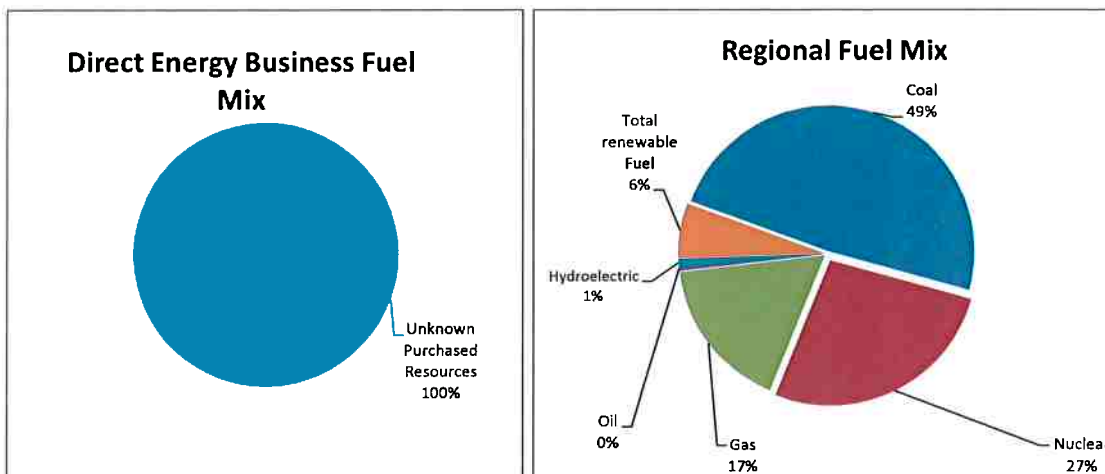




The environmental characteristics of your electricity as required by Public Act 141 of 2000

**Comparison of the Fuel Sources Used to Generate Electricity**

Direct Energy Business vs. regional average for the 12-month period ended 10/31/2017



Fuel Sources	Percentage of fuel types used to produce Direct Energy Business electricity.	Percentage of fuel type used to produce electricity in Michigan, Illinois, Indiana, Ohio, and Wisconsin.
Coal	0	48.752
Nuclear	0	26.841
Gas	0	17.003
Oil	0	0.419
Hydroelectric	0	0.907
Total Renewable Fuel	0	6.077
Biomass	0	0.523
Biofuel	0	0.908
Solid Waste Incineration	0	0.036
Wind	0	4.076
Wood	0	0.436
Solar	0	0.098
Unknown	100	100.00

Note: (1) Biomass above excludes wood; solid waste incineration includes landfill gas, and (2) "--" indicates not applicable or negligible, less than 0.1%.

**Airborne Emissions and High-Level Nuclear Waste Comparison**

Direct Energy Business, LLC vs. regional average for the 12-month period ended 10/31/2017

Type of emission/waste	Direct Energy Business average lbs/MWh	A regional average of all generation in Michigan, Illinois, Indiana, Ohio, and Wisconsin
Sulfur Dioxide	Unknown	3.72
Carbon Dioxide	Unknown	1,999
Oxides of Nitrogen	Unknown	1.42
High-level nuclear waste	Unknown	0.0083