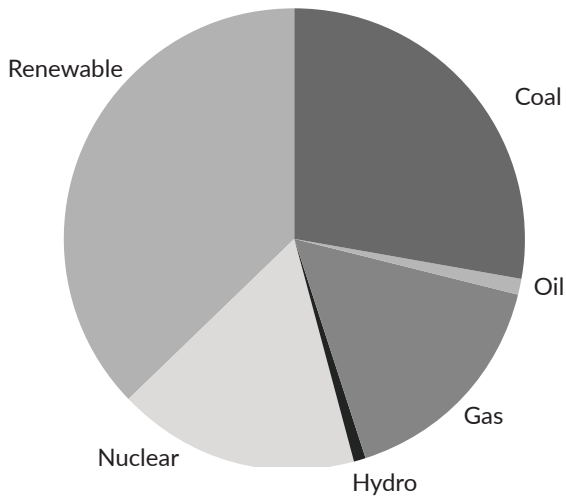




The environmental characteristics of your electricity as reported to the Michigan Public Service Commission pursuant to Public Act 141 of 2000 are as follows.

Average fuel mix comparison – Wolverine’s regional average for Spartan Renewable Energy versus ECAR’s regional average for the 12-month period ending December 31, 2019

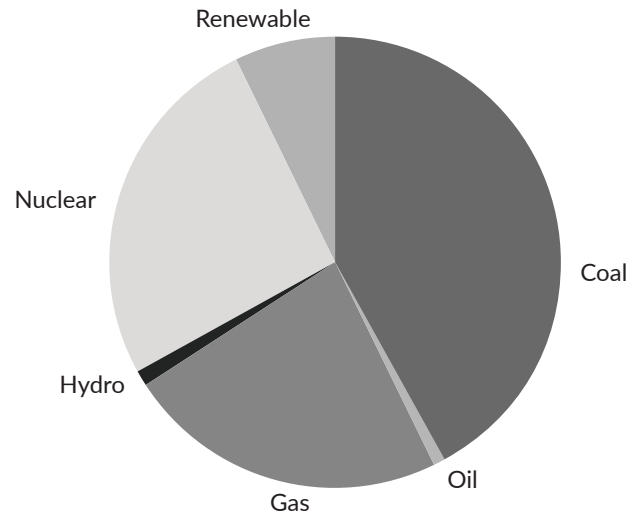
Percent of Fuel Type Used to Produce Spartan Renewable Energy’s Total Electricity



Coal	28.01%
Oil	0.27%
Gas	15.83%
Hydro	0.51%
Nuclear	17.82%
Renewable	37.56%

Total Net Generation and Purchased Power 100%

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



Coal	41.81%
Oil	0.41%
Gas	23.61%
Hydro	0.76%
Nuclear	26.61%
Renewable	6.80%

Total Net Generation and Purchased Power 100%

Airborne emissions and high-level nuclear waste comparison – Wolverine’s regional average for Spartan versus ECAR’s regional average for the 12-month period ending December, 31, 2019.

Type of Emission/ Waste	Spartan’s Average (Pounds/MWh)	Regional Average of All Generation in Michigan, Illinois, Indiana, Ohio and Wisconsin (Pounds/MWh)
Sulfur Dioxide	0.84	1.25
Carbon Dioxide	836.00	1,248.0
Oxides of Nitrogen	0.61	0.91
High-Level Nuclear Waste	0.0040	0.0060