

Delivering VALUE AND OPTIONS for Michigan

Karen Smoots, inventor of the Green Glove Dryer.

A MOM'S BUSINESS JOURNEY

See how a Michigan mom is helping kids and parents in homes and schools.

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Environmental Characteristics of Consumers Energy Electricity - Oct. 1, 2017 - Sept. 30, 2018

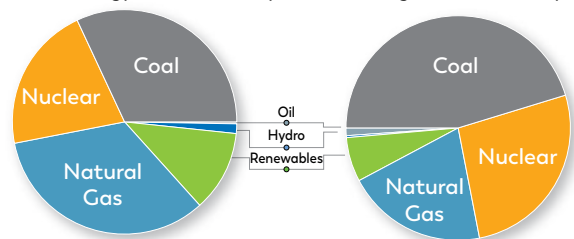
FUEL SOURCE	Percentage of fuel type used to produce Consumers Energy's total electricity	Regional* average fuel mix used to generate electricity
Coal	32.1%	45.5%
Nuclear	20.9%	26.6%
Natural Gas	33.5%	20.2%
Hydroelectric	1.5%	0.9%
Oil	0.1%	0.4%
(1) Other	< 0.1%	0%
RENEWABLE FUELS	11.6%	6.4%
Wind	8.4%	4.3%
Wood	2.1%	0.5%
Solid Waste Incineration	1.0%	< 0.1%
Biomass	< 0.1%	0.5%
Biofuel	0.1%	0.9%
Solar	< 0.1%	< 0.1%

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 14.6% of the electricity supplied by Consumers Energy during the relevant period.

EMISSIONS/WASTE IN POUNDS PER MEGAWATT-HOUR	Emissions/Waste for Fossil and Nuclear Generation	
	Consumers Energy	Regional* Average
Sulfur Dioxide	0.8	2.4
Carbon Dioxide	1612.7	1916.0
Oxides of Nitrogen	0.75	1.3
(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



* 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.

CHOICES FOR YOUR BUSINESS



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ELECTRIC RATES

- (1) "Full Service" includes both power supply and delivery services from Consumers Energy.
 (2) "Retail Open Access" includes delivery services from Consumers Energy. Power Supply is obtained from an alternative electric supplier.

RATE	DESCRIPTION	FULL SERVICE (1)	RETAIL OPEN ACCESS (2)
CS	General Service Secondary	1100, 1110	2100, 2110
GSD	General Service Secondary Demand	1120, 1130, 1140, 1150	2120, 2150, 2140, 2150
CSTU	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
CSG-2	General Service Primary Self Generation	1320, 1325, 1330, 1340, 1345, 1350	N/A
CML	General Service Metered Lighting	1400, 1405	N/A
CUL	General Service Unmetered Lighting	1410, 1415, 1420, 1425, 1430, 1435, 1440, 1445, 1450, 1455, 1460	N/A
CU-XL	General Unmetered Experimental Lighting Rate	1600, 1650	N/A
CU	General Service Unmetered	1500	N/A

WE'RE COMMITTED to providing your business with stable and competitive rates over the long haul. We offer pricing, rate and payment options to fit how your business uses energy, and help your business manage its energy bill. Here are our most common rate options. Some restrictions apply.

Learn more at ConsumersEnergy.com/ratesbiz

NATURAL GAS RATES

RATE	DESCRIPTION	FULL SERVICE	CUSTOMER CHOICE
CS-1	General Service/Commercial/Industrial	261, 263, 273, 275	277, 279
CS-1	General Service/Commercial/Industrial/Master Account	265, 267	
CS-1	General Service/Commercial/Industrial/Contiguous Account	269, 271	
CS-2	General Service/Commercial/Industrial	262, 264, 274, 276	278, 280
CS-2	General Service/Commercial/Industrial/Master Account	266, 268	
CS-2	General Service/Commercial/Industrial/Contiguous Account	270, 272	
CS-3	General Service/Commercial/Industrial	281, 282, 287, 288	289, 290
CS-3	General Service/Commercial/Industrial/Master Account	283, 284	
CS-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, XLT-1, XXLT-1	