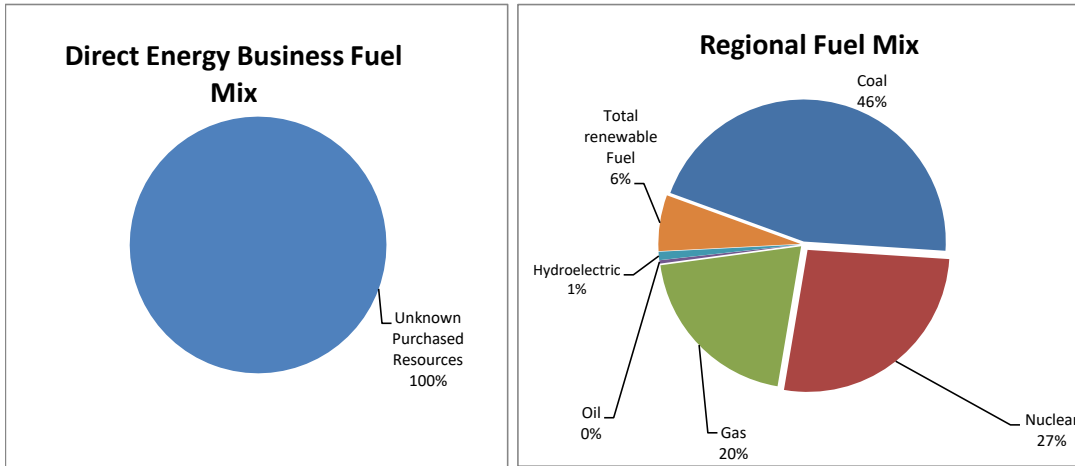




The environmental characteristics of your electricity as required by Public Act 141 of 2000

Comparison of the Fuel Sources Used to Generate Electricity

Direct Energy Business vs. regional average for the 12-month period ended 07/31/2018



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	45.48
Nuclear	0	26.624
Gas	0	20.204
Oil	0	0.379
Hydroelectric	0	0.945
Total Renewable Fuel	0	6.369
Biomass	0	0.486
Biofuel	0	0.91
Solid Waste Incineration	0	0.038
Wind	0	4.311
Wood	0	0.493
Solar	0	0.131
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 12/31/2016

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	2.37
Carbon Dioxide	Unknown	1,916
Oxides of Nitrogen	Unknown	1.28
High-level nuclear waste	Unknown	0.006