

# Fuel Mix Report

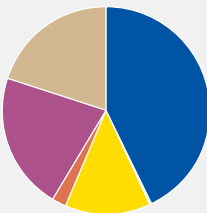
The fuel mix characteristics of Great Lakes Energy Cooperative as required by Public Act 141 of 2000 for the 12-month period ending 12/31/17.

## Comparison Of Fuel Sources Used

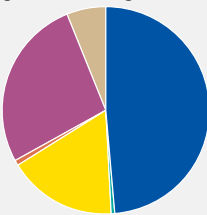
Regional average fuel mix used		
Your co-op's fuel mix		
Fuel Source		
Coal	42.8%	48.8%
Oil	0.3%	0.4%
Gas	13.5%	17.0%
Hydroelectric	2.2%	0.9%
Nuclear	21.3%	26.8%
Renewable Fuels	19.9%	6.1%
<i>Biofuel</i>	0.7%	0.9%
<i>Biomass</i>	0.4%	0.5%
<i>Solar</i>	0.3%	0.1%
<i>Solid Waste Incineration</i>	0.1%	0.1%
<i>Wind</i>	18.1%	4.1%
<i>Wood</i>	0.3%	0.4%

NOTE: Biomass above excludes wood; solid waste incineration includes landfill gas; and wind includes a long-term renewable purchase power contract in Wolverine's mix.

### Your Co-op's Fuel Mix



### Regional Average Fuel Mix



## Emissions And Waste Comparison

Type Of Emission/Waste	lbs/MWh	
	Your Co-op	Regional Average*
Sulfur Dioxide	3.0	3.7
Carbon Dioxide	1,674	1,999
Oxides of Nitrogen	1.2	1.4
High-level Nuclear Waste	0.0066	0.0083

\*Regional average information was obtained from MPSC website and is for the 12-month period ending 12/31/17. Great Lakes Energy purchases 100% of its electricity from Wolverine Power Supply Cooperative, Inc., which provided this fuel mix and environmental data.