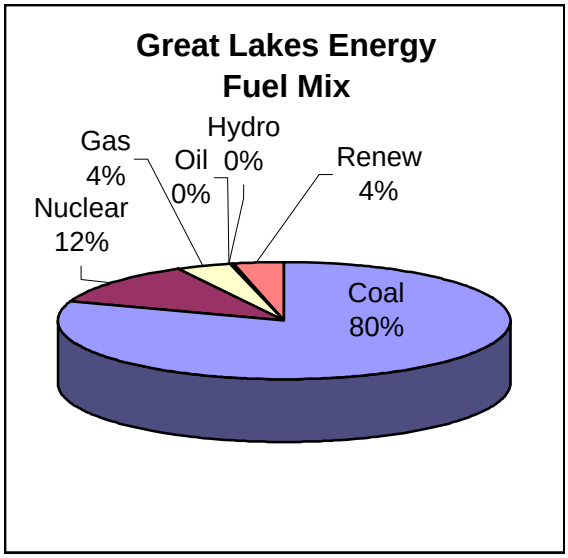
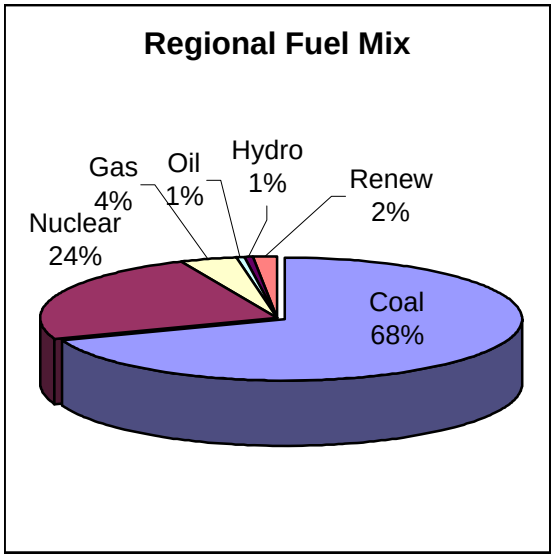
Great Lakes Energy Cooperative

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

Comparison of the Fuel Sources Used to Generate Electricity

Great Lakes Energy vs. regional average for the 12-month period ended 12/31/2009





Fuel Sources	Percentage of fuel types used to produce Great Lakes electricity.	Percentage of fuel type used to produce electricity in Michigan, Illinois, Indiana, Ohio, and Wisconsin (12/31/08).
Coal	80.4	69.4
Nuclear	11.7	23.9
Gas	4	4
Oil	0.1	0.5
Hydroelectric	0.2	0.6
Total Renewable Fuels	3.6	1.6
Biomass	0	0
Biofuel	0	0
Solid Waste Incineration	0.1	0.6
Wind	3.3	0.3
Wood	0.1	0.7
Solar	0	0

Note: (1) Biomass above excludes wood; solid waste incineration includes landfill gas, and (2) Inclusion of long-term renewable (wind) purchase power contract in Wolverine's mix.

Airborne Emissions and High-Level Nuclear Waste Comparison

Great Lakes Energy vs. regional average for the 12-month period ended 12/31/2009.

Type of emission/waste	Great Lakes Energy average lbs/MWh	A regional average of all generation in Michigan, Illinois, Indiana, Ohio, and Wisconsin (12/31/08).
Sulfur Dioxide	6.6	10.4
Carbon Dioxide	1,814	2,049
Oxides of Nitrogen	2.3	3.1
High-level nuclear waste	0.0083	0.0083

Note: Great Lakes Energy purchases 100% of its electricity from Wolverine Power Cooperative, which provided this fuel mix and environmental data.