



Pennsylvania 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 (SO₂) and Carbon
Dioxide (CO₂) 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	0.257
Sulfur Dioxide	0.312
Carbon Dioxide	743.522

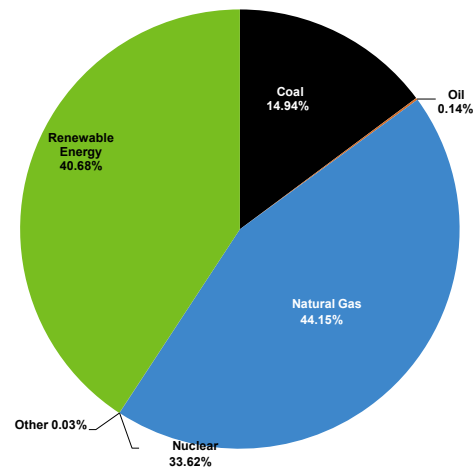
CO₂ is a greenhouse gas which may contribute to global climate
change. SO₂ and NO_x released into the atmosphere react to form
acid rain. Nitrogen Oxide also reacts to form ground level ozone,
an unhealthy component of smog.

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 Pennsylvania'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 Pennsylvania. This
product mix is subject to change and is updated on a
bi-annual basis.

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	Percentage 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	4.22%
Water	33.56%
Wind	0.00%
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).

QUESTIONS? | For more information call 866-258-3782 or visit [AEPenergy.com](https://www.aepenergy.com).

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