

Power Sources

Sources of electricity supplied for the quarter ending 12/31/2018

Sources of electricity for Direct Energy Business, LLC (“DEB”) customers in the reporting period 10/01/2018 to 12/31/2018, was met by generation from the PJM system-wide generation fuel mix.

Source	Percentage of total
Coal	26.57
Oil	.17
Nuclear	35.74
Natural Gas	30.99
Gas – Other	0.06
* <i>Biomass</i>	0.00
* <i>Captured Methane Gas</i>	0.31
* <i>Hydro-Conventional</i>	1.97
* <i>Solar Voltaic</i>	0.20
* <i>Solid Waste-Municipal Solid Waste</i>	0.54
* <i>Wind</i>	3.25
* <i>Wood</i>	0.15
Total:	100%
* <i>Renewable Energy Resources Subtotal:</i>	6.4%

Air Emissions

Carbon dioxide (CO₂), nitrogen oxides (NO_x), and sulfur dioxide (SO₂) emission rates for the PJM Region.

PJM System Mix – Emissions

Emission Type	Lbs. per MWh	Percentage of PJM Regional Average
Carbon Dioxide	867.87	100%
Nitrogen Oxides	.481	100%
Sulfur Dioxide	.7288	100%

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 Oxides also react to form ground level ozone, an unhealthful component of “smog.”



NOTES

You may call DEB at 1-888-925-9115 or visit our website <http://www.business.directenergy.com> for more information.