



**Consumers Energy**

*Count on Us®*

**Choose Clean.  
Help Michigan's Future Grow!**

# Projected Environmental Characteristics of Consumers Energy Electricity

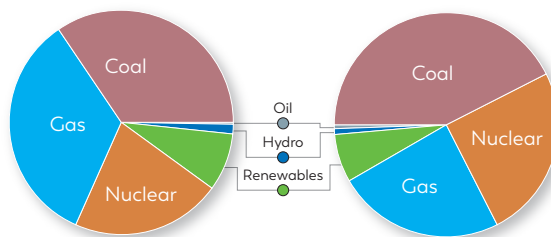
October 1, 2018 – September 30, 2019

Fuel Source	Percentage of fuel type used to produce Consumers Energy's total electricity	Regional* average fuel mix used to generate electricity
Coal	34.6%	41.8%
Nuclear	21.6%	26.6%
Gas	33.7%	23.6%
Hydroelectric	1.5%	0.8%
Oil	0.1%	0.4%
(1) Other	< 0.1%	—
<b>Renewable Fuels</b>	<b>8.3%</b>	<b>6.8%</b>
Wind	4.7%	4.9%
Wood	2.5%	0.4%
Solid Waste	1.0%	< 0.1%
Biomass	< 0.1%	0.5%
Biofuel	0.1%	0.8%
Solar	< 0.1%	0.1%

Emissions/Waste in Pounds Per Megawatt-hour	Emissions/Waste for Fossil and Nuclear Generation	
	Consumers Energy	Regional* Average
Sulfur Dioxide	0.8	1.9
Carbon Dioxide	1,630.1	1,927.0
Oxides of Nitrogen	0.80	1.2
(2) High-Level Nuclear Waste	0.0069	0.006

Percentage of fuel type used to produce Consumers Energy's total electricity

Regional\* average fuel mix used to generate electricity



The fuel mix data for the electricity supplied to you by Consumers Energy that appears in this table includes regional average fuel mix data from Michigan, Illinois, Indiana, Ohio, and Wisconsin as a proxy for the actual fuel mix of certain electricity purchased by Consumers Energy because the actual fuel mix characteristics of that purchased electricity could not be discerned. Purchased electricity accounted for 17.4% of the electricity supplied by Consumers Energy during the relevant period.

**Please Note:** Numbers do not add to 100 percent due to rounding.  
\* Regional average fuel mix data was compiled from Michigan, Illinois, Indiana, Ohio and Wisconsin.

- (1) "Other" power is produced from the Ludington pumped storage facility.
- (2) The high level waste generated by Palisades is not discharged to the environment.

Electric Business Service Rates			
RATE	DESCRIPTION	FULL SERVICE (1)	RETAIL OPEN ACCESS (2)
GS	General Service Secondary	1100	2100
GSD	General Service Secondary Demand	1120, 1140	2120, 2140
GSTU	General Service Secondary Time of Use	1121	N/A
GP	General Service Primary	1200, 1210	2200, 2210
GPD	General Service Primary Demand	1220, 1230	2220, 2230
GPTU	General Service Primary Time of Use	1280, 1285	N/A
AR	Experimental Advanced Renewable Program	1105, 1115, 1125, 1135, 1205, 1215, 1225, 1235	2105, 2115, 2125, 2135, 2205, 2215, 2225, 2235
EIP	Energy Intensive Primary	1250	N/A
GSG-2	General Service Primary Self Generation	1320, 1325, 1340, 1345, 1350	N/A
GML	General Service Metered Lighting	1400, 1405	N/A
GUL	General Service Unmetered Lighting	1410, 1415, 1420, 1425, 1430, 1435, 1440, 1445, 1450, 1455, 1460	N/A
GU-XL	General Unmetered Experimental Lighting Rate	1600, 1650	N/A
GU	General Service Unmetered	1500	N/A

Natural Gas Business Service Rates			
RATE	DESCRIPTION	FULL SERVICE	CUSTOMER CHOICE
GS-1	General Service/Commercial/Industrial	261, 263, 273, 275	277, 279
GS-1	General Service/Commercial/Industrial/Master Account	265, 267	
GS-1	General Service/Commercial/Industrial/Contiguous Account	269, 271	
GS-2	General Service/Commercial/Industrial	262, 264, 274, 276	278, 280
GS-2	General Service/Commercial/Industrial/Master Account	266, 268	
GS-2	General Service/Commercial/Industrial/Contiguous Account	270, 272	
GS-3	General Service/Commercial/Industrial	281, 282, 287, 288	289, 290
GS-3	General Service/Commercial/Industrial/Master Account	285, 284	
GS-3	General Service/Commercial/Industrial/Contiguous Account	285, 286	
GL	General Service Outdoor Lighting	048	
ST, LT, XLT, XXLT	Gas Transportation Service, Cost Based	ST-1, LT-1, XLT-1, XXLT-1	
ST, LT, XLT, XXLT	Gas Transportation Service, Optional	ST-2, LT-2, XLT-2, XXLT-2	

# Options For Your Business



**Consumers Energy**

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## **Learn About Our Clean Energy Plan:**

Join the movement as we work to meet Michigan's needs.

**Energy Efficiency Solutions:** We offer a variety of energy efficiency programs to make it easier to implement energy improvements and reduce costs.

**Online Account:** It's free and easy. You can manage your account anytime, anywhere. Choose eBill and save time and clutter with paperless billing.

**Many Ways to Pay:** Set up Auto-pay for worry-free monthly payments or make a one-time payment online, over the phone, by mail or in person.

**Outage, Billing and Payment Alerts:** Sign up for alerts via text or email to stay up to date on your business account.

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**For more details, visit:**  
**[ConsumersEnergy.com/businesscenter](https://www.consumersenergy.com/businesscenter)**