

ENERGY SOURCE

PJM System Mix

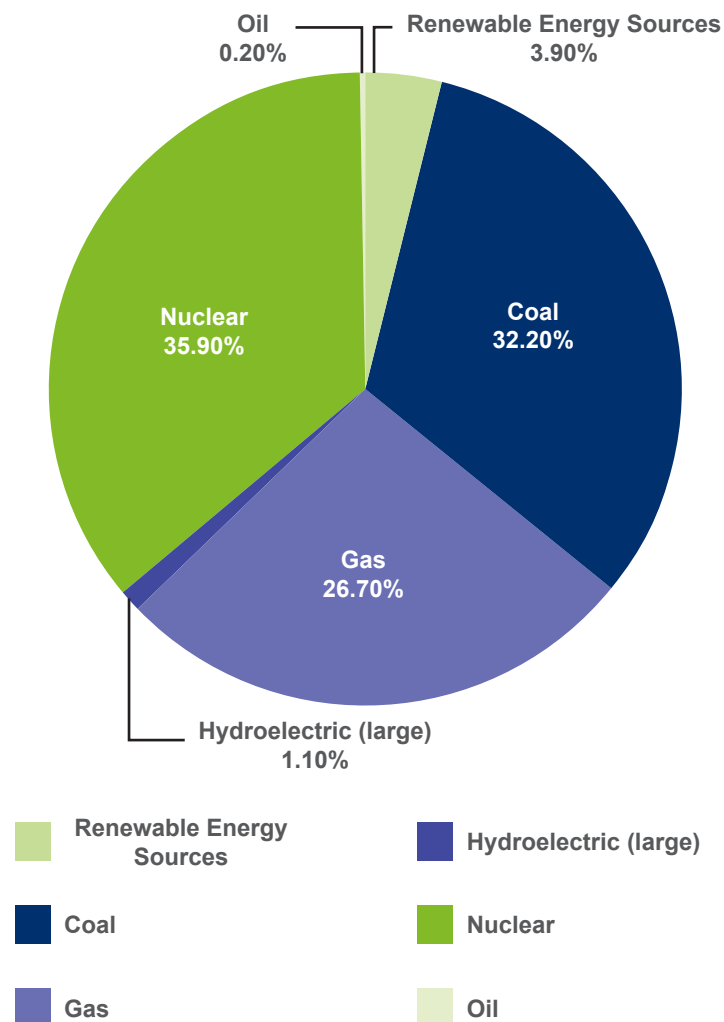
Coal	32.20%
Gas	26.70%
Hydroelectric (large)	1.10%
Nuclear	35.90%
Oil	0.20%

Renewable Energy Sources

Captured methane gas	0.30%
Fuel cells	0.00%
Geothermal	0.00%
Hydroelectric (small)	0.00%
Solar	0.20%
Solid waste	0.50%
Wind	2.60%
Wood or other biomass	0.30%

Total 100.00%

RENEWABLE ENERGY SOURCES SUBTOTAL 3.90%



AIR EMISSIONS RATES

Pursuant to N.J.A.C. 14:8-3:1(b)2, air emission rates for CO₂, NO_x, and SO₂ associated with the fuel mix must be reported in units of pound per megawatt-hour (lb/MWh). The Benchmark Energy Source and emission rate data is the PJM System Mix for EY 2018 and represent the average amount of air pollution associated with the generation of electricity in the PJM region. The PJM System Mix average emission rate for all electricity generation in the PJM Region can be used for comparison when a NJ TPS or BGS Provider supplies actual emission data for a product making an affirmative environmental claim that exceeds the NJ Renewable Portfolio Standards. CO₂ is a “greenhouse gas” which may contribute to global climate change. NO_x and SO₂ react to form acids found in acid rain. NO_x also reacts to form ground level ozone, an unhealthy component of “smog.” For illustrative purposes, the chart below compares a hypothetical electricity product that contained 100% NJ generation sources to the PJM System Mix

Data Source	CO ₂ (lb/MWh)	NO _x (lb/MWh)	SO ₂ (lb/MWh)
PJM System Mix	947.59	0.62	0.74
NJ Benchmark	598.00	0.33	0.08

	CO ₂	NO _x	SO ₂
PJM System Mix (%)	100	100	100
NJ Generation (%)	63	53	11

NJ Generation Emissions Rates

(expressed as a percentage of PJM System Mix)

