of approximately \$71 million as a result of the settlement approved by the LPSC related to the Waterford 3 replacement steam generator project. See Note 2 to the financial statements for discussion of the settlement and refund;

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proceeds of \$23 million received in 2017 compared to proceeds of \$102 million received in 2016 from the DOE resulting from litigation regarding spent nuclear fuel storage costs that were previously expensed. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation; and an increase of \$20 million in pension contributions in 2017. See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Critical Accounting Estimates" below and Note 11 to the financial statements for discussion of qualified pension and other postretirement benefits funding.

The decrease was partially offset by:

income tax refunds of \$13 million in 2017 compared to income tax payments of \$95 million in 2016. Entergy received income tax refunds in 2017 resulting from the carryback of net operating losses. Entergy made income tax payments in 2016 related to the effect of the 2006-2007 IRS audit and for jurisdictions that do not have net operating loss carryovers or jurisdictions in which the utilization of net operating loss carryovers are limited;

- a decrease of \$68 million in interest paid in 2017 as compared to the prior year primarily due to an interest payment of \$60 million made in March 2016 related to the purchase of a beneficial interest in the Waterford 3 leased assets. See Note 10 to the financial statements for a discussion of Entergy Louisiana's purchase of a beneficial interest in the Waterford 3 leased assets; and

an increase due to the timing of recovery of fuel and purchased power costs in 2017 as compared to the prior year. See Note 2 to the financial statements for a discussion of fuel and purchased power cost recovery.

Investing Activities

2018 Compared to 2017

Net cash flow used in investing activities increased by \$265 million in 2018 primarily due to:

an increase of \$334 million in construction expenditures, primarily in the Utility business. The increase in construction expenditures in the Utility business is primarily due to an increase of \$205 million in fossil-fueled generation construction expenditures primarily due to higher spending in 2018 on self-build projects in the Utility business and an increase of \$88 million in nuclear construction expenditures primarily due to a higher scope of work performed during the Grand Gulf outage in 2018;

proceeds of \$100 million from the sale in March 2017 of the FitzPatrick plant to Exelon. See Note 14 to the financial statements for a discussion of the sale of FitzPatrick; and

collateral posted to provide credit support to secure its obligations under agreements to sell power produced by Entergy Wholesale Commodities' power plants.

The increase was partially offset by:

changes in the decommissioning trust funds, including portfolio rebalancing of certain decommissioning trust funds in 2018;

a decrease of \$75 million in nuclear fuel purchases due to variations from year to year in the timing and pricing of fuel reload requirements, material and services deliveries, and the timing of cash payments during the nuclear fuel cycle; and

an increase of \$34 million in proceeds received from the DOE in 2018 as compared to the prior year resulting from litigation regarding spent nuclear fuel storage costs that were previously capitalized. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation.

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2017 Compared to 2016

Net cash flow used in investing activities decreased by \$9 million in 2017 primarily due to the purchase of the Union Power Station for approximately \$949 million in March 2016 and proceeds of \$100 million from the sale in March 2017 of the FitzPatrick plant to Exelon. See Note 14 to the financial statements for discussion of the Union Power Station purchase and the sale of FitzPatrick. The decrease was partially offset by:

an increase of \$827 million in construction expenditures, primarily in the Utility business. The increase in construction expenditures in the Utility business is primarily due to an increase of \$452 million in fossil-fueled generation construction expenditures primarily due to higher spending in 2017 on the St. Charles Power Station project and the Lake Charles Power Station project and a higher scope of work performed on various other fossil projects in 2017 as compared to 2016; an increase of \$133 million in distribution construction expenditures primarily due to a higher scope of non-storm related work performed in 2017 as compared to 2016 and higher storm restoration spending in 2017; an increase of \$102 million in nuclear construction expenditures primarily due to increased spending on various nuclear projects in 2017 as compared to 2016; an increase of \$101 million in transmission construction expenditures primarily due to a higher scope of work performed on transmission projects in 2017 as compared to 2016; and an increase of \$51 million due to increased spending on advanced metering infrastructure in 2017;

a decrease of \$144 million in proceeds received from the DOE in 2017 as compared to the prior year resulting from litigation regarding spent nuclear fuel storage costs that were previously capitalized. See Note 8 to the financial statements for discussion of the spent nuclear fuel litigation; and

a decrease of \$63 million in nuclear fuel purchases due to variations from year to year in the timing and pricing of fuel reload requirements, material and services deliveries, and the timing of cash payments during the nuclear fuel cycle.

Financing Activities

2018 Compared to 2017

Net cash flow provided by financing activities increased by \$611 million in 2018 primarily due to:

long-term debt activity providing approximately \$1,070 million of cash in 2018 compared to \$224 million in 2017. Borrowings and repayments of borrowings on Entergy's long-term credit facility are included in long-term debt activity; and

proceeds from the issuance of common stock of \$499 million as a result of the settlement of equity forwards in 2018. See Note 7 to the financial statements for discussion of the equity forward sale agreements.

The increase was partially offset by a decrease of \$647 million in net issuances of commercial paper in 2018 compared to 2017 and a net decrease of \$152 million in 2018 in short-term borrowings by the nuclear fuel company variable interest entities.

2017 Compared to 2016

Net cash flow provided by financing activities increased by \$122 million in 2017 primarily due to:

Entergy's net issuances of \$1,123 million of commercial paper in 2017 compared to net repayments of \$78 million of commercial paper in 2016;

an increase of \$95 million resulting from lower redemptions of preferred stock. In 2017, Entergy New Orleans redeemed its \$7.8 million of 4.75% Series preferred stock, its \$6 million of 5.56% Series preferred stock, and its \$6 million of 4.36% Series preferred stock. In 2016, Entergy Arkansas redeemed its \$75 million of 6.45% Series preferred stock and its \$10 million of 6.08% Series preferred stock and Entergy Mississippi redeemed its \$30 million of 6.25% Series preferred stock;

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- an increase of \$48 million in treasury stock issuances in 2017 primarily due to a larger amount of previously repurchased Entergy Corporation common stock issued in 2017 to satisfy stock option exercises; and
- net borrowings of \$41 million by the nuclear fuel company variable interest entities in 2017 compared to net repayments of \$1 million in 2016.

The increase was partially offset by long-term debt activity providing approximately \$224 million of cash in 2017 compared to providing approximately \$1,489 million of cash in 2016. Borrowings and repayments of borrowings on Entergy’s long-term credit facility are included in long-term debt activity.

For the details of Entergy’s commercial paper program and the nuclear fuel company variable interest entities’ short-term borrowings, see Note 4 to the financial statements. See Note 5 to the financial statements for details of long-term debt.

Rate, Cost-recovery, and Other Regulation

State and Local Rate Regulation and Fuel-Cost Recovery

The rates that the Utility operating companies and System Energy charge for their services significantly influence Entergy’s financial position, results of operations, and liquidity. These companies are regulated and the rates charged to their customers are determined in regulatory proceedings. Governmental agencies, including the APSC, the LPSC, the MPSC, the City Council, the PUCT, and the FERC, are primarily responsible for approval of the rates charged to customers. Following is a summary of the Utility operating companies’ authorized returns on common equity:

Company	Authorized Return on Common Equity
Entergy Arkansas	9.25% - 10.25%
Entergy Louisiana	9.95% Electric (a); 9.45% - 10.45% Gas
Entergy Mississippi	9.28% - 11.36%
Entergy New Orleans	10.7% - 11.5% Electric; 10.25% - 11.25% Gas
Entergy Texas	9.65%

(a)Based on 2017 test year. Authorized return on common equity for 2018 and 2019 test years will be 9.2% - 10.4%.

The Utility operating companies’ base rate, fuel and purchased power cost recovery, and storm cost recovery proceedings are discussed in Note 2 to the financial statements.

Federal Regulation

The FERC regulates wholesale sales of electricity rates and interstate transmission of electricity, including rates for System Energy’s sales of capacity and energy from Grand Gulf to Entergy Arkansas, Entergy Louisiana, Entergy Mississippi, and Entergy New Orleans pursuant to the Unit Power Sales Agreement. The current return on equity and capital structure of System Energy are currently the subject of complaints filed by certain of the operating companies’ retail regulators. The current return on equity under the Unit Power Sales Agreement is 10.94%. Prior to each operating company’s termination of participation in the System Agreement (Entergy Arkansas in December 2013, Entergy Mississippi in November 2015, and Entergy Louisiana, Entergy New Orleans, and Entergy Texas each in August 2016), the Utility operating companies engaged in the coordinated planning, construction, and operation of generating and bulk transmission facilities under the terms of the System Agreement, which was a rate schedule approved by the FERC. Certain of the Utility operating companies’ retail regulators are pursuing litigation involving

the System Agreement at the FERC and in federal courts. See Note 2 to the financial statements for discussion of the

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System Agreement proceedings, the complaints filed with the FERC challenging System Energy's return on equity, and the amendments to the Unit Power Sales Agreement approved by the FERC in 2018.

Market and Credit Risk Sensitive Instruments

Market risk is the risk of changes in the value of commodity and financial instruments, or in future net income or cash flows, in response to changing market conditions. Entergy holds commodity and financial instruments that are exposed to the following significant market risks.

• The commodity price risk associated with the sale of electricity by the Entergy Wholesale Commodities business. The interest rate and equity price risk associated with Entergy's investments in pension and other postretirement benefit trust funds. See Note 11 to the financial statements for details regarding Entergy's pension and other postretirement benefit trust funds.

The interest rate and equity price risk associated with Entergy's investments in nuclear plant decommissioning trust funds, particularly in the Entergy Wholesale Commodities business. See Note 16 to the financial statements for details regarding Entergy's decommissioning trust funds.

The interest rate risk associated with changes in interest rates as a result of Entergy's outstanding indebtedness. Entergy manages its interest rate exposure by monitoring current interest rates and its debt outstanding in relation to total capitalization. See Notes 4 and 5 to the financial statements for the details of Entergy's debt outstanding.

The Utility has limited exposure to the effects of market risk because it operates primarily under cost-based rate regulation. To the extent approved by their retail regulators, the Utility operating companies use commodity and financial instruments to hedge the exposure to price volatility inherent in their purchased power, fuel, and gas purchased for resale costs that are recovered from customers.

Entergy's commodity and financial instruments are also exposed to credit risk. Credit risk is the risk of loss from nonperformance by suppliers, customers, or financial counterparties to a contract or agreement. Entergy is also exposed to a potential demand on liquidity due to credit support requirements within its supply or sales agreements.

Commodity Price Risk

Power Generation

As a wholesale generator, Entergy Wholesale Commodities' core business is selling energy, measured in MWh, to its customers. Entergy Wholesale Commodities enters into forward contracts with its customers and also sells energy in the day ahead or spot markets. Entergy Wholesale Commodities also sells unforced capacity, which allows load-serving entities to meet specified reserve and related requirements placed on them by the ISOs in their respective areas. Entergy Wholesale Commodities' forward physical power contracts consist of contracts to sell energy only, contracts to sell capacity only, and bundled contracts in which it sells both capacity and energy. While the terminology and payment mechanics vary in these contracts, each of these types of contracts requires Entergy Wholesale Commodities to deliver MWh of energy, make capacity available, or both. In addition to its forward physical power contracts, Entergy Wholesale Commodities may also use a combination of financial contracts, including swaps, collars, and options, to manage forward commodity price risk. The sensitivities may not reflect the total maximum upside potential from higher market prices. The information contained in the following table represents projections at a point in time and will vary over time based on numerous factors, such as future market prices, contracting activities, and generation. Following is a summary of Entergy Wholesale Commodities' current

forward capacity and generation contracts as well as total revenue projections based on market prices as of December 31, 2018.

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Entergy Wholesale Commodities Nuclear Portfolio

	2019	2020	2021	2022
Energy				
Percent of planned generation under contract (a):				
Unit-contingent (b)	98%	94%	91%	66%
Planned generation (TWh) (c) (d)	25.6	17.7	9.6	2.8
Average revenue per MWh on contracted volumes:				
Expected based on market prices as of December 31, 2018	\$39.7	\$42.1	\$56.8	\$58.8
Capacity				
Percent of capacity sold forward (e):				
Bundled capacity and energy contracts (f)	26%	37%	68%	97%
Capacity contracts (g)	32%	5%	—%	—%
Total	58%	42%	68%	97%
Planned net MW in operation (average) (d)	3,167	2,195	1,158	338
Average revenue under contract per kW per month (applies to capacity contracts only)	\$5.9	\$2.3	\$—	\$—
Total Energy and Capacity Revenues (h)				
Expected sold and market total revenue per MWh	\$44.4	\$45.1	\$54.9	\$47.3
Sensitivity: -/+ \$10 per MWh market price change	\$44.2 - \$44.6	\$44.9 - \$45.3	\$54.0 - \$55.8	\$43.9 -\$50.8

Percent of planned generation output sold or purchased forward under contracts, forward physical contracts, (a) forward financial contracts, or options that mitigate price uncertainty. Positions that are not classified as hedges are netted in the planned generation under contract.

Transaction under which power is supplied from a specific generation asset; if the asset is not operating, the seller is generally not liable to the buyer for any damages. Certain unit-contingent sales include a guarantee of (b) availability. Availability guarantees provide for the payment to the power purchaser of contract damages, if incurred, in the event the seller fails to deliver power as a result of the failure of the specified generation unit to generate power at or above a specified availability threshold. All of Entergy's outstanding guarantees of availability provide for dollar limits on Entergy's maximum liability under such guarantees.

(c) Amount of output expected to be generated by Entergy Wholesale Commodities nuclear resources considering plant operating characteristics, outage schedules, and expected market conditions that affect dispatch.

Assumes the planned shutdown of Pilgrim on May 31, 2019, planned shutdown of Indian Point 2 on April 30, 2020, planned shutdown of Indian Point 3 on April 30, 2021, and planned shutdown of Palisades on May 31, 2022.

(d) For a discussion regarding the planned shutdown of the Pilgrim, Indian Point 2, Indian Point 3, and Palisades plants, see "Entergy Wholesale Commodities Exit from the Merchant Power Business" above.

(e) Percent of planned qualified capacity sold to mitigate price uncertainty under physical or financial transactions.

(f) A contract for the sale of installed capacity and related energy, priced per megawatt-hour sold.

(g) A contract for the sale of an installed capacity product in a regional market.

Includes assumptions on converting a portion of the portfolio to contracted with fixed price cost or discount and

(h) excludes non-cash revenue from the amortization of the Palisades below-market purchased power agreement, mark-to-market activity, and service revenues.

Entergy estimates that a positive \$10 per MWh change in the annual average energy price in the markets in which the Entergy Wholesale Commodities nuclear business sells power, based on the respective year-end market

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conditions, planned generation volumes, and hedged positions, would have a corresponding effect on pre-tax income of \$6 million in 2019 and would have had a corresponding effect on pre-tax income of \$3 million in 2018. A negative \$10 per MWh change in the annual average energy price in the markets based on the respective year-end market conditions, planned generation volumes, and hedged positions, would have a corresponding effect on pre-tax income of (\$6) million in 2019 and would have had a corresponding effect on pre-tax income of (\$3) million in 2018.

Some of the agreements to sell the power produced by Entergy Wholesale Commodities' power plants contain provisions that require an Entergy subsidiary to provide credit support to secure its obligations under the agreements. The Entergy subsidiary is required to provide credit support based upon the difference between the current market prices and contracted power prices in the regions where Entergy Wholesale Commodities sells power. The primary form of credit support to satisfy these requirements is an Entergy Corporation guarantee. Cash and letters of credit are also acceptable forms of credit support. At December 31, 2018, based on power prices at that time, Entergy had liquidity exposure of \$126 million under the guarantees in place supporting Entergy Wholesale Commodities transactions and \$52 million of posted cash collateral. In the event of a decrease in Entergy Corporation's credit rating to below investment grade, based on power prices as of December 31, 2018, Entergy would have been required to provide approximately \$69 million of additional cash or letters of credit under some of the agreements. As of December 31, 2018, the liquidity exposure associated with Entergy Wholesale Commodities assurance requirements, including return of previously posted collateral from counterparties, would increase by \$310 million for a \$1 per MMBtu increase in gas prices in both the short- and long-term markets.

As of December 31, 2018, substantially all of the credit exposure associated with the planned energy output under contract for Entergy Wholesale Commodities nuclear plants through 2022 is with counterparties or their guarantors that have public investment grade credit ratings.

Nuclear Matters

Entergy's Utility and Entergy Wholesale Commodities businesses include the ownership and operation of nuclear generating plants and are, therefore, subject to the risks related to such ownership and operation. These include risks related to: the use, storage, and handling and disposal of high-level and low-level radioactive materials; the substantial financial requirements, both for capital investments and operational needs, to position Entergy's nuclear fleet to meet its operational goals, including the financial requirements to address emerging issues like stress corrosion cracking of certain materials within the plant systems and the Fukushima event; the implementation of plans to cease merchant generation at all Entergy Wholesale Commodities nuclear plants by 2022 and the post-shutdown decommissioning of these plants; regulatory requirements and potential future regulatory changes, including changes affecting the regulations governing nuclear plant ownership, operations, license renewal and amendments, and decommissioning; the performance and capacity factors of these nuclear plants; the availability of interim or permanent sites for the disposal of spent nuclear fuel and nuclear waste, including the fees charged for such disposal; the sufficiency of nuclear decommissioning trust fund assets and earnings to complete decommissioning of each site when required; and limitations on the amounts and types of insurance commercially available for losses in connection with nuclear plant operations and catastrophic events such as a nuclear accident.

NRC Reactor Oversight Process

The NRC's Reactor Oversight Process is a program to collect information about plant performance, assess the information for its safety significance, and provide for appropriate licensee and NRC response. The NRC evaluates plant performance by analyzing two distinct inputs: inspection findings resulting from the NRC's inspection program

and performance indicators reported by the licensee. The evaluations result in the placement of each plant in one of the NRC's Reactor Oversight Process Action Matrix columns: "licensee response column," or Column 1, "regulatory response column," or Column 2, "degraded cornerstone column," or Column 3, and "multiple/repetitive degraded cornerstone column," or Column 4. Plants in Column 1 are subject to normal NRC inspection activities. Plants in Column 2, Column 3, or Column 4 are subject to progressively increasing levels of inspection by the NRC with, in general, progressively increasing levels of associated costs.

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ANO

See Note 8 to the financial statements for discussion of the NRC's decision in March 2015 to move ANO into the "multiple/repetitive degraded cornerstone column," or Column 4, of the NRC's Reactor Oversight Process Action Matrix, and the resulting significant additional NRC inspection activities at the ANO site. In June 2018 the NRC moved ANO 1 and ANO 2 into the "licensee response column," or Column 1, of the NRC's Reactor Oversight Process Action Matrix. This action followed NRC inspections to review ANO 1's and ANO 2's performance in addressing issues that had previously resulted in classification in Column 4.

Pilgrim

See Note 8 to the financial statements for discussion of the NRC's decision in September 2015 to place Pilgrim in Column 4 of its Reactor Oversight Process Action Matrix due to its finding of continuing weaknesses in Pilgrim's corrective action program that contributed to repeated unscheduled shutdowns and equipment failures.

Grand Gulf

Based on the plant's performance indicators, in November 2016 the NRC placed Grand Gulf in the "regulatory response column," or Column 2, of its Reactor Oversight Process Action Matrix. In August 2018 the NRC moved Grand Gulf into the "licensee response column," or Column 1, of the NRC's Reactor Oversight Process Action Matrix. This action followed NRC inspections to review Grand Gulf's performance in addressing issues that had previously resulted in classification in Column 2. Based on performance indicator data for the third quarter 2018, Grand Gulf moved back to Column 2 due to a reduction in power to address an operational issue with a plant system that resulted in the threshold for one of the NRC's performance indicators being exceeded.

Critical Accounting Estimates

The preparation of Entergy's financial statements in conformity with generally accepted accounting principles requires management to apply appropriate accounting policies and to make estimates and judgments that can have a significant effect on reported financial position, results of operations, and cash flows. Management has identified the following accounting estimates as critical because they are based on assumptions and measurements that involve a high degree of uncertainty, and the potential for future changes in these assumptions and measurements could produce estimates that would have a material effect on the presentation of Entergy's financial position, results of operations, or cash flows.

Nuclear Decommissioning Costs

Entergy subsidiaries own nuclear generation facilities in both the Utility and Entergy Wholesale Commodities operating segments. Regulations require Entergy subsidiaries to decommission the nuclear power plants after each facility is taken out of service, and cash is deposited in trust funds during the facilities' operating lives in order to provide for this obligation. Entergy conducts periodic decommissioning cost studies to estimate the costs that will be incurred to decommission the facilities. The following key assumptions have a significant effect on these estimates.

• **Timing** - In projecting decommissioning costs, two assumptions must be made to estimate the timing of plant decommissioning. First, the date of the plant's retirement must be estimated for those plants that do not have an announced shutdown date. The estimate may include assumptions regarding the possibility that the plant may have an

operating life shorter than the operating license expiration. Second, an assumption must be made regarding whether all decommissioning activity will proceed immediately upon plant retirement, or whether the plant will be placed in SAFSTOR status. SAFSTOR is decommissioning a facility by placing it in a safe, stable condition that is maintained until it is subsequently decontaminated and dismantled to levels that permit license termination, normally within 60 years from permanent cessation of operations. A change of assumption

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regarding either the period of continued operation, the use of a SAFSTOR period, or whether Entergy will continue to hold the plant or the plant is held for sale can change the present value of the asset retirement obligation.

Cost Escalation Factors - Entergy's current decommissioning cost studies include an assumption that decommissioning costs will escalate over present cost levels by factors ranging from approximately 2% to 3% annually. A 50-basis point change in this assumption could change the estimated present value of the decommissioning liabilities by approximately 6% to 18%. The timing assumption influences the significance of the effect of a change in the estimated inflation or cost escalation rate because the effect increases with the length of time assumed before decommissioning activity ends.

Spent Fuel Disposal - Federal law requires the DOE to provide for the permanent storage of spent nuclear fuel, and legislation has been passed by Congress to develop a repository at Yucca Mountain, Nevada. The DOE has not yet begun accepting spent nuclear fuel and is in non-compliance with federal law. The DOE continues to delay meeting its obligation and Entergy's nuclear plant owners are continuing to pursue damage claims against the DOE for its failure to provide timely spent fuel storage. Until a federal site is available, however, nuclear plant operators must provide for interim spent fuel storage on the nuclear plant site, which can require the construction and maintenance of dry cask storage sites or other facilities. The costs of developing and maintaining these facilities during the decommissioning period can have a significant effect (as much as an average of 20% to 30% of total estimated decommissioning costs). Entergy's decommissioning studies include cost estimates for spent fuel storage. These estimates could change in the future, however, based on the expected timing of when the DOE begins to fulfill its obligation to receive and store spent nuclear fuel. See Note 8 to the financial statements for further discussion of Entergy's spent nuclear fuel litigation.

Technology and Regulation - Over the past several years, more practical experience with the actual decommissioning of nuclear facilities has been gained and that experience has been incorporated into Entergy's current decommissioning cost estimates. Given the long duration of decommissioning projects, additional experience, including technological advancements in decommissioning, could be gained, however, and affect current cost estimates. In addition, if regulations regarding nuclear decommissioning were to change, this could significantly affect cost estimates.

Interest Rates - The estimated decommissioning costs that are the basis for the recorded decommissioning liability are discounted to present value using a credit-adjusted risk-free rate. When the decommissioning liability is revised, increases in cash flows are discounted using the current credit-adjusted risk-free rate. Decreases in estimated cash flows are discounted using the credit-adjusted risk-free rate used previously in estimating the decommissioning liability that is being revised. Therefore, to the extent that a revised cost study results in an increase in estimated cash flows, a change in interest rates from the time of the previous cost estimate will affect the calculation of the present value of the revised decommissioning liability.

Revisions of estimated decommissioning costs that decrease the liability also result in a decrease in the asset retirement cost asset. For the non-rate-regulated portions of Entergy's business for which the plant's value is impaired, these reductions will immediately reduce operating expenses in the period of the revision if the reduction of the liability exceeds the amount of the undepreciated plant asset at the date of the revision. Revisions of estimated decommissioning costs that increase the liability result in an increase in the asset retirement cost asset, which is then depreciated over the asset's remaining economic life. For a plant in the non-rate-regulated portions of Entergy's business for which the plant's value is impaired, however, including a plant that is shutdown, or is nearing its shutdown date, the increase in the liability is likely to immediately increase operating expense in the period of the revision and not increase the asset retirement cost asset. See Note 14 to the financial statements for further discussion of impairment of long-lived assets and Note 9 to the financial statements for further discussion of asset retirement obligations.

Utility Regulatory Accounting

Entergy's Utility operating companies and System Energy are subject to retail regulation by their respective state and local regulators and to wholesale regulation by the FERC. Because these regulatory agencies set the rates the Utility operating companies and System Energy are allowed to charge customers based on allowable costs, including a reasonable return on equity, the Utility operating companies and System Energy apply accounting standards that

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require the financial statements to reflect the effects of rate regulation, including the recording of regulatory assets and liabilities. Regulatory assets represent incurred costs that have been deferred because they are probable of future recovery from customers through regulated rates. Regulatory liabilities represent the excess recovery of costs that have been deferred because it is probable such amounts will be returned to customers through future regulated rates. See Note 2 to the financial statements for a discussion of rate and regulatory matters, including details of Entergy's and the Registrant Subsidiaries' regulatory assets and regulatory liabilities.

For each regulatory jurisdiction in which they conduct business, the Utility operating companies and System Energy assess whether the regulatory assets and regulatory liabilities continue to meet the criteria for probable future recovery or settlement at each balance sheet date and when regulatory events occur. This assessment includes consideration of recent rate orders, historical regulatory treatment for similar costs, and factors such as changes in applicable regulatory and political environments. If the assessments made by the Utility operating companies and System Energy are ultimately different than actual regulatory outcomes, it could materially affect the results of operations, financial position, and cash flows of Entergy or the Registrant Subsidiaries.

Impairment of Long-lived Assets and Trust Fund Investments

Entergy has significant investments in long-lived assets in both of its operating segments, and Entergy evaluates these assets against the market economics and under the accounting rules for impairment when there are indications that an impairment may exist. This evaluation involves a significant degree of estimation and uncertainty. In the Entergy Wholesale Commodities business, Entergy's investments in merchant generation assets are subject to impairment if adverse market or regulatory conditions arise, particularly if it leads to a decision or an expectation that Entergy will operate or own a plant for a shorter period than previously expected; if there is a significant adverse change in the physical condition of a plant; or, if investment in a plant significantly exceeds previously-expected amounts.

If an asset is considered held for use, and Entergy concludes that events and circumstances are present indicating that an impairment analysis should be performed under the accounting standards, the sum of the expected undiscounted future cash flows from the asset are compared to the asset's carrying value. The carrying value of the asset includes any capitalized asset retirement cost associated with the decommissioning liability; therefore, changes in assumptions that affect the decommissioning liability can increase or decrease the carrying value of the asset subject to impairment. If the expected undiscounted future cash flows exceed the carrying value, no impairment is recorded. If the expected undiscounted future cash flows are less than the carrying value and the carrying value exceeds the fair value, Entergy is required to record an impairment charge to write the asset down to its fair value. If an asset is considered held for sale, an impairment is required to be recognized if the fair value (less costs to sell) of the asset is less than its carrying value.

The expected future cash flows are based on a number of key assumptions, including:

- Future power and fuel prices - Electricity and gas prices can be very volatile. This volatility increases the imprecision inherent in the long-term forecasts of commodity prices that are a key determinant of estimated future cash flows.

- Market value of generation assets - Valuing assets held for sale requires estimating the current market value of generation assets. While market transactions provide evidence for this valuation, these transactions are relatively infrequent, the market for such assets is volatile, and the value of individual assets is affected by factors unique to those assets.

- Future operating costs - Entergy assumes relatively minor annual increases in operating costs. Technological or regulatory changes that have a significant effect on operations could cause a significant change in these assumptions.

Timing and the life of the asset - Entergy assumes an expected life of the asset. A change in the timing assumption, whether due to management decisions regarding operation of the plant, the regulatory process, or operational or other factors, could have a significant effect on the expected future cash flows and result in a significant effect on operations.

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See Note 14 to the financial statements for a discussion of impairment conclusions related to the Entergy Wholesale Commodities nuclear plants.

Entergy evaluates the available-for-sale debt securities in the Entergy Wholesale Commodities' nuclear decommissioning trust funds with unrealized losses at the end of each period to determine whether an other-than-temporary impairment has occurred. The assessment of whether an investment in a debt security has suffered an other-than-temporary impairment is based on whether Entergy has the intent to sell or more likely than not will be required to sell the debt security before recovery of its amortized costs. If Entergy does not expect to recover the entire amortized cost basis of the debt security, an other-than-temporary-impairment is considered to have occurred and it is measured by the present value of cash flows expected to be collected less the amortized cost basis (credit loss). Entergy's trusts are managed by third parties who operate in accordance with agreements that define investment guidelines and place restrictions on the purchases and sales of investments. Effective January 1, 2018 with the adoption of ASU 2016-01, unrealized losses and gains on investments in equity securities held by the Entergy Wholesale Commodities' nuclear decommissioning trust funds are recorded in earnings as they occur. See Note 16 to the financial statements for details on the decommissioning trust funds.

Taxation and Uncertain Tax Positions

Management exercises significant judgment in evaluating the potential tax effects of Entergy's operations, transactions, and other events. Entergy accounts for uncertain income tax positions using a recognition model under a two-step approach with a more likely-than-not recognition threshold and a measurement approach based on the largest amount of tax benefit that is greater than 50% likely of being realized upon settlement. Management evaluates each tax position based on the technical merits and facts and circumstances of the position, assuming the position will be examined by a taxing authority having full knowledge of all relevant information. Significant judgment is required to determine whether available information supports the assertion that the recognition threshold has been met. Additionally, measurement of unrecognized tax benefits to be recorded in the consolidated financial statements is based on the probability of different potential outcomes. Income tax expense and tax positions recorded could be significantly affected by events such as additional transactions contemplated or consummated by Entergy as well as audits by taxing authorities of the tax positions taken in transactions. Management believes that the financial statement tax balances are accounted for and adjusted appropriately each quarter as necessary in accordance with applicable authoritative guidance; however, the ultimate outcome of tax matters could result in favorable or unfavorable effects on the consolidated financial statements. Entergy's income taxes, including unrecognized tax benefits, open audits, and other significant tax matters are discussed in Note 3 to the financial statements.

See "MANAGEMENT'S FINANCIAL DISCUSSION AND ANALYSIS - Income Tax Legislation" above and Note 3 to the financial statements for discussion of the effects of the Tax Cuts and Jobs Act, the federal income tax legislation enacted in December 2017.

Qualified Pension and Other Postretirement Benefits

Entergy sponsors qualified, defined benefit pension plans that cover substantially all employees, including cash balance plans and final average pay plans. Additionally, Entergy currently provides other postretirement health care and life insurance benefits for substantially all full-time employees whose most recent date of hire or rehire is before July 1, 2014 and who reach retirement age and meet certain eligibility requirements while still working for Entergy.

Entergy's reported costs of providing these benefits, as described in Note 11 to the financial statements, are affected by numerous factors including the provisions of the plans, changing employee demographics, and various actuarial calculations, assumptions, and accounting mechanisms. Because of the complexity of these calculations, the long-term nature of these obligations, and the importance of the assumptions utilized, Entergy's estimate of these costs is a critical accounting estimate for the Utility and Entergy Wholesale Commodities segments.

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Assumptions

Key actuarial assumptions utilized in determining qualified pension and other postretirement health care and life insurance costs include discount rates, projected healthcare cost rates, expected long-term rate of return on plan assets, rate of increase in future compensation levels, retirement rates, expected timing and form of payments, and mortality rates.

Annually, Entergy reviews and, when necessary, adjusts the assumptions for the pension and other postretirement plans. Every three-to-five years, a formal actuarial assumption experience study that compares assumptions to the actual experience of the pension and other postretirement health care and life insurance plans is conducted. The interest rate environment over the past few years and volatility in the financial equity markets have affected Entergy's funding and reported costs for these benefits.

Discount rates

In selecting an assumed discount rate to calculate benefit obligations, Entergy uses a yield curve based on high-quality corporate debt with cash flows matching the expected plan benefit payments. In estimating the service cost and interest cost components of net periodic benefit cost, Entergy discounts the expected cash flows by the applicable spot rates.

Projected health care cost trend rates

Entergy's health care cost trend is affected by both medical cost inflation, and with respect to capped costs under the plan, the effects of general inflation. Entergy reviews actual recent cost trends and projected future trends in establishing its health care cost trend rates.

Expected long-term rate of return on plan assets

In determining its expected long-term rate of return on plan assets used in the calculation of benefit plan costs, Entergy reviews past performance, current and expected future asset allocations, and capital market assumptions of its investment consultant and some of its investment managers. Entergy conducts periodic asset/liability studies in order to set its target asset allocations.

In 2017, Entergy confirmed its liability-driven investment strategy for its pension assets, which recommended that the target asset allocation adjust dynamically over time, based on the funded status of the plan, to an ultimate allocation of 35% equity securities and 65% fixed income securities. The ultimate asset allocation is expected to be attained when the plan is 105% funded. The target pension asset allocation for 2018 was 58% equity and 42% fixed income securities.

In 2017, Entergy implemented a new asset allocation strategy for its non-taxable and taxable other postretirement assets, based on the funded status of each sub-account within each trust. The new strategy no longer focuses on targeting an overall asset allocation for each trust, but rather a target asset allocation for each sub-account within each trust that adjusts dynamically based on the funded status. The 2018 weighted average target postretirement asset allocation is 45% equity and 55% fixed income securities. See Note 11 to the financial statements for discussion of the current asset allocations for Entergy's pension and other postretirement assets.

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Costs and Sensitivities

The estimated 2019 and actual 2018 qualified pension and other postretirement costs and related underlying assumptions and sensitivities are shown below:

Costs	Estimated 2019 (In Millions)	2018
Qualified pension cost	\$248.4	\$255.6
Other postretirement (income)/cost	(\$5.6)	\$13.1
Assumptions	2019	2018
Discount rates		
Qualified pension		
Service cost	4.57%	3.89%
Interest cost	4.15%	3.44%
Other postretirement		
Service cost	4.62%	3.88%
Interest cost	4.01%	3.33%
Expected long-term rates of return		
Qualified pension assets	7.25%	7.50%
Other postretirement - non-taxable assets	6.50% - 7.25%	6.50% - 7.50%
Other postretirement - taxable assets - after tax rate	5.50%	5.50%
Weighted-average rate of future compensation	3.98%	3.98%
Assumed health care cost trend rates		
Pre-65 retirees	6.59%	6.95%
Post-65 retirees	7.15%	7.25%
Ultimate rate	4.75%	4.75%
Year ultimate rate is reached and beyond		
Pre-65 retirees	2027	2027
Post-65 retirees	2026	2027

Actual asset returns have an effect on Entergy's qualified pension and other postretirement costs. In 2018, Entergy's actual average annual return on qualified pension assets was approximately (5%) and for other postretirement assets was approximately (4%), as compared with the 2018 expected long-term rates of return discussed above.

The following chart reflects the sensitivity of qualified pension cost and qualified pension projected benefit obligation to changes in certain actuarial assumptions (dollars in millions):

Actuarial Assumption	Change in Assumption Increase/(Decrease)	Impact on 2019 Qualified Pension Cost	Impact on 2018 Qualified Projected Benefit Obligation
Discount rate	(0.25%)	\$21	\$210
Rate of return on plan assets	(0.25%)	\$14	\$—
	0.25%	\$7	\$34

Rate of increase in
compensation

40

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The following chart reflects the sensitivity of postretirement benefit cost and accumulated postretirement benefit obligation to changes in certain actuarial assumptions (dollars in millions):

Actuarial Assumption	Change in Assumption Increase/(Decrease)	Impact on 2019 Postretirement Benefit Cost	Impact on 2018 Accumulated Postretirement Benefit Obligation
Discount rate	(0.25%)	\$2	\$37
Health care cost trend	0.25%	\$3	\$29

Each fluctuation above assumes that the other components of the calculation are held constant.

Accounting Mechanisms

In accordance with pension accounting standards, Entergy utilizes a number of accounting mechanisms that reduce the volatility of reported pension costs. Differences between actuarial assumptions and actual plan results are deferred and are amortized into expense only when the accumulated differences exceed 10% of the greater of the projected benefit obligation or the market-related value of plan assets. If necessary, the excess is amortized over the average remaining service period of active employees. Additionally, accounting standards allow for the deferral of prior service costs/credits arising from plan amendments that attribute an increase or decrease in benefits to employee service in prior periods. Prior service costs/credits are then amortized into expense over the average future working life of active employees. Certain decisions, including workforce reductions, plan amendments, and plant shutdowns may significantly reduce the expense amortization period and result in immediate recognition of certain previously-deferred costs and gains/losses in the form of curtailment gains or losses. Similarly, payments made to settle benefit obligations, including lump sum benefit payments, can also result in recognition in the form of settlement losses or gains.

Entergy calculates the expected return on pension and other postretirement benefit plan assets by multiplying the long-term expected rate of return on assets by the market-related value (MRV) of plan assets. Entergy determines the MRV of pension plan assets by calculating a value that uses a 20-quarter phase-in of the difference between actual and expected returns. For other postretirement benefit plan assets Entergy uses fair value when determining MRV.

Accounting standards require an employer to recognize in its balance sheet the funded status of its benefit plans. See Note 11 to the financial statements for a further discussion of Entergy's funded status.

Funding

Entergy's pension funding in 2018 was \$383.5 million. Entergy estimates pension contributions will be approximately \$176.9 million in 2019; although the 2019 required pension contributions will be known with more certainty when the January 1, 2019 valuations are completed, which is expected by April 1, 2019.

Minimum required funding calculations as determined under Pension Protection Act guidance are performed annually as of January 1 of each year and are based on measurements of the assets and funding liabilities as measured at that date. Any excess of the funding liability over the calculated fair market value of assets results in a funding shortfall that, under the Pension Protection Act, must be funded over a seven-year rolling period. The Pension Protection Act also imposes certain plan limitations if the funded percentage, which is based on calculated fair market values of assets divided by funding liabilities, does not meet certain thresholds. For funding purposes, asset gains and losses are smoothed in to the calculated fair market value of assets. The funding liability is based upon a weighted average

24-month corporate bond rate published by the U.S. Treasury which is generally subject to a corridor of the 25-year average of prior segment rates. Periodic changes in asset returns and interest rates can affect funding shortfalls and future cash contributions.

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Entergy contributed \$43.8 million to its postretirement plans in 2018 and plans to contribute \$47.6 million in 2019.

Other Contingencies

As a company with multi-state utility operations, Entergy is subject to a number of federal and state laws and regulations and other factors and conditions in the areas in which it operates, which potentially subjects it to environmental, litigation, and other risks. Entergy periodically evaluates its exposure for such risks and records a provision for those matters which are considered probable and estimable in accordance with generally accepted accounting principles.

Environmental

Entergy must comply with environmental laws and regulations applicable to air emissions, water discharges, solid waste (including coal combustion residuals), hazardous waste, toxic substances, protected species, and other environmental matters. Under these various laws and regulations, Entergy could incur substantial costs to comply or address any impacts to the environment. Entergy conducts studies to determine the extent of any required remediation and has recorded liabilities based upon its evaluation of the likelihood of loss and expected dollar amount for each issue. Additional sites or issues could be identified which require environmental remediation or corrective action for which Entergy could be liable. The amounts of environmental liabilities recorded can be significantly affected by the following external events or conditions.

- Changes to existing federal, state, or local regulation by governmental authorities having jurisdiction over air quality, water quality, control of toxic substances and hazardous and solid wastes, and other environmental matters.
- The identification of additional impacts, sites, issues, or the filing of other complaints in which Entergy may be asserted to be a potentially responsible party.
- The resolution or progression of existing matters through the court system or resolution by the EPA or relevant state or local authority.

Litigation

Entergy is regularly named as a defendant in a number of lawsuits involving employment, customers, and injuries and damages issues, among other matters. Entergy periodically reviews the cases in which it has been named as defendant and assesses the likelihood of loss in each case as probable, reasonably possible, or remote and records liabilities for cases that have a probable likelihood of loss and the loss can be estimated. Given the environment in which Entergy operates, and the unpredictable nature of many of the cases in which Entergy is named as a defendant, the ultimate outcome of the litigation to which Entergy is exposed has the potential to materially affect the results of operations, financial position, and cash flows of Entergy or the Registrant Subsidiaries.

New Accounting Pronouncements

See Note 1 to the financial statements for discussion of new accounting pronouncements.

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ENTERGY CORPORATION AND SUBSIDIARIES
REPORT OF MANAGEMENT

Management of Entergy Corporation and its subsidiaries has prepared and is responsible for the financial statements and related financial information included in this document. To meet this responsibility, management establishes and maintains a system of internal controls over financial reporting designed to provide reasonable assurance regarding the preparation and fair presentation of financial statements in accordance with generally accepted accounting principles. This system includes communication through written policies and procedures, an employee Code of Entegrity, and an organizational structure that provides for appropriate division of responsibility and training of personnel. This system is also tested by a comprehensive internal audit program.

Entergy management assesses the design and effectiveness of Entergy's internal control over financial reporting on an annual basis. In making this assessment, management uses the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in Internal Control - Integrated Framework. The 2013 COSO Framework was utilized for management's assessment. Management acknowledges, however, that all internal control systems, no matter how well designed, have inherent limitations and can provide only reasonable assurance with respect to financial statement preparation and presentation.

Entergy Corporation's independent registered public accounting firm, Deloitte & Touche LLP, has issued an attestation report on the effectiveness of Entergy Corporation's internal control over financial reporting as of December 31, 2018.

In addition, the Audit Committee of the Board of Directors, composed solely of independent Directors, meets with the independent auditors, internal auditors, management, and internal accountants periodically to discuss internal controls, and auditing and financial reporting matters. The Audit Committee appoints the independent auditors annually, seeks shareholder ratification of the appointment, and reviews with the independent auditors the scope and results of the audit effort. The Audit Committee also meets periodically with the independent auditors and the chief internal auditor without management present, providing free access to the Audit Committee.

Based on management's assessment of internal controls using the 2013 COSO criteria, management believes that Entergy and each of the Registrant Subsidiaries maintained effective internal control over financial reporting as of December 31, 2018. Management further believes that this assessment, combined with the policies and procedures noted above, provides reasonable assurance that Entergy's and each of the Registrant Subsidiaries' financial statements are fairly and accurately presented in accordance with generally accepted