

## Power Sources

Sources of electricity supplied for the quarter ending 12/31/2016

Sources of electricity for Direct Energy Business, LLC (“DEB”) customers in the reporting period 09/1/2016 to 12/31/2016, was met by generation from the PJM system-wide generation fuel mix.

Source	Percentage of total
Coal	31.75
Oil	0.17
Nuclear	36.99
Natural Gas	26.06
Gas – Other	0.00
*Biomass	0.00
*Captured Methane Gas	0.34
*Hydro-Conventional	0.86
*Solar Voltaic	0.13
*Solid Waste-Municipal Solid Waste	0.57
*Wind	2.95
*Wood	0.14
Total:	100%
*Renewable Energy Resources Subtotal:	4.99%

## Air Emissions

Carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), and sulfur dioxide (SO<sub>2</sub>) emission rates for the PJM Region.

PJM System Mix – Emissions

Emission Type	Lbs. per MWh	Percentage of PJM Regional Average
Carbon Dioxide	934.0425	100%
Nitrogen Oxides	0.7038	100%
Sulfur Dioxide	1.2688	100%

CO<sub>2</sub> is a “greenhouse gas” which may contribute to global climate change. SO<sub>2</sub> and NO<sub>x</sub> released into the atmosphere react to form acid rain. Nitrogen Oxides also react to form ground level ozone, an unhealthy 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.