Maryland
Bi-Annual Environmental Disclosure Statement

January 1, 2024 - December 31, 2024

Average Amount Of Air Emissions And Nuclear Waste Per One Megawatt-Hour (MWh) Produced From Known Sources

Air Emissions

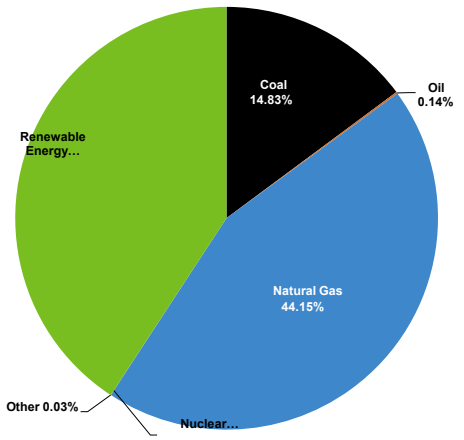
Average Nitrogen Oxide (NO_x), Sulfur Dioxide (SO_2) and Carbon Dioxide (CO_2) emissions for the system mix used by AEP Energy in the PJM region as compared to the overall supply mix.

Emission Type	Pounds per MWh
Nitrogen Oxide	0..2571
Sulfur Dioxide	0.312
Carbon Dioxide	743.5221

CO_2 is a greenhouse gas which may contribute to global climate change. SO_2 and NO_x released into the atmosphere react to form acid rain. Nitrogen Oxide also reacts to form ground level ozone, an unhealthy component of smog.

Sources Of Electricity Supplied

PJM System Mix



The following distribution of energy resources was used to produce electricity in the PJM Region from the system mix.

Fuel Type	Precentage by Fuel Type
Coal	14.80%
Oil	0.14%
Natural Gas	44.15%
Nuclear	0.00%
Other	0.03%
Renewable Energy	
Biomass	0.08%
Captured Methane Gas	0.53%
Solar Voltaic	2.12%
Solid Waste	0.46%
Water	33.56%
Wind	3.75%
Wood/Wood Waste	0.17%
Renewable Energy Subtotal	40.68%
Total	100%

The PJM system average emission levels are based on PJM data from the system mix from January 1, 2024 through December 31, 2024 from PJM Generation Attributes Tracking System (GATS).

The disclosure of this information is required under the Maryland Public Service Commission Case No. 8738, Order No. 76241, 77412 and 77666.

When you choose a retail electric supplier, that supplier is responsible for purchasing power that is added to the power grid in an amount equivalent to your electricity use. Electricity customers served by AEP Energy that are located in Maryland's service territory are supplied by system power purchased from PJM, the local regional transmission organization. AEP Energy does not provide power from any particular generating facilities; rather, the PJM system power purchased by AEP Energy consists of electricity from a variety of power plants that PJM then transmits throughout the region as needed to meet the requirements of all customers in the PJM territory (including Pennsylvania, New Jersey, Maryland, Delaware, Washington, D.C., Ohio and the Commonwealth Edison territory in Illinois).

AEP Energy reports fuel sources and emissions data from PJM to its customers bi-annually, allowing customers to compare data among the companies providing electricity service in Maryland. This product mix is subject to change and is updated on a bi-annual basis.

QUESTIONS? | For more information call 866-258-3782 or visit **AEPenergy.com.**

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