



September 6, 2024

VIA E-DOCKET

Attn: Pat Poli
Michigan Public Service Commission
Competitive Energy Division
7109 West Saginaw Highway
Lansing, MI 48917

Re: Case No. U-12487 Disclosure Requirement for Electricity Suppliers

To Whom It May Concern:

In accordance with the Michigan Public Service Commission's Orders in Case No. U-12487, Calpine Energy Solutions, LLC ("Calpine Solutions") hereby submits the environmental information for the electricity offered for the twelve-month period ending July 31, 2023.

Calpine Solutions relied on spot market purchases and wholesale electricity contracts from which characteristics of the energy are not possible to determine at this time. Pursuant to Section 10(r)(3) of Michigan PA 141 of 2000, Calpine Solutions has disclosed the regional electric generation fuel mix, emission and nuclear waste characteristics in its environmental disclosure labels.

If you have any questions regarding this filing, please contact me at (619) 684-8200 or via email at bryan.white@calpinesolutions.com.

Sincerely,

A handwritten signature in blue ink that reads 'Bryan C. White'.

Bryan C. White
Senior Regulatory Compliance Analyst

Enclosure

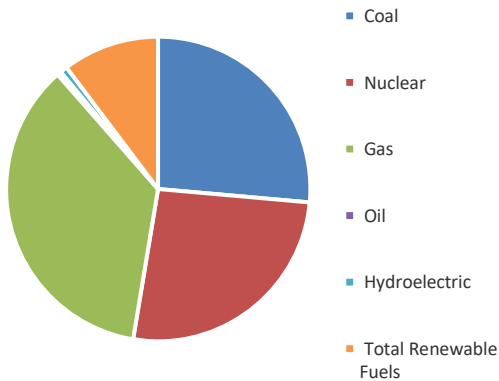


The environmental characteristics of your electricity as required by Public Act 141 of 2000.

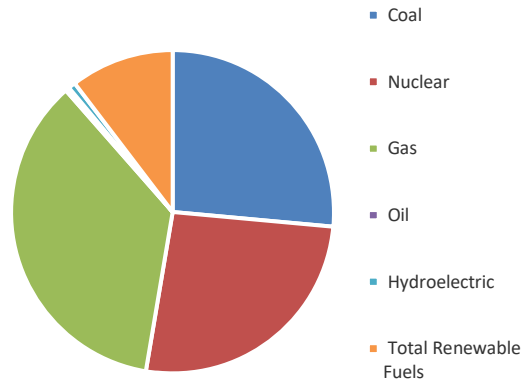
Comparison of the Fuel Sources Used to Generate Electricity

Calpine Energy Solutions, LLC vs regional average for 12-month period ending 07/31/23

Calpine Solutions' Fuel Mix



Regional Fuel Mix



Fuel Sources	Percentage of fuel types used to produce Calpine Energy Solutions, LLC's electricity	Percentage of fuel type used to produce electricity in Michigan, Illinois, Indiana, Ohio, and Wisconsin
Coal	26.45%	26.45%
Nuclear	26.17%	26.17%
Gas	35.92%	35.92%
Oil	0.43%	0.43%
Hydroelectric	0.72%	0.72%
Total Renewable Fuels	10.32%	10.32%
Biomass	0.36%	0.36%
Biofuel	0.76%	0.76%
Wind	7.62%	7.62%
Wood	0.40%	0.40%
Other	1.18%	1.18%

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

Calpine Energy Solutions, LLC vs regional average for 12-month period ending 12/31/21

Type of emission/waste	Calpine Energy Solutions, LLC average lbs/MWh	A regional average of all generation in Michigan, Illinois, Indiana, Ohio, and Wisconsin
Sulfur Dioxide	0.95 pounds	0.95 pounds
Carbon Dioxide	1092 pounds	1092 pounds
Nitrogen Oxides	0.78 pounds	0.78 pounds
High-level nuclear waste	0.006 pounds	0.006 pounds