

PJM System-Wide Generation Fuel Mix

<p>Power Sources</p> <p>Sources of electricity for all Direct Energy customers in the reporting period 1/1/2022 - 12/31/2022 was met by generation from the following sources:</p>	<p>Sources of electricity supplied for the 12 months ending 12/31/2022.</p> <table border="1"> <thead> <tr> <th>Source</th> <th>Percentage of total</th> </tr> </thead> <tbody> <tr><td>Coal</td><td>20.1600</td></tr> <tr><td>Oil</td><td>0.2200</td></tr> <tr><td>Natural Gas</td><td>40.0800</td></tr> <tr><td>Nuclear</td><td>32.6900</td></tr> <tr><td>Hydro</td><td>0.0000</td></tr> <tr><td> *Biomass</td><td>0.0000</td></tr> <tr><td> *Captured Methane Gas</td><td>0.2100</td></tr> <tr><td> *Solar Voltaic</td><td>0.1100</td></tr> <tr><td> *Solid Waste</td><td>0.4800</td></tr> <tr><td> *Water</td><td>0.9900</td></tr> <tr><td> *Wind</td><td>3.7900</td></tr> <tr><td> *Wood/Wood Waster</td><td>0.1900</td></tr> <tr><td>Total:</td><td>100%</td></tr> <tr><td><i>*Renewable Energy Resources Subtotal:</i></td><td><i>6.77%</i></td></tr> </tbody> </table>	Source	Percentage of total	Coal	20.1600	Oil	0.2200	Natural Gas	40.0800	Nuclear	32.6900	Hydro	0.0000	*Biomass	0.0000	*Captured Methane Gas	0.2100	*Solar Voltaic	0.1100	*Solid Waste	0.4800	*Water	0.9900	*Wind	3.7900	*Wood/Wood Waster	0.1900	Total:	100%	<i>*Renewable Energy Resources Subtotal:</i>	<i>6.77%</i>
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<p>Air Emissions</p> <p>Carbon dioxide (CO₂), nitrogen oxides (NO_x), and sulfur dioxide (SO_x) emission rates for the PJM Region.</p>	<p>PJM SYSTEM MIX - Emissions</p> <table border="1"> <thead> <tr> <th>Emission Type</th> <th>Lbs. per MWH</th> <th>Percentage of PJM Regional Average</th> </tr> </thead> <tbody> <tr><td>Carbon Dioxide</td><td>810.8353</td><td>100%</td></tr> <tr><td>Nitrogen Oxides</td><td>0.3311</td><td>100%</td></tr> <tr><td>Sulfur Dioxide</td><td>0.4416</td><td>100%</td></tr> </tbody> </table>	Emission Type	Lbs. per MWH	Percentage of PJM Regional Average	Carbon Dioxide	810.8353	100%	Nitrogen Oxides	0.3311	100%	Sulfur Dioxide	0.4416	100%																		
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The benchmark emission levels that are shown approximate the emission rate for all electricity generation in the PJM region. Data used to calculate the emission profile came from generator owner-entered values, EPA generator-specific emission factors based on 2004/2005 CEMS data, EPA plant emission factors from eGRID or fuel type default. CO is a “greenhouse gas” which may contribute to global climate change. SO and NO_x released into the atmosphere react to form acid rain. Nitrogen Oxides also react to form ground level ozone, an unhealthful component of “smog.”

One hundred percent of the total electricity supplied was purchased from other suppliers and the amount of nuclear waste attributable to producing this electricity is not known and is not included in this table.

