

Power Sources

Sources of electricity for all Direct Energy customers in the reporting period 4/1/2018 - 3/31/2019 was met by generation from the following sources.

Sources of electricity supplied for the 12 months ending 3/31/2019

| Source | Percentage of total |
|--|---------------------|
| Coal | 27.4642 |
| Oil | 0.1548 |
| Natural Gas | 32.6464 |
| Nuclear | 34.1557 |
| Hydro | 1.6467 |
| *Biomass | 0.0007 |
| *Captured Methane Gas | 0.2947 |
| *Solar Voltaic | 0.2671 |
| *Solid Waste | 0.5037 |
| *Water | 0 |
| *Wind | 2.5943 |
| *Wood/Wood Waster | 0.1944 |
| Total: | 100% |
| <i>*Renewable Energy Resources Subtotal:</i> | 3.85% |

Air Emissions

Carbon dioxide (CO₂), nitrogen oxides (NO_x), and sulfur dioxide (SO_x) emission rates for the PJM Regions.

PJM SYSTEM MIX - Emissions

| Emission Type | Lbs. per MWH | Percentage of PJM Regional Average |
|-----------------|--------------|------------------------------------|
| Carbon Dioxide | 907.5109 | 100% |
| Nitrogen Oxides | 0.4938 | 100% |
| Sulfur Dioxide | 0.6804 | 100% |

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 NOx released into the atmosphere react to form acid rain. Nitrogen Oxides also react to form ground level ozone, an unhealthy 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.

