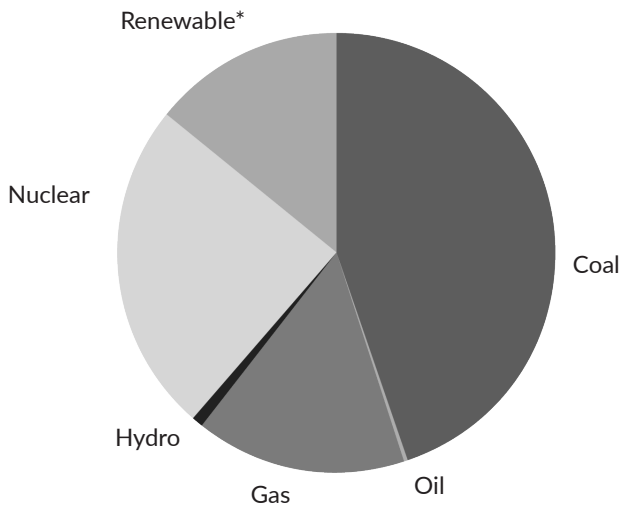


The environmental characteristics of your electricity as reported to the Michigan Public Service Commission pursuant to Public Act 141 of 2000 are as follows.

Average fuel mix comparison – Wolverine’s regional average versus ECAR’s regional average for the 12-month period ending December 31, 2017.

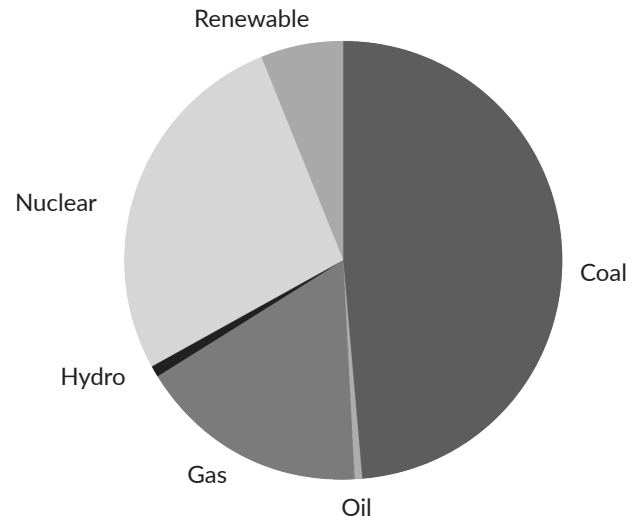
Percent of Fuel Type Used to Produce Wolverine’s Total Electricity



Coal	44.8%
Oil	0.4%
Gas	15.5%
Hydro	0.8%
Nuclear	24.6%
Renewable*	13.9%
Total Net Generation and Purchased Power	100%

*Inclusion of long-term renewable (wind) purchase power

Percent of Fuel Type Used to Produce Electricity in Michigan, Illinois, Indiana, Ohio and Wisconsin



Coal	48.8%
Oil	0.4%
Gas	17.0%
Hydro	0.9%
Nuclear	26.8%
Renewable	6.1%
Total Net Generation and Purchased Power	100%

Airborne emissions and high-level nuclear waste comparison – Wolverine’s regional average versus ECAR’s regional average for the 12-month period ending December, 31, 2017.

Type of Emission/ Waste	Wolverine’s Average (Pounds/MWh)	Regional Average of All Generation in Michigan, Illinois, Indiana, Ohio and Wisconsin (Pounds/MWh)
Sulfur Dioxide	3.4	3.7
Carbon Dioxide	1,835	1,999
Oxides of Nitrogen	1.3	1.4
High-Level Nuclear Waste	0.0076	0.0083