

SECTION 2

# By the Numbers

**Parent Company:** CMS Energy Corporation  
**Operating Company(s):** Consumers Energy Company  
**Business Type(s):** Vertically Integrated  
**State(s) of Operation:** Michigan  
**State(s) with RPS Programs:** Michigan

**Regulatory Environment:** Regulated  
**Report Date:** October 1, 2021  
**CMS Energy Website:** [CMSEnergy.com](https://www.cmsenergy.com)  
**Consumers Energy Website:** [ConsumersEnergy.com](https://www.consumersenergy.com)



*The following quantitative information is Consumers Energy data only.*

**TREND KEY:** ■ Not Rated ■ No Change ■ Better ■ Worse

CONSUMERS ENERGY PORTFOLIO	Baseline				
	2005	2018	2019	2020	TREND
<b>Owned Nameplate Generation Capacity at end of year (MW)</b>					
Coal	3,015	2,043	2,043	2,043	■
Natural Gas	1,285	2,487	2,318	2,318	■
Nuclear	812	N/A	N/A	N/A	■
Petroleum	738	720	701	701	■
Ludington Pumped Storage Plant <sup>1</sup>	1,009	1,125	1,154	1,154	■
Total Renewable Energy Resources	132	392	468	618	■
Biomass/Biogas	N/A	N/A	N/A	N/A	■
Geothermal	N/A	N/A	N/A	N/A	■
Hydroelectric	132	132	132	132	■
Solar	N/A	4	4	4	■
Wind	N/A	256	332	482	■
Other	N/A	1	1	1	■
<b>Owned Net Generation for the data year (MWh)</b>					
Coal	19,711,000	9,804,000	9,776,000	7,960,000	■
Natural Gas	356,000	5,272,000	6,289,000	5,883,000	■
Nuclear	6,636,000	N/A	N/A	N/A	■
Petroleum	225,000	5,000	5,000	6,000	■
Ludington Pumped Storage Plant <sup>1,2</sup>	-516,000	-325,000	-308,000	-371,000	■
Total Renewable Energy Resources	387,000	1,187,000	1,258,000	1,505,000	■
Biomass/Biogas	N/A	N/A	N/A	N/A	■
Geothermal	N/A	N/A	N/A	N/A	■
Hydroelectric	387,000	445,000	512,000	482,000	■
Solar	N/A	6,000	5,000	6,000	■
Wind	N/A	736,000	741,000	1,017,000	■
Other	N/A	N/A	N/A	N/A	■
Total Owned Net Generation (MWh)	26,799,000	15,943,000	17,020,000	14,983,000	■
<b>Purchased Net Generation for the data year (MWh)</b>					
Coal	482,000	511,000	462,000	513,000	■
Natural Gas	7,061,000	6,712,000	6,812,000	7,346,000	■
Nuclear	N/A	6,749,000	6,946,000	6,898,000	■
Petroleum	N/A	N/A	N/A	N/A	■
Total Renewable Energy Resources	1,236,000	2,379,000	2,387,000	2,225,000	■
Biomass/Biogas	1,200,000	1,237,000	1,164,000	994,000	■
Geothermal	N/A	N/A	N/A	N/A	■
Hydroelectric	34,000	79,000	60,000	63,000	■
Solar	N/A	6,700	7,400	8,000	■
Wind	2,600	1,006,000	1,156,000	1,160,000	■
Other	1,991,000	4,953,000	2,059,000	2,655,000	■
Total Purchased Net Generation (MWh)	10,770,000	21,304,000	18,666,000	19,637,000	■
<b>Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters</b>					
Total Annual Capital Expenditures (nominal dollars)	\$593,000,000	\$1,975,000,000	\$2,298,000,000	\$2,339,600,000	■
Incremental Annual Electricity Savings from EE Measures (MWh)	N/A	586,784	566,183	642,124	■
Incremental Annual Investment in Electric EE Programs (nominal dollars)	N/A	\$117,800,000	\$115,987,120	\$139,635,527	■
Percent of Total Electric Customers with Smart Meters (at end of year)	N/A	99%	99%	99%	■
<b>Retail Electric Customer Count</b>					
Commercial	214,025	219,869	221,892	221,570	■
Industrial	8,595	1,312	1,329	1,348	■
Residential	1,565,601	1,603,125	1,611,320	1,630,424	■

1. Our Pumped Storage Plant was originally included within the Hydroelectric category; however, it has been itemized separately.

2. This figure represents Consumers' share of net pumped-storage generation. The pumped-storage facility consumes electricity to pump water during off-peak hours for storage to generate electricity later during peak-demand hours.

TREND KEY: ■ Not Rated ■ No Change ■ Better ■ Worse

CONSUMERS ENERGY EMISSIONS		Baseline	2005	2018	2019	2020	TREND
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e) <sup>1</sup>							
Owned Generation							
Carbon Dioxide (CO2)							
Total Owned Generation CO2 Emissions (Metric Tons (MT))		20,219,000	12,682,000	12,604,000	10,888,000		<div></div>
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)		0.754	0.795	0.741	0.727		<div></div>
Carbon Dioxide Equivalent (CO2e)							
Total Owned Generation CO2e Emissions (MT)		N/A	12,743,000	12,659,000	10,934,000		<div></div>
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)		N/A	0.799	0.744	0.730		<div></div>
Biogenic Carbon Dioxide (CO2)		0	0	0	0		<div></div>
Purchased Power							
Carbon Dioxide (CO2)							
Total Purchased Generation CO2 Emissions (MT)		4,999,000	6,373,000	5,121,000	5,221,000		<div></div>
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)		0.464	0.299	0.274	0.266		<div></div>
Carbon Dioxide Equivalent (CO2e)							
Total Purchased Generation CO2e Emissions (MT)		N/A	6,419,000	5,150,000	5,257,000		<div></div>
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)		N/A	0.301	0.276	0.268		<div></div>
Biogenic Carbon Dioxide (CO2) (MT)		N/A	N/A	N/A	745,000		<div></div>
Owned Generation + Purchased Power							
Carbon Dioxide (CO2)							
Total Owned + Purchased Generation CO2 Emissions (MT)		25,218,000	19,055,000	17,725,000	16,109,000		<div></div>
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)		0.671	0.512	0.497	0.465		<div></div>
Total Owned + Purchased Generation CO2 Emissions Intensity (lbs/Net MWh)		1,480	1,128	1,095	1,026		<div></div>
Carbon Dioxide Equivalent (CO2e)							
Total Owned + Purchased Generation CO2e Emissions (MT)		N/A	19,162,000	17,809,000	16,191,000		<div></div>
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)		N/A	0.514	0.499	0.468		<div></div>
Total Owned + Purchased Generation CO2e Emissions Intensity (lbs/Net MWh)		N/A	1,134	1,100	1,031		<div></div>
Non-Generation CO2e Emissions							
Fugitive CO2e emissions of sulfur hexafluoride (MT)		N/A	2,100	2,533	819		<div></div>
Fugitive CO2e emissions from natural gas distribution (MT)		See Natural Gas Business Sustainability Metrics					
Electric & Gas Scope 1, 2 and 3 Greenhouse Gas Emissions							
Carbon Dioxide Equivalent (CO2e)							
Scope 1 CO2e emissions (MT)		N/A	13,165,000	13,509,000	11,387,000		<div></div>
Scope 2 CO2e market-based emissions (MT) <sup>2</sup>		N/A	424,000	279,500	291,600		<div></div>
Scope 3 CO2e emissions (MT) <sup>3</sup>		N/A	22,780,000	20,574,000	18,675,000		<div></div>
Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)							
Generation basis for calculation: Electric Generation							
Nitrogen Oxide (NOx)							
Total NOx Emissions (MT)		28,400	3,900	4,100	3,395		<div></div>
Total NOx Emissions Intensity (MT/Net MWh)		1.06E-03	2.44E-04	2.41E-04	2.27E-04		<div></div>
Sulfur Dioxide (SO2)							
Total SO2 Emissions (MT)		83,600	5,200	5,700	4,149		<div></div>
Total SO2 Emissions Intensity (MT/Net MWh)		3.12E-03	3.29E-04	3.35E-04	2.77E-04		<div></div>
Mercury (Hg)							
Total Hg Emissions (kg)		N/A	26	33	31		<div></div>
Total Hg Emissions Intensity (kg/Net MWh)		N/A	1.64E-06	1.94E-06	2.07E-06		<div></div>

1. Data reported based on equity-ownership.

2. The Scope 2 emissions were calculated based on the market-based emissions methodology.

3. Consumers Energy reports known emissions associated with four Scope 3 categories, including emissions associated with purchased power (i.e., fuel-and-energy related activities not included in scope 1 or 2), combustion of natural gas sold (i.e., use of sold products), business travel and employee commuting. Emissions data reported for CMS Enterprises<sup>3</sup> is excluded with the exception of business travel.



TREND KEY: ■ Not Rated ■ No Change ■ Better ■ Worse

CONSUMERS ENERGY RESOURCES		Baseline	2005	2018	2019	2020	TREND
Human Resources							
Total Number of Employees		8,114	8,121	8,253	8,193		
Total Number on Board of Directors/Trustees		12	10	12	11		
Total Women on Board of Directors/Trustees		1	4	5	4		
Total Minorities on Board of Directors/Trustees		1	2	3	3		
Total Female Employees		N/A	2,304	2,342	2,275		
Percent Female Employees		N/A	28%	28%	28%		
Total Minority Employees		N/A	1,162	1,180	1,166		
Percent Minority		N/A	14%	14%	14%		
Total Veteran Employees		N/A	699	825	860		
Percent Veteran Employees		N/A	9%	10%	11%		
Total Individuals with Disabilities		N/A	372	397	394		
Percent Individuals with Disabilities		N/A	5%	5%	5%		
Total Females in Senior Leadership		N/A	8	9	9		
Percent Females in Senior Leadership		N/A	30%	32%	32%		
Total Minorities in Senior Leadership		N/A	7	6	7		
Percent Minorities in Senior Leadership		N/A	26%	21%	25%		
Total Females in Management		N/A	125	132	151		
Percent Females in Management		N/A	30%	31%	33%		
Total Minorities in Management		N/A	51	53	59		
Percent Minorities in Management		N/A	12%	12%	13%		
Employee Safety Metrics							
Recordable Incident Rate		N/A	7.01	1.21	1.23		
Lost-time Case Rate		N/A	2.00	0.34	0.50		
Days Away, Restricted, and Transfer (DART) Rate		N/A	3.22	0.75	0.84		
Work-related Fatalities		N/A	1.00	1.00	0.00		
Fresh Water Resources							
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)		N/A	3.19E-07	3.74E-07	3.36E-07		
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)		N/A	7.74E-05	6.88E-05	8.22E-05		
Waste Products							
Amount of Hazardous Waste Manifested for Disposal (tons)		N/A	23.9	23.7	25.07		
Percent of Coal Combustion Products Beneficially Used		N/A	13%	15%	8%		
Additional Metrics (Optional)							
Lead (lbs)		N/A	49	47	32		
Total Non-Methane Organic Compounds (short tons)		330	204	200	172		
Utility Specific Residual Mix Emissions Rate (CO2 lbs/MWh)		N/A	N/A	1098	1052		



**Parent Company:** CMS Energy Corporation  
**Operating Company:** CMS Enterprises  
**Business Type:** Vertically Integrated  
**States of Operation:** Ohio, Michigan, North Carolina,  
 Texas, Wisconsin

**Regulatory Environment:** Unregulated  
**Report Date:** October 1, 2021  
**CMS Energy Website:** [CMSEnergy.com](https://www.cmsenergy.com)  
**CMS Enterprises Website:** [CMSenterprises.com](https://www.cmsenterprises.com)






























The following quantitative information is CMS Enterprises data only.

**TREND KEY:** ■ Not Rated ■ No Change ■ Better ■ Worse

CMS ENTERPRISES ENERGY PORTFOLIO	Baseline	2018	2019	2020	TREND
	2005				
<b>Owned Nameplate Generation Capacity at end of year (MW)</b>					
Coal	N/A	35	35	35	■
Natural Gas	N/A	1,008	995	1018	■
Nuclear	N/A	0	0	0	■
Petroleum	N/A	0	0	0	■
Total Renewable Energy Resources	N/A	195	196	464	■
Biomass/Biogas	N/A	64	64	64	■
Geothermal	N/A	0	0	0	■
Hydroelectric	N/A	0	0	0	■
Solar	N/A	27	27	27	■
Wind	N/A	105	105	373	■
Other	N/A	0	0	0	■
<b>Owned Net Generation for the data year (MWh)</b>					
Coal	N/A	253,000	226,000	255,000	■
Natural Gas	N/A	4,985,000	5,555,000	5,216,000	■
Nuclear	N/A	0	0	0	■
Petroleum	N/A	0	0	0	■
Total Renewable Energy Resources	N/A	385,000	644,000	780,000	■
Biomass/Biogas	N/A	277,000	292,000	193,000	■
Geothermal	N/A	0	0	0	■
Hydroelectric	N/A	0	0	0	■
Solar	N/A	14,000	37,000	47,000	■
Wind	N/A	94,000	314,000	540,000	■
Other	N/A	0	0	0	■
<b>Purchased Net Generation for the data year (MWh)</b>					
Coal	N/A	0	0	0	■
Natural Gas	N/A	0	0	0	■
Nuclear	N/A	0	0	0	■
Petroleum	N/A	0	0	0	■
Total Renewable Energy Resources	N/A	300,000	300,000	300,000	■
Biomass/Biogas	N/A	0	0	0	■
Geothermal	N/A	0	0	0	■
Hydroelectric	N/A	0	0	0	■
Solar	N/A	0	0	0	■
Wind	N/A	300,000	300,000	300,000	■
Other	N/A	0	0	0	■
<b>Investing in the Future:</b>					
<b>Capital Expenditures, Energy Efficiency (EE), and Smart Meters</b>					
Total Annual Capital Expenditures (nominal dollars)	N/A	N/A	N/A	N/A	■
Incremental Annual Electricity Savings from EE Measures (MWh)	N/A	N/A	N/A	N/A	■
Incremental Annual Investment in Electric EE Programs (nominal dollars)	N/A	N/A	N/A	N/A	■
Percent of Total Electric Customers with Smart Meters (at end of year)	N/A	N/A	N/A	N/A	■
<b>Retail Electric Customer Count (at end of year)</b>					
Commercial	N/A	N/A	N/A	N/A	■
Industrial	N/A	N/A	N/A	N/A	■
Residential	N/A	N/A	N/A	N/A	■

TREND KEY:  Not Rated  No Change  Better  Worse

CMS ENTERPRISES EMISSIONS	Baseline	2018	2019	2020	TREND
	2005				
<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)<sup>1</sup></b>					
<b>Owned Generation</b>					
Carbon Dioxide (CO2)					
Total Owned Generation CO2 Emissions (MT)	N/A	3,816,135	3,817,939	3,427,886	
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	N/A	0.679	0.594	0.548	
Biogenic CO2 (MT)	N/A	552,537	580,732	382,744	
Carbon Dioxide Equivalent (CO2e)					
Total Owned Generation CO2e Emissions (MT)	N/A	3,815,973	3,851,101	3,437,818	
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	N/A	0.679	0.599	0.550	
Biogenic CO2e	N/A	560,091	588,638	387,870	
<b>Purchased Power</b>					
Carbon Dioxide (CO2)					
Total Purchased Generation CO2 Emissions (MT)	N/A	0	0	0	
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	N/A	N/A	N/A	N/A	
Carbon Dioxide Equivalent (CO2e)					
Total Purchased Generation CO2e Emissions (MT)	N/A	0	0	0	
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	N/A	N/A	N/A	N/A	
<b>Owned Generation + Purchased Power</b>					
Carbon Dioxide (CO2)					
Total Owned + Purchased Generation CO2 Emissions (MT)	N/A	3,816,135	3,817,939	3,427,886	
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	N/A	0.698	0.606	0.523	
Biogenic CO2 (mt)	N/A	552,537	580,732	382,744	
Carbon Dioxide Equivalent (CO2e)					
Total Owned + Purchased Generation CO2e Emissions (MT)	N/A	3,824,412	3,844,791	3,437,818	
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	N/A	0.699	0.610	0.525	
Biogenic CO2e	N/A	560,091	588,638	387,870	
<b>Non-Generation CO2e Emissions</b>					
Fugitive CO2e emissions of sulfur hexafluoride (MT)	N/A	N/A	N/A	N/A	
Fugitive CO2e emissions from natural gas distribution (MT)	N/A	N/A	N/A	N/A	
<b>Electric &amp; Gas Scope 1, 2 and 3 Greenhouse Gas Emissions</b>					
Carbon Dioxide Equivalent (CO2e)					
Scope 1 CO2e emissions (MT) <sup>2</sup>	N/A	3,825,389	3,845,830	3,447,385	
Scope 2 CO2e emissions (MT) <sup>3</sup>	N/A	1,834	1,291	2,239	
Scope 3 CO2e emissions (MT) <sup>4</sup>	N/A	N/A	N/A	1,200	
<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>					
<b>Nitrogen Oxide (NOx)</b>					
Total NOx Emissions (MT)	N/A	1,355	1,464	1,432	
Total NOx Emissions Intensity (MT/Net MWh)	N/A	2.41E-04	2.28E-04	2.19E-04	
<b>Sulfur Dioxide (SO2)</b>					
Total SO2 Emissions (MT)	N/A	867	862	823	
Total SO2 Emissions Intensity (MT/Net MWh)	N/A	1.54E-04	1.34E-04	1.26E-04	
<b>Mercury (Hg)</b>					
Total Hg Emissions (kg)	N/A	3.7	4.5	3.6	
Total Hg Emissions Intensity (kg/Net MWh)	N/A	6.52E-07	7.02E-07	5.56E-07	

1. Data reported based on equity-owner.

2. Biogenic Emissions are not included in Scope 1.

3. The Scope 2 emissions were calculated based on the market-based emissions methodology.

4. CMS Enterprises reports known emissions associated with one Scope 3 category, waste generated in operations. Emissions data for business travel is included with Consumers Energy data.



TREND KEY: ■ Not Rated ■ No Change ■ Better ■ Worse

CMS ENTERPRISES RESOURCES	Baseline				
	2005	2018	2019	2020	TREND
<b>Human Resources</b>					
Total Number of Employees	N/A	178	181	186	■
Total Female Employees	N/A	26	23	22	■
Percent Female Employees	N/A	15%	13%	12%	■
Total Minority Employees	N/A	13	16	18	■
Percent Minority	N/A	7%	9%	10%	■
Total Veteran Employees	N/A	12	14	18	■
Percent Veteran Employees	N/A	7%	8%	10%	■
Total Individuals with Disabilities	N/A	3	2	2	■
Percent Individuals with Disabilities	N/A	2%	1%	1%	■
Total Females in Management	N/A	1	1	1	■
Percent Females in Management	N/A	5%	4%	5%	■
Total Minorities in Management	N/A	2	3	3	■
Percent Minorities in Management	N/A	10%	13%	14%	■
<b>Employee Safety Metrics</b>					
Recordable Incident Rate	7.01	1.21	1.23	1.22	■
Lost-time Case Rate	2.00	0.34	0.50	0.53	■
Days Away, Restricted, and Transfer (DART) Rate	3.22	0.75	0.84	0.89	■
Work-related Fatalities	1	1	0	0	■
<b>Fresh Water Resources</b>					
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	N/A	3.33E-07	3.67E-07	3.23E-07	■
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	N/A	4.35E-07	4.56E-07	4.09E-07	■
<b>Waste Products</b>					
Amount of Hazardous Waste Manifested for Disposal (tons)	N/A	0	0	0	■
Percent of Coal Combustion Products Beneficially Used	N/A	0%	0%	0%	■



## Natural Gas Business Sustainability Metrics

**Parent Company:** CMS Energy  
**Operating Company(s):** Consumers Energy Company  
**Business Type(s):** Vertically Integrated  
**State(s) of Operation:** Michigan  
**Regulatory Environment:** Regulated  
**Report Date:** October 1, 2021



**TREND KEY:** ■ Not Rated ■ No Change ■ Better ■ Worse

### CONSUMERS ENERGY NATURAL GAS DISTRIBUTION

	2019	2020	TREND
<b>Methane Emissions And Mitigation From Distribution Mains</b>			
Number of Gas Distribution Customers	1,782,031	1,797,391	■
Distribution Mains in Service			
Plastic (miles)	14,734	14,912	■
Cathodically Protected Steel - Bare & Coated (miles)	12,387	12,324	■
Unprotected Steel - Bare & Coated (miles)	456	466	■
Cast Iron / Wrought Iron - without upgrades (miles)	382	364	■
Remaining Miles of Distribution Mains (# years to complete)			
Our Enhanced Infrastructure Replacement Program began in 2012 and is scheduled to be completed in 2030.			
Unprotected Steel (Bare & Coated) (# years to complete)	17	9	■
Cast Iron / Wrought Iron (# years to complete)	17	9	■
<b>Distribution CO2e Fugitive Emissions</b>			
CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	226,912	227,882	■
CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	9,076	9,115	■
CH4 Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	473	475	■
Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	387,943,984	357,857,272	■
Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	368,547	339,964	■
Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.128%	0.140%	■

### CONSUMERS ENERGY NATURAL GAS TRANSMISSION AND STORAGE

#### Onshore Natural Gas Transmission Compression Methane Emissions

	Data for Subpart W-Only Sources		
Pneumatic Device Venting (metric tons/year)	0.1	0.1	■
Blowdown Vent Stacks (metric tons/year)	383	74.5	■
Transmission Storage Tanks (metric tons/year)	0	1	■
Flare Stack Emissions (metric tons/year)	0	0	■
Centrifugal Compressor Venting (metric tons/year)	21	11	■
Reciprocating Compressor Venting (metric tons/year)	270	380	■
Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	51	71	■
Other Leaks (metric tons/year)	0	0	■
Total Transmission Compression Methane Emissions (metric tons/year)	726	537	■
Total Transmission Compression Methane Emissions (CO2e/year)	18,142	13,428	■
Total Transmission Compression Methane Emissions (MSCF/year)	37,797	27,974	■



TREND KEY: ■ Not Rated ■ No Change ■ Better ■ Worse**CONSUMERS ENERGY NATURAL GAS TRANSMISSION AND STORAGE****2019****2020**

TREND

**Underground Natural Gas Storage Methane Emissions**

	Below Subpart W reporting threshold		
Pneumatic Device Venting (metric tons/year)	N/A	N/A	■
Flare Stack Emissions (metric tons/year)	N/A	N/A	■
Centrifugal Compressor Venting (metric tons/year)	N/A	N/A	■
Reciprocating Compressor Venting (metric tons/year)	N/A	N/A	■
Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)	N/A	N/A	■
Other Equipment Leaks (metric tons/year)	N/A	N/A	■
Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)	N/A	N/A	■
Other equipment leaks from components associated with storage wellheads (metric tons/year)	N/A	N/A	■
Total Storage Methane Emissions (metric tons/year)	N/A	N/A	■
Total Storage Methane Emissions (CO <sub>2</sub> e/year)	N/A	N/A	■
Total Storage Methane Emissions (MSCF/year)	N/A	N/A	■

**Onshore Natural Gas Transmission Pipeline Blowdowns**

	Below Subpart W reporting threshold		
Transmission Pipeline Blowdown Vent Stacks (metric tons/year)	N/A	N/A	■
Transmission Pipeline Blowdown Vent Stacks (CO <sub>2</sub> e/year)	N/A	N/A	■
Transmission Pipeline Blowdown Vent Stacks (MSCF/year)	N/A	N/A	■

**Other Non-Sub W Emissions Data**

Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)	N/A	N/A	■
Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO <sub>2</sub> e/year)	N/A	N/A	■
Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)	N/A	N/A	■

**Summary and Metrics**

Total Transmission and Storage Methane Emissions (MMSCF/year)	38	28	■
Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)	242,903,533	209,910,872	■
Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)	230,758	199,415	■
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.016%	0.014%	■





This report contains “forward-looking statements” which may cause our results to differ materially. All forward-looking statements should be considered in the context of the risk and other factors detailed from time to time in CMS Energy’s and Consumers Energy’s Securities and Exchange Commission (“SEC”) filings. Forward-looking statements should be read in conjunction with “FORWARD-LOOKING STATEMENTS AND INFORMATION” and “RISK FACTORS” sections of our most recent Form 10-K and as updated in other reports we file with the SEC, which can be found on our Regulatory Filings page. The information in this report may apply standards of materiality that are different than standards applied to other investors or required to be disclosed in SEC filings. CMS Energy and Consumers Energy 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.

