CMS ENERGY CORP Form 10-K February 11, 2016 Table of Contents

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-K

x	ANNUAL REPORT PURSUA	ANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE	ACT OF 1934
		For the fiscal year ended December 31, 2015	
		OR	
0	TRANSITION REPORT PU	RSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANG	E ACT OF 1934
		For the transition period fromto	
	Commission File Number 1-9513	Registrant; State of Incorporation; Address; and Telephone Number CMS ENERGY CORPORATION (A Michigan Corporation) One Energy Plaza, Jackson, Michigan 49201 (517) 788-0550	IRS Employer Identification No 38-2726431
	1-5611	CONSUMERS ENERGY COMPANY (A Michigan Corporation) One Energy Plaza, Jackson, Michigan 49201 (517) 788-0550	38-0442310
Sec	urities registered pursuant to Sec	tion 12(b) of the Act:	
CM	<u>cistrant</u> IS Energy Corporation nsumers Energy Company	<u>Title of Class</u> Common Stock, \$0.01 par value Cumulative Preferred Stock, \$100 par value: \$4.50 Series	Name of Each Exchange on Which Registered New York Stock Exchange New York Stock Exchange

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

CMS Energy Corporation: Yes x No o

Consumers Energy Company: Yes x No o

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

CMS Energy Corporation: Yes o No x

Consumers Energy Company: Yes o No x

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

CMS Energy Corporation: Yes x No o

Consumers Energy Company: Yes x No o

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data file required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).

CMS Energy Corporation: Yes x No o

Consumers Energy Company: Yes x No o

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 registrant s knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. x

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

CMS Energy Corporation:

Large accelerated filer x Accelerated filer o

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

Smaller reporting company o

Consumers Energy Company:

Large accelerated filer o Accelerated filer o

Non-Accelerated filer $x \hspace{0.1cm}$ (Do not check if a smaller reporting company)

Smaller reporting company o

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

CMS Energy Corporation: Yes o No x

Consumers Energy Company: Yes o No x

The aggregate market value of CMS Energy voting and non-voting common equity held by non-affiliates was \$8.736 billion for the 274,372,316 CMS Energy Common Stock shares outstanding on June 30, 2015 based on the closing sale price of \$31.84 for CMS Energy Common Stock, as reported by the New York Stock Exchange on such date. There were no shares of Consumers common equity held by non-affiliates as of June 30, 2015.

There were 277,970,146 shares of CMS Energy Common Stock outstanding on January 13, 2016, including 803,551 shares owned by Consumers Energy Company. On January 13, 2016, CMS Energy held all 84,108,789 outstanding shares of common equity of Consumers.

Documents incorporated by reference in Part III: CMS Energy s proxy statement and Consumers information statement relating to the 2016 Annual Meeting of Shareholders to be held May 6, 2016.

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CMS Energy Corporation

Consumers Energy Company

Annual Reports on Form 10-K to the Securities and Exchange Commission for the Year Ended December 31, 2015

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Certain terms used in the text and financial statements are defined below.

2008 Energy Law

Comprehensive energy reform package enacted in Michigan in 2008

ABATE

Association of Businesses Advocating Tariff Equity

ABO

Accumulated benefit obligation; the liabilities of a pension plan based on service and pay to date, which differs from the PBO in that it does not reflect expected future salary increases

AFUDC

Allowance for borrowed and equity funds used during construction

AOCI

Accumulated other comprehensive income (loss)

ARO

Asset retirement obligation

ASU

Financial Accounting Standards Board Accounting Standards Update

Bay Harbor

A residential/commercial real estate area located near Petoskey, Michigan, in which CMS Energy sold its interest in 2002

bcf Billion cubic feet
Btu British thermal unit
Cantera Gas Company Cantera Gas Company LLC, a non-affiliated company, formerly known as CMS Field Services
Cantera Natural Gas, Inc., a non-affiliated company that purchased CMS Field Services
CAO Chief Accounting Officer
Cash Balance Pension Plan Cash balance pension plan of CMS Energy and Consumers
CCR Coal combustion residual
CEO Chief Executive Officer
3

CERCLA

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Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFO

Chief Financial Officer

city-gate contract

An arrangement made for the point at which a local distribution company physically receives gas from a supplier or pipeline

Clean Air Act

Federal Clean Air Act of 1963, as amended

Clean Water Act

Federal Water Pollution Control Act of 1972, as amended

CMS Capital

CMS Capital, L.L.C., a wholly owned subsidiary of CMS Energy

CMS Energy

CMS Energy Corporation and its consolidated subsidiaries, unless otherwise noted; the parent of Consumers and CMS Enterprises

CMS Enterprises

CMS Enterprises Company, a wholly owned subsidiary of CMS Energy

CMS ERM

CMS Energy Resource Management Company, formerly known as CMS MST, a wholly owned subsidiary of CMS Enterprises

CMS Field Services

CMS Field Services, Inc., a former wholly owned subsidiary of CMS Gas Transmission

CMS Gas Transmission

CMS Gas Transmission Company, a wholly owned subsidiary of CMS Enterprises

CMS Land

CMS Land Company, a wholly owned subsidiary of CMS Capital

CMS MST

CMS Marketing, Services and Trading Company, a wholly owned subsidiary of CMS Enterprises, whose name was changed to CMS ERM in 2004

Consumers

Consumers Energy Company and its consolidated subsidiaries, unless otherwise noted; a wholly owned subsidiary of CMS Energy

Consumers 2014 Securitization Funding

Consumers 2014 Securitization Funding LLC, a wholly owned consolidated bankruptcy-remote subsidiary of Consumers and special-purpose entity organized for the sole purpose of purchasing and owning Securitization property, issuing Securitization bonds, and pledging its interest in Securitization property to a trustee to collateralize the Securitization bonds

<u>Table of Contents</u>
CSAPR The Cross-State Air Pollution Rule
DB Pension Plan Defined benefit pension plan of CMS Energy and Consumers, including certain present and former affiliates and subsidiaries
DB SERP Defined Benefit Supplemental Executive Retirement Plan
DCCP Defined Company Contribution Plan
DC SERP Defined Contribution Supplemental Executive Retirement Plan
DIG Dearborn Industrial Generation, L.L.C., a wholly owned subsidiary of Dearborn Industrial Energy, L.L.C., a wholly owned subsidiary of CMS Energy
Dodd-Frank Act Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010
DOE U.S. Department of Energy
DTE Electric DTE Electric Company, a non-affiliated company
DTE Gas

DTE Gas Company, a non-affiliated company

DTIA

Distribution-Transmission Interconnection Agreement dated April 1, 2001 between METC and Consumers, as amended

EBITDA

Earnings before interest, taxes, depreciation, and amortization

EnerBank

EnerBank USA, a wholly owned subsidiary of CMS Capital

Entergy

Entergy Corporation, a non-affiliated company

EPA

U.S. Environmental Protection Agency

EPS

Earnings per share

Exchange Act

Securities Exchange Act of 1934

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FDIC Federal Deposit Insurance Corporation
FERC The Federal Energy Regulatory Commission
First Mortgage Bond Indenture The indenture dated as of September 1, 1945 between Consumers and The Bank of New York Mellon, as Trustee, as amended and supplemented
FLI Liquidating Trust Trust formed in Missouri bankruptcy court to accomplish the liquidation of Farmland Industries, Inc., a non-affiliated entity
FMB First mortgage bond
FTR Financial transmission right
GAAP U.S. Generally Accepted Accounting Principles
GCC Gas Customer Choice, which allows gas customers to purchase gas from alternative suppliers
GCR Gas cost recovery
Genesee Genesee Power Station Limited Partnership, a variable interest entity in which HYDRA-CO Enterprises, Inc., a wholly owned subsidiary of CMS Enterprises, has a 50 percent interest

Grayling

Grayling Generating Station Limited Partnership, a variable interest entity in which HYDRA-CO Enterprises, Inc., a wholly owned subsidiary of CMS Enterprises, has a 50 percent interest

GWh

Gigawatt-hour, a unit of energy equal to one billion watt-hours

Health Care Acts

Comprehensive health care reform enacted in 2010, comprising the Patient Protection and Affordable Care Act and the related Health Care and Education Reconciliation Act

IRS

Internal Revenue Service

kilovolts

Thousand volts, a unit used to measure the difference in electrical pressure along a current

kVA

Thousand volt-amperes, a unit used to reflect the electrical power capacity rating of equipment or a system

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kWh Kilowatt-hour, a unit of energy equal to one thousand watt-hours
LIBOR The London Interbank Offered Rate
Ludington Ludington pumped-storage plant, jointly owned by Consumers and DTE Electric
MATS Mercury and Air Toxics Standards, which limit mercury, acid gases, and other toxic pollution from coal-fueled and oil-fueled power plants
MBT Michigan Business Tax
mcf Thousand cubic feet
MCIT Michigan Corporate Income Tax
MCV Facility A 1,647 MW natural gas-fueled, combined-cycle cogeneration facility operated by the MCV Partnership
MCV Partnership Midland Cogeneration Venture Limited Partnership
MCV PPA PPA between Consumers and the MCV Partnership

MD&A			

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

MDEQ

Michigan Department of Environmental Quality

METC

Michigan Electric Transmission Company, LLC, a non-affiliated company

MGP

Manufactured gas plant

Michigan Mercury Rule

Michigan Air Pollution Control Rules, Part 15, Emission Limitations and Prohibitions Mercury, addressing mercury emissions from coal-fueled electric generating units

MISO

Midcontinent Independent System Operator, Inc.

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mothball

To place a generating unit into a state of extended reserve shutdown in which the unit is inactive and unavailable for service for a specified period, during which the unit can be brought back into service after receiving appropriate notification and completing any necessary maintenance or other work; generation owners in MISO must request approval to mothball a unit, and MISO then evaluates the request for reliability impacts

MPSC

Michigan Public Service Commission

MRV

Market-related value of plan assets

MW

Megawatt, a unit of power equal to one million watts

MWh

Megawatt-hour, a unit of energy equal to one million watt-hours

NAAQS

National Ambient Air Quality Standards

NAV

Net asset value

NERC

The North American Electric Reliability Corporation, a non-affiliated company responsible for developing and enforcing reliability standards, monitoring the bulk power system, and educating and certifying industry personnel

NPDES

National Pollutant Discharge Elimination System, a permit system for regulating point sources of pollution under the Clean Water Act

NREPA

Part 201 of the Michigan Natural Resources and Environmental Protection Act, a statute that covers environmental activities including remediation

NSR

New Source Review, a construction-permitting program under the Clean Air Act

OPEB

Other Post-Employment Benefits

OPEB Plan

Postretirement health care and life insurance plans of CMS Energy and Consumers, including certain present and former affiliates and subsidiaries

Palisades

Palisades nuclear power plant, sold by Consumers to Entergy in 2007

PBO

Projected benefit obligation

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PCB Polychlorinated biphenyl
PISP Performance Incentive Stock Plan
PPA Power purchase agreement
PSCR Power supply cost recovery
REC Renewable energy credit established under the 2008 Energy Law
ReliabilityFirst Corporation ReliabilityFirst Corporation, a non-affiliated company responsible for the preservation and enhancement of bulk power system reliability and security
Resource Conservation and Recovery Act Federal Resource Conservation and Recovery Act of 1976
RMRR Routine maintenance, repair, and replacement
ROA Retail Open Access, which allows electric generation customers to choose alternative electric suppliers pursuant to a Michigan statute enacted in 2000
S&P Standard & Poor s Financial Services LLC

SEC

U.S. Securities and Exchange Commission

Securitization

A financing method authorized by statute and approved by the MPSC which allows a utility to sell its right to receive a portion of the rate payments received from its customers for the repayment of securitization bonds issued by a special-purpose entity affiliated with such utility

Sherman Act

Sherman Antitrust Act of 1890

Smart Energy

Consumers Smart Energy grid modernization project, which includes the installation of smart meters that transmit and receive data, a two-way communications network, and modifications to Consumers existing information technology system to manage the data and enable changes to key business processes

T.E.S. Filer City

T.E.S. Filer City Station Limited Partnership, a variable interest entity in which HYDRA-CO Enterprises, Inc., a wholly owned subsidiary of CMS Enterprises, has a 50 percent interest

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USW

United Steel, Paper and Forestry, Rubber, Manufacturing, Energy, Allied Industrial and Service Workers International Union, AFL-CIO-CLC

UWUA

Utility Workers Union of America, AFL-CIO

VEBA trust

Voluntary employees beneficiary association trusts accounts established specifically to set aside employer-contributed assets to pay for future expenses of the OPEB Plan

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FILING FORMAT

This combined Form 10-K is separately filed by CMS Energy and Consumers. Information in this combined Form 10-K relating to each individual registrant is filed by such registrant on its own behalf. Consumers makes no representation regarding information relating to any other companies affiliated with CMS Energy other than its own subsidiaries. None of CMS Energy, CMS Enterprises, nor any of CMS Energy s other subsidiaries (other than Consumers) has any obligation in respect of Consumers debt securities and holders of such debt securities should not consider the financial resources or results of operations of CMS Energy, CMS Enterprises, nor any of CMS Energy s other subsidiaries (other than Consumers and its own subsidiaries (in relevant circumstances)) in making a decision with respect to Consumers debt securities. Similarly, neither Consumers nor any other subsidiary of CMS Energy has any obligation in respect of debt securities of CMS Energy.

FORWARD-LOOKING STATEMENTS AND INFORMATION

This Form 10-K and other CMS Energy and Consumers disclosures may contain forward-looking statements as defined by the Private Securities Litigation Reform Act of 1995. The use of might, may, could, should, anticipates, believes, estimates, expects, intends, plan predicts, assumes, and other similar words is intended to identify forward-looking statements that involve risk and uncertainty. This discussion of potential risks and uncertainties is designed to highlight important factors that may impact CMS Energy s and Consumers businesses and financial outlook. CMS Energy and Consumers have no obligation to update or revise forward-looking statements regardless of whether new information, future events, or any other factors affect the information contained in the statements. These forward-looking statements are subject to various factors that could cause CMS Energy s and Consumers actual results to differ materially from the results anticipated in these statements. These factors include, but are not limited to, the following, all of which are potentially significant:

- the impact of new regulation by the MPSC, FERC, and other applicable governmental proceedings and regulations, including any associated impact on electric or gas rates or rate structures
- potentially adverse regulatory treatment or failure to receive timely regulatory orders affecting Consumers that are or could come before the MPSC, FERC, or other governmental authorities
- changes in the performance of or regulations applicable to MISO, METC, pipelines, railroads, vessels, or other service providers that CMS Energy, Consumers, or any of their affiliates rely on to serve their customers
- the adoption of federal or state laws or regulations or changes in applicable laws, rules, regulations, principles, or practices, or in their interpretation, such as those related to energy policy and ROA, gas pipeline safety, gas pipeline capacity, energy efficiency, the environment, regulation or deregulation, reliability, health care reforms (including the Health Care Acts), taxes, accounting matters, climate change, air emissions, renewable energy, potential effects of the Dodd-Frank Act, and other business issues that could have an impact on CMS Energy s, Consumers , or any of their affiliates businesses or financial results

• potentially adverse regulatory or legal interpretations or decisions regarding environmental matters, or delayed regulatory treatment or permitting decisions that are or could come before the MDEQ, EPA, and/or U.S. Army Corps of Engineers, and potential environmental remediation costs associated with these interpretations or decisions, including those that may affect Bay Harbor or Consumers RMRR classification under NSR regulations

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	hanges in energy markets, including availability and price of electric capacity and the timing and extent of changes in commodity vailability and deliverability of coal, natural gas, natural gas liquids, electricity, oil, and certain related products
and the effect	ne price of CMS Energy common stock, the credit ratings of CMS Energy and Consumers, capital and financial market conditions, ct of these market conditions on CMS Energy s and Consumers interest costs and access to the capital markets, including availability to CMS Energy, Consumers, or any of their affiliates
	ne investment performance of the assets of CMS Energy s and Consumers pension and benefit plans, the discount rates used in the plans obligations, and the resulting impact on future funding requirements
	ne impact of the economy, particularly in Michigan, and potential future volatility in the financial and credit markets on y s, Consumers, or any of their affiliates revenues, ability to collect accounts receivable from customers, or cost and availability of
	hanges in the economic and financial viability of CMS Energy s and Consumers suppliers, customers, and other counterparties and d ability of these third parties, including those in bankruptcy, to meet their obligations to CMS Energy and Consumers
• p	opulation changes in the geographic areas where CMS Energy and Consumers conduct business
• n	ational, regional, and local economic, competitive, and regulatory policies, conditions, and developments
• lo	oss of customer demand for electric generation supply to alternative energy suppliers, increased use of distributed generation, or iency
	ederal regulation of electric sales and transmission of electricity, including periodic re-examination by federal regulators of y s and Consumers market-based sales authorizations
• tł	ne impact of credit markets, economic conditions, and any new banking regulations on EnerBank

- the availability, cost, coverage, and terms of insurance, the stability of insurance providers, and the ability of Consumers to recover the costs of any insurance from customers
- the effectiveness of CMS Energy s and Consumers risk management policies, procedures, and strategies, including strategies to hedge risk related to future prices of electricity, natural gas, and other energy-related commodities
- factors affecting development of electric generation projects and gas and electric transmission and distribution infrastructure replacement, conversion, and expansion projects, including factors related to project site identification, construction material pricing, schedule delays, availability of qualified construction personnel, permitting, and government approvals
- factors affecting operations, such as costs and availability of personnel, equipment, and materials, unusual weather conditions, natural disasters, catastrophic weather-related damage, scheduled or unscheduled equipment outages, maintenance or repairs, environmental incidents, equipment failures, and electric transmission and distribution or gas pipeline system constraints

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contracts

• physical d	potential disruption to, interruption of, or other impacts on facilities, utility infrastructure, or operations due to accidents, explosions, lisasters, cyber incidents, vandalism, war, or terrorism, and the ability to obtain or maintain insurance coverage for these events
•	changes or disruption in fuel supply, including but not limited to supplier bankruptcy and delivery disruptions
• data, or op	potential costs, lost revenues, or other consequences resulting from misappropriation of assets or sensitive information, corruption of perational disruption in connection with a cyber attack or other cyber incident
•	technological developments in energy production, storage, delivery, usage, and metering
•	the ability to implement technology, including Smart Energy, successfully
• customer	the impact of CMS Energy s and Consumers integrated business software system and its effects on their operations, including utility billing and collections
	adverse consequences resulting from any past, present, or future assertion of indemnity or warranty claims associated with assets and s previously owned by CMS Energy or Consumers, including claims resulting from attempts by foreign or domestic governments to es on or to impose environmental liability associated with past operations or transactions
•	the outcome, cost, and other effects of any legal or administrative claims, proceedings, investigations, or settlements
• violations	the reputational impact on CMS Energy and Consumers of operational incidents, violations of corporate policies, regulatory, inappropriate use of social media, and other events
• subsidiari	restrictions imposed by various financing arrangements and regulatory requirements on the ability of Consumers and other es of CMS Energy to transfer funds to CMS Energy in the form of cash dividends, loans, or advances
•	earnings volatility resulting from the application of fair value accounting to certain energy commodity contracts or interest rate

- changes in financial or regulatory accounting principles or policies
- other matters that may be disclosed from time to time in CMS Energy s and Consumers SEC filings, or in other public documents

All forward-looking statements should be considered in the context of the risk and other factors described above and as detailed from time to time in CMS Energy s and Consumers SEC filings. For additional details regarding these and other uncertainties, see Item 1A. Risk Factors; Item 8. Financial Statements and Supplementary Data MD&A Outlook; and Item 8. Financial Statements and Supplementary Data Notes to the Consolidated Financial Statements Note 3, Regulatory Matters and Note 4, Contingencies and Commitments.

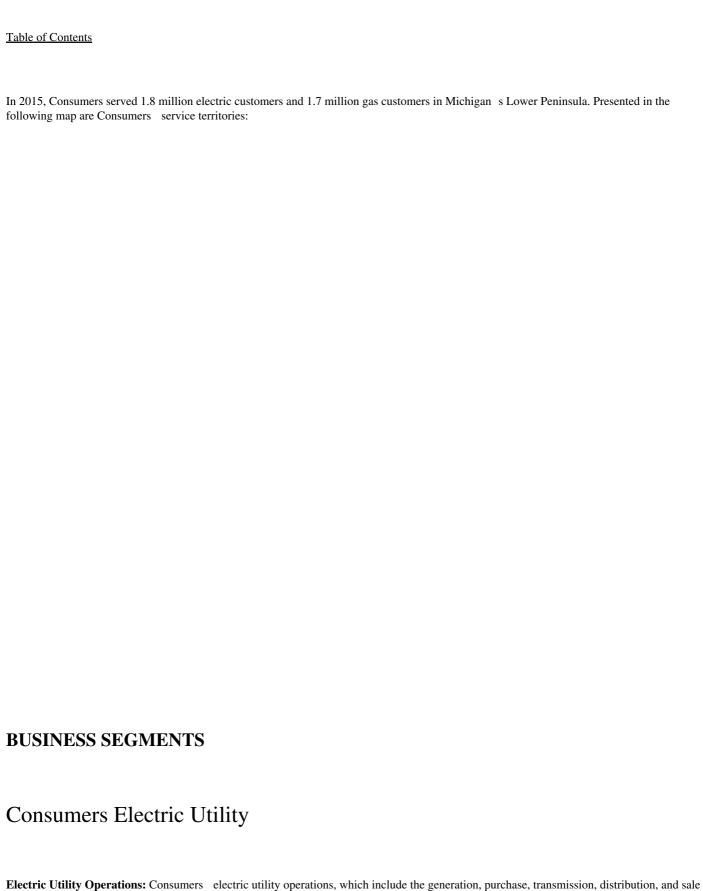
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Part I
Item 1. Business
GENERAL
CMS Energy
CMS Energy was formed as a corporation in Michigan in 1987 and is an energy company operating primarily in Michigan. It is the parent holding company of several subsidiaries, including Consumers, an electric and gas utility, and CMS Enterprises, primarily a domestic independent power producer. Consumers serves individuals and businesses operating in the alternative energy, automotive, chemical, metal, and food products industries, as well as a diversified group of other industries. CMS Enterprises, through its subsidiaries and equity investments, is engaged primarily in independent power production and owns power generation facilities fueled mostly by natural gas and biomass.
CMS Energy manages its businesses by the nature of services each provides, and operates principally in three business segments: electric utility, gas utility, and enterprises, its non-utility operations and investments. Consumers consolidated operations account for the substantial majority of CMS Energy s total assets, income, and operating revenue. CMS Energy s consolidated operating revenue was \$6.5 billion in 2015, \$7.2 billion in 2014, and \$6.6 billion in 2013.
For further information about operating revenue, income, and assets and liabilities attributable to all of CMS Energy s business segments and operations, see Item 8. Financial Statements and Supplementary Data CMS Energy s Selected Financial Information, Consolidated Financial Statements, and Notes to the Consolidated Financial Statements.
Consumers
Consumers has served Michigan customers since 1886. Consumers was incorporated in Maine in 1910 and became a Michigan corporation in

1968. Consumers owns and operates electric generation, transmission, and distribution facilities and gas transmission, storage, and distribution facilities. It provides electricity and/or natural gas to 6.7 million of Michigan s 10 million residents. Consumers rates and certain other aspects of its business are subject to the jurisdiction of the MPSC and FERC, as well as to NERC reliability standards, as described in CMS Energy and

Consumers Regulation in this Item 1.

Consumers consolidated operating revenue was \$6.2 billion in 2015, \$6.8 billion in 2014, and \$6.3 billion in 2013. For further information about operating revenue, income, and assets and liabilities attributable to Consumers electric and gas utility operations, see Item 8. Financial Statements and Supplementary Data Consumers Selected Financial Information, Consolidated Financial Statements, and Notes to the Consolidated Financial Statements.

Consumers owns its principal properties in fee, except that most electric lines and gas mains are located below or adjacent to public roads or on land owned by others and are accessed by Consumers through easements and other rights. Almost all of Consumers properties are subject to the lien of its First Mortgage Bond Indenture. For additional information on Consumers properties, see Item 1. Business Business Segments Consumers Electric Utility Properties and Consumers Gas Utility Gas Utility Properties.



of electricity, generated operating revenue of \$4.2 billion in 2015, \$4.4 billion in 2014, and \$4.2 billion in 2013. Consumers electric utility

customer base consists of a mix of primarily residential, commercial, and diversified industrial customers in Michigan s Lower Peninsula.

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Presented in the following illustration is Consumers 2015 electric utility operating revenue of \$4.2 billion by customer class:
Consumers electric utility operations are not dependent on a single customer, or even a few customers, and the loss of any one or even a few of Consumers largest customers is not reasonably likely to have a material adverse effect on Consumers financial condition.
In 2015, Consumers electric deliveries were 37 billion kWh, which included ROA deliveries of four billion kWh, resulting in net bundled sales of 33 billion kWh. In 2014, Consumers electric deliveries were 38 billion kWh, which included ROA deliveries of four billion kWh, resulting in net bundled sales of 34 billion kWh.
Consumers electric utility operations are seasonal. The consumption of electric energy typically increases in the summer months, due primarily to the use of air conditioners and other cooling equipment.
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Presented in the following illustration are Consumers monthly weather-adjusted electric deliveries (deliveries adjusted to reflect normal weather conditions) to its customers, including ROA deliveries, during 2015 and 2014:
Consumers 2015 summer peak demand was 7,812 MW, which included ROA demand of 581 MW. For the 2014-2015 winter period, Consumers peak demand was 6,067 MW, which included ROA demand of 492 MW. As required by MISO reserve margin requirements, Consumers owns or controls, through long-term PPAs and short-term capacity purchases, essentially all of the capacity required to supply its projected firm peak load and necessary reserve margin for summer 2016.
Electric Utility Properties: Consumers distribution system consists of:
• 434 miles of high-voltage distribution radial lines operating at 120 kilovolts or above
 4,251 miles of high-voltage distribution overhead lines operating at 46 kilovolts and 69 kilovolts

- 18 miles of high-voltage distribution underground lines operating at 46 kilovolts
- 56,023 miles of electric distribution overhead lines
- 10,383 miles of underground distribution lines
- substations with an aggregate transformer capacity of 24 million kVA

Consumers is interconnected to the interstate high-voltage electric transmission system owned by METC and operated by MISO. Consumers is also interconnected to neighboring utilities and to other transmission systems.

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Presented in the following table are details about Consumers electric generating system at December 31, 2015:

	Number of Units and	2015 Generation Capacity1	2015 Net Generation
Name and Location (Michigan) Coal generation	Year Entered Service	(MW)	(GWh)
J.H. Campbell 1 & 2 West Olive	2 Units, 1962-1967	603	3,182
J.H. Campbell 3 West Olive2	1 Unit, 1980	751	5,132
B.C. Cobb 4 & 5 Muskegon3	2 Units, 1956-1957	280	1,825
D.E. Karn 1 & 2 Essexville	2 Units, 1959-1961	515	1,990
J.C. Weadock 7 & 8 Essexville3	2 Units, 1955-1958	303	1,934
J.R. Whiting 1-3 Erie3	3 Units, 1952-1953	319	1,770
Total coal generation		2,771	15,833
Oil/Gas steam generation			
Jackson Jackson4	1 Unit, 2002	-	130
D.E. Karn 3 & 4 Essexville5	2 Units, 1975-1977	1,155	1
Zeeland (combined cycle) Zeeland	3 Units, 2002	527	3,258
Total oil/gas steam generation		1,682	3,389
Hydroelectric			
Ludington Ludington	6 Units, 1973	9926	(186)7
Conventional hydro generation various locations	35 Units, 1906-1949	77	427
Total hydroelectric		1,069	241
Gas/Oil combustion turbine			
Zeeland (simple cycle) Zeeland	2 Units, 2001	316	212
Various plants various locations8	8 Units, 1966-1971	13	-
Total gas/oil combustion turbine		329	212
Wind generation			
Cross Winds® Energy Park Tuscola County	62 Turbines, 2014	16	365
Lake Winds® Energy Park Mason County	56 Turbines, 2012	18	264
Total wind generation		34	629
Total owned generation		5,885	20,304
Purchased and interchange power9		2,87710	15,21011
Total supply		8,762	35,514
Generation and transmission use/loss			2,171
Total net bundled sales			33,343

- Represents each plant s electric generation capacity during the summer months.
- Represents Consumers share of the capacity of the J.H. Campbell 3 unit, net of the 6.69-percent ownership interest of the Michigan Public Power Agency and Wolverine Power Supply Cooperative, Inc.
- 3 Consumers plans to retire these seven smaller coal-fueled generating units by April 2016.
- 4 Consumers completed the purchase of this plant in December 2015.

These units were mothballed in October 2014 and returned to service in June 2015.

6 49-perce	Represents Consumers ent ownership interest.	51-percent share of the capacity of Ludington. DTE Electric holds the remaining
7 electricit hours.	-	share of net pumped-storage generation. The pumped-storage facility consumes off-peak hours for storage in order to generate electricity later during peak-demand
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- Includes units that were mothballed beginning on various dates between October 2010 and October 2014.
- Includes purchases from the MISO capacity and energy markets, and long-term PPAs.
- Includes 1,240 MW of purchased contract capacity from the MCV Facility and 778 MW of purchased contract capacity from Palisades.
- Includes 3,096 GWh of purchased energy from the MCV Facility and 6,910 GWh of purchased energy from Palisades.

Consumers generation capacity is a measure of the maximum electric output that Consumers has available to meet peak load requirements. As shown in the following illustration, Consumers 2015 generation capacity of 8,762 MW, including purchased capacity of 2,877 MW, relied on a variety of fuel sources:

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Electric Utility Supply: Presented in the following table are the sources of Consumers electric supply over the last five years:

					GWh
Years Ended December 31	2015	2014	2013	2012	2011
Owned generation					
Coal	15,833	15,684	15,951	14,027	15,468
Gas	3,601	2,012	1,415	3,003	1,912
Renewable energy	1,056	748	704	433	425
Oil	-	-	4	6	7
Net pumped storage1	(186)	(300)	(371)	(295)	(365)
Total owned generation	20,304	18,144	17,703	17,174	17,447
Purchased and interchange power					
Purchased renewable energy2	2,163	2,366	2,250	1,435	1,587
Purchased generation other2	11,720	10,073	10,871	13,104	11,087
Net interchange power3	1,327	4,793	3,656	4,151	6,825
Total purchased and interchange power	15,210	17,232	16,777	18,690	19,499
Total supply	35,514	35,376	34,480	35,864	36,946

- Represents Consumers share of net pumped-storage generation. The pumped-storage facility consumes electricity to pump water during off-peak hours for storage in order to generate electricity later during peak-demand hours.
- 2 Includes purchases from long-term PPAs.
- Includes purchases from the MISO energy market.

During 2015, 45 percent of the energy Consumers provided to customers was generated by its coal-fueled generating units, which burned nine million tons of coal and produced a combined total of 15,833 GWh of electricity.

In order to obtain the coal it needs, Consumers enters into physical coal supply contracts. At December 31, 2015, Consumers had contracts to purchase coal through 2018; payment obligations under these contracts totaled \$118 million. Most of Consumers rail-supplied coal contracts have fixed prices, although some contain market-based pricing. Consumers vessel-supplied coal contracts have fixed base prices that are adjusted monthly to reflect changes to the fuel cost of vessel transportation. At December 31, 2015, Consumers had 79 percent of its 2016 expected coal requirements under contract, as well as a 34-day supply of coal on hand.

In conjunction with its coal supply contracts, Consumers leases a fleet of rail cars and has transportation contracts with various companies to provide rail and vessel services for delivery of purchased coal to Consumers generating facilities. Consumers coal transportation contracts expire through 2019; payment obligations under these contracts totaled \$321 million at December 31, 2015.

During 2015, Consumers acquired 43 percent of the electricity it provided to customers through long-term PPAs and the MISO energy market. Consumers offers its generation into the MISO energy market on a day-ahead and real-time basis and bids for power in the market to serve the demand of its customers. Consumers is a net purchaser of power and supplements its generation capability with purchases from the MISO energy market to meet its customers needs during peak demand periods.

At December 31, 2015, Consumers had unrecognized future commitments (amounts for which, in accordance with GAAP, liabilities have not been recorded on its balance sheet) to purchase capacity and energy under long-term PPAs with various generating plants. These contracts require monthly capacity payments based on the plants—availability or deliverability. The payments for 2016 through 2036 are

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estimated to total \$10 billion and, for each of the next five years, \$1.0 billion annually. These amounts may vary depending on plant availability and fuel costs. For further information about Consumers future capacity and energy purchase obligations, see Item 8. Financial Statements and Supplementary Data MD&A Capital Resources and Liquidity and Note 4, Contingencies and Commitments Contractual Commitments.

During 2015, ten percent of the energy Consumers provided to customers was generated by natural gas-fueled generating units, which burned 25 bcf of natural gas and produced a combined total of 3,601 GWh of electricity.

In order to obtain the gas it needs for electric generation fuel, Consumers electric utility purchases gas from the market near the time of consumption, at prices that allow it to compete in the electric wholesale market. For units 3 and 4 of D.E. Karn and for the Jackson and Zeeland plants, Consumers utilizes an agent that owns firm transportation rights to each plant to purchase gas from the market and transport the gas to the facilities. For its smaller combustion turbines, Consumers electric utility purchases and transports gas to its facilities as a bundled-rate tariff customer of either the gas utility or DTE Gas.

Presented in the following table is the cost per million Btu of all fuels consumed, which fluctuates with the mix of fuel used.

				Cost F	Per Mil	lion Btu
Years Ended December 31	2015	2014	2013	2012		2011
Coal	\$ 2.49	\$ 2.72	\$ 2.90	\$ 2.98	\$	2.94
Gas	3.06	7.19	4.68	3.16		4.95
Oil	12.28	20.16	19.47	19.08		18.55
Weighted-average fuel cost	\$ 2.59	\$ 3.17	\$ 3.07	\$ 3.05	\$	3.18

Electric Utility Competition: Consumers electric utility business is subject to actual and potential competition from many sources, in both the wholesale and retail markets, as well as in electric generation, electric delivery, and retail services.

The 2008 Energy Law allows electric customers in Consumers service territory to buy electric generation service from alternative electric suppliers in an aggregate amount up to ten percent of Consumers weather-adjusted retail sales for the preceding calendar year. At December 31, 2015, electric deliveries under the ROA program were at the ten-percent limit and alternative electric suppliers were providing 1.8 million electric customers, 304 customers, or 0.02 percent, purchased generation service under the ROA program.

In early 2015, members of the Michigan Senate and House of Representatives introduced various bills related to energy policy. Among other things, the bills propose a range of changes to ROA, including eliminating ROA, maintaining the existing ROA program but imposing conditions on a customer—s return to utility service, and raising the ROA limit. If the ROA limit were increased or if electric generation service in Michigan were deregulated, it could have a material adverse effect on Consumers—financial results and operations. Presently, the Michigan Senate and House of Representatives are considering two separate but similar pieces of legislation to address energy policy, including ROA. Consumers is unable to predict the form and timing of any final legislation.

Consumers also faces competition or potential competition associated with:

- industrial customers relocating all or a portion of their production capacity outside of Consumers service territory for economic reasons
- municipalities owning or operating competing electric delivery systems
- customer self-generation

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Consumers addresses this competition by monitoring activity in adjacent geographical areas, by providing non-energy services and value to customers through Consumers rates and service, and by offering tariff-based incentives that support economic development.

Consumers Gas Utility

Gas Utility Operations: Consumers gas utility operations, which include the purchase, transmission, storage, distribution, and sale of natural gas, generated operating revenue of \$1.9 billion in 2015, \$2.4 billion in 2014, and \$2.1 billion in 2013. Consumers gas utility customer base consists of a mix of primarily residential, commercial, and diversified industrial customers in Michigan s Lower Peninsula.

Presented in the following illustration is Consumers 2015 gas utility operating revenue of \$1.9 billion by customer class:

Consumers gas utility operations are not dependent on a single customer, or even a few customers, and the loss of any one or even a few of Consumers largest customers is not reasonably likely to have a material adverse effect on Consumers financial condition.

In 2015, deliveries of natural gas, including off-system transportation deliveries, through Consumers pipeline and distribution network, totaled 356 bcf, which included GCC deliveries of 57 bcf. In 2014, deliveries of natural gas, including off-system transportation deliveries, through

Consumers pipeline and distribution network, totaled 373 bcf, which included GCC deliveries of 65 bcf. Consumers gas utility operations are seasonal. Consumers injects natural gas into storage during the summer months for use during the winter months when the demand for natural gas is higher. Peak demand occurs in the winter due to colder temperatures and the resulting use of natural gas as a heating fuel. During 2015, 42 percent of the natural gas supplied to all customers during the winter months was supplied from storage.

Presented in the following illustration are Consumers monthly weather-adjusted gas deliveries (deliveries adjusted to reflect normal weather conditions) to its customers, including GCC deliveries, during 2015 and 2014:						
Gas Utility Properties: Consumers gas transmission, storage, and distribution system consists of:						
• 1,686 miles of transmission lines						
15 gas storage fields with a total storage capacity of 309 bcf and a working gas volume of 151 bcf						
27,537 miles of distribution mains						
• seven compressor stations with a total of 157,939 installed and available horsepower						
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Gas Utility Supply: In 2015, Consumers purchased 69 percent of the gas it delivered from U.S. producers and five percent from Canadian producers. The remaining 26 percent was purchased from authorized GCC suppliers and delivered by Consumers to customers in the GCC program. Presented in the following illustration are the supply arrangements for the gas Consumers delivered to GCC and GCR customers during 2015:
Firm gas transportation or firm city-gate contracts are those that define a fixed amount, price, and delivery time frame. Consumers firm gas transportation contracts are with ANR Pipeline Company, Great Lakes Gas Transmission Limited Partnership, Panhandle Eastern Pipe Line Company, and Trunkline Gas Company, LLC, each a non-affiliated company. Under these contracts, Consumers purchases and transports gas to Michigan for ultimate delivery to its customers. Consumers firm gas transportation contracts expire through 2023 and provide for the delivery of 47 percent of Consumers total gas supply requirements in 2016. Consumers purchases the balance of its required gas supply under firm city-gat contracts and through authorized suppliers under the GCC program.
Gas Utility Competition: Competition exists in various aspects of Consumers gas utility business. Competition comes from GCC and from

Enterprises Segment Non-Utility Operations and Investments

alternative fuels and energy sources, such as propane, oil, and electricity.

CMS Energy s enterprises segment, through various subsidiaries and certain equity investments, is engaged primarily in domestic independent power production and the marketing of independent power production. The enterprises segment s operating revenue was \$190 million in 2015, \$299 million in 2014, and \$181 million in 2013.

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Independent Power Production: At December 31, 2015, CMS Energy had ownership interests in independent power plants totaling 1,177 MW or 1,077 net MW. (Net MW reflects that portion of the capacity relating to CMS Energy s ownership interests.) Presented in the following table are CMS Energy s interests in independent power plants at December 31, 2015:

			Gross	2015
	Ownership	Primary	Capacity1	Net Generation
Location	Interest (%)	Fuel Type	(MW)	(GWh)
Dearborn, Michigan	100	Natural gas	7522	3,399
Gaylord, Michigan	100	Natural gas	156	4
Comstock, Michigan	100	Natural gas	68	
Filer City, Michigan	50	Coal and biomass	73	505
New Bern, North Carolina	50	Biomass	50	369
Flint, Michigan	50	Biomass	40	71
Grayling, Michigan	50	Biomass	38	122
Total			1,177	4,470

- Represents the intended full-load sustained output of each plant.
- In December 2015, capital upgrades and modifications to the plant s turbines increased gross capacity from 710 MW to 752 MW.

The operating revenue from independent power production was \$17 million in 2015, \$18 million in 2014, and \$17 million in 2013. CMS Energy s independent power production business faces competition from generators, marketers and brokers, and utilities marketing power in the wholesale market.

Energy Resource Management: CMS ERM purchases and sells energy commodities in support of CMS Energy s generating facilities with a focus on optimizing CMS Energy s independent power production portfolio. In 2015, CMS ERM marketed eight bef of natural gas and 4,579 GWh of electricity. Electricity marketed by CMS ERM was generated by independent power production of the enterprises segment and by unrelated third parties. CMS ERM s operating revenue was \$173 million in 2015, \$281 million in 2014, and \$164 million in 2013.

Other Businesses

EnerBank: EnerBank is a Utah state-chartered, FDIC-insured industrial bank providing unsecured consumer installment loans for financing home improvements. EnerBank s operating revenue was \$101 million in 2015, \$80 million in 2014, and \$64 million in 2013.

CMS ENERGY AND CONSUMERS REGULATION

CMS Energy, Consumers, and their subsidiaries are subject to regulation by various federal, state, and local governmental agencies, including those described in the following sections.

FERC and NERC

FERC has exercised limited jurisdiction over several independent power plants and exempt wholesale generators in which CMS Enterprises has ownership interests, as well as over CMS ERM, CMS Gas Transmission, and DIG. FERC s jurisdiction includes, among other things, acquisitions, operations, disposals of certain assets and facilities, services provided and rates charged, and conduct among affiliates. FERC also has limited jurisdiction over holding company matters with respect to CMS Energy. FERC, in connection with NERC and with regional reliability organizations, also regulates generation and

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transmission owners and operators, load serving entities, purchase and sale entities, and others with regard to reliability of the bulk power system.

FERC regulates limited aspects of Consumers gas business, principally compliance with FERC capacity release rules, shipping rules, the prohibition against certain buy/sell transactions, and the price-reporting rule.

FERC also regulates certain aspects of Consumers electric operations, including compliance with FERC accounting rules, wholesale and transmission rates, operation of licensed hydroelectric generating plants, transfers of certain facilities, corporate mergers, and issuances of securities.

MPSC

Consumers is subject to the jurisdiction of the MPSC, which regulates public utilities in Michigan with respect to retail utility rates, accounting, utility services, certain facilities, certain asset transfers, corporate mergers, and other matters.

The Michigan Attorney General, ABATE, the MPSC Staff, and certain other parties typically participate in MPSC proceedings concerning Consumers. These parties often challenge various aspects of those proceedings, including the prudence of Consumers policies and practices, and seek cost disallowances and other relief. The parties also have appealed significant MPSC orders.

Rate Proceedings: For information regarding open rate proceedings, see Item 8. Financial Statements and Supplementary Data MD&A Outlook and Notes to the Consolidated Financial Statements Note 3, Regulatory Matters.

Other Regulation

The U.S. Secretary of Energy regulates imports and exports of natural gas and has delegated various aspects of this jurisdiction to FERC and the DOE s Office of Fossil Fuels.

The U.S. Department of Transportation Office of Pipeline Safety regulates the safety and security of gas pipelines through the Natural Gas Pipeline Safety Act of 1968 and subsequent laws.

EnerBank is regulated by the Utah Department of Financial Institutions and the FDIC.

Energy Legislation

CMS Energy, Consumers, and their subsidiaries are subject to various legislative-driven matters, including Michigan s 2008 Energy Law. This law requires that at least ten percent of Consumers electric sales volume come from renewable energy sources. It also allows electric customers in Consumers service territory to buy electric generation service from alternative electric suppliers in an aggregate amount up to ten percent of Consumers weather-adjusted retail sales of the preceding calendar year. For additional information regarding Consumers renewable energy plan and electric ROA, see Item 8. Financial Statements and Supplementary Data MD&A Outlook.

CMS ENERGY AND CONSUMERS ENVIRONMENTAL COMPLIANCE

CMS Energy, Consumers, and their subsidiaries are subject to various federal, state, and local regulations for environmental quality, including air and water quality, solid waste management, and other matters. Consumers expects to recover costs to comply with environmental regulations in customer rates, but cannot guarantee this result. For additional information concerning environmental matters, see Item 1A. Risk Factors and Item 8. Financial Statements and Supplementary Data Notes to the Consolidated

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Financial Statements Note 4, Contingencies and Commitments and Note 11, Asset Retirement Obligations.

CMS Energy has recorded a \$58 million liability for its subsidiaries obligations associated with Bay Harbor and Consumers has recorded a \$114 million liability for its obligations at a number of MGP sites. For additional information, see Item 1A. Risk Factors and Item 8. Financial Statements and Supplementary Data Notes to the Consolidated Financial Statements Note 4, Contingencies and Commitments.

Air: Consumers continues to install state-of-the-art emissions control equipment at its electric generating plants. Consumers estimates that it will incur capital expenditures of \$84 million from 2016 through 2020 to comply with present and future federal and state environmental regulations that will require extensive reductions in nitrogen oxides, sulfur dioxides, particulate matter, and mercury emissions. Consumers estimate may increase if additional or more stringent laws or regulations are adopted, including regulations regarding greenhouse gases.

Solid Waste Disposal: Costs related to the construction, operation, and closure of solid waste disposal facilities for coal ash are significant. Consumers solid waste disposal areas are regulated under Michigan's solid waste rules. In April 2015, the EPA published a final rule regulating CCRs, such as coal ash, under the Resource Conservation and Recovery Act. The final rule adopts minimum standards for beneficially reusing and disposing of non-hazardous CCRs. The rule establishes new minimum requirements for site location, groundwater monitoring, flood protection, storm water design, fugitive dust control, and public disclosure of information. The rule also sets out conditions under which CCR units would be forced to cease receiving CCR and non-CCR waste and initiate closure based on the inability to achieve minimum safety standards, meet a location standard, or meet minimum groundwater standards. Consumers has converted all of its fly ash handling systems to dry systems to minimize applicable requirements. In addition, all of Consumers ash facilities have programs designed to protect the environment and are subject to quarterly MDEQ inspections. Consumers preliminary estimate of capital and cost of removal expenditures to comply with regulations relating to ash disposal is \$243 million from 2016 through 2020.

Water: Consumers uses substantial amounts of water to operate and cool its electric generating plants. Water discharge quality is regulated and administered by the MDEQ under the federal NPDES program. To comply with such regulation, Consumers facilities have discharge monitoring programs. The EPA issued final regulations for wastewater discharges from electric generating plants in 2015. Consumers preliminary estimate of capital expenditures to comply with these regulations is \$69 million from 2016 through 2020.

In 2014, the EPA finalized its cooling water intake rule, which requires Consumers to evaluate the biological impact of its cooling water intake systems and ensure that it is using the best technology available to minimize adverse environmental impacts. Consumers preliminary estimate of capital expenditures to comply with these regulations is \$58 million from 2016 through 2020.

For further information concerning estimated capital expenditures related to air, solid waste disposal, and water see Item 8. Financial Statements and Supplementary Data MD&A Outlook Consumers Electric Utility Outlook and Uncertainties Electric Environmental Outlook.

INSURANCE

CMS Energy and its subsidiaries, including Consumers, maintain insurance coverage generally similar to comparable companies in the same lines of business. The insurance policies are subject to terms, conditions, limitations, and exclusions that might not fully compensate CMS Energy or Consumers for all losses. A portion of each loss is generally assumed by CMS Energy or Consumers in the form of deductibles and self-insured retentions that, in some cases, are substantial. As CMS Energy or Consumers

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