



Washington Gas Energy Services

A Washington Gas Affiliated Company

Environmental Information for: Electric Power Supply Service in Maryland

Provided by: Washington Gas Energy Services, Inc. (WGES)

The following environmental information is for electricity supplied by WGES from July 1, 2010 to June 30, 2011. Last updated December 2011.

How to read this chart:

- 1.) Identify your current percentage of local wind power (printed towards the bottom of your electricity bill).
- 2.) Identify the corresponding column on this chart.
- 3.) Compare your fuel mix to the regional average, which is reflected in the last column on this chart entitled "PJM* System Mix."
- 4.) You'll see that a higher percentage of your electricity mix comes from clean wind power.

Source	3.5% Wind	5% Wind	7% Wind	10% Wind	50% Wind	100% Wind	PJM System Mix
Coal	45.1 %	44.4 %	43.4 %	42.0 %	22.7 %	0.0 %	48.1 %
Gas	12.5 %	12.3 %	12.0 %	11.6 %	6.3 %	0.0 %	13.3 %
Nuclear	32.5 %	31.9 %	31.2 %	30.2 %	16.3 %	0.0 %	34.6 %
Oil	0.5 %	0.5 %	0.4 %	0.4 %	0.2 %	0.0 %	0.5 %
Renewable Energy							
Captured Methane Gas	0.2 %	0.2 %	0.2 %	0.2 %	0.1 %	0.0 %	0.3 %
Geothermal	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Solar Voltaic	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Solar Thermal	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Solid Waste	0.5 %	0.5 %	0.5 %	0.5 %	0.3 %	0.0 %	0.6 %
Hydro-electric	2.3 %	2.3 %	2.2 %	2.2 %	1.8 %	0.0 %	1.0 %
Wind	4.9 %	6.4 %	8.3 %	11.3 %	50.7 %	100.0 %	1.5 %
Wood or other Biomass	1.6 %	1.6 %	1.6 %	1.6 %	1.5 %	0.0 %	0.2 %
Total	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %
Total Renewables	9.5 %	11.0 %	12.8 %	15.8 %	54.4 %	100.0 %	3.6 %

Air Emissions (lbs per MWh)	3.5% Wind	5.0% Wind	7.0% Wind	10.0% Wind	50.0% Wind	100.0% Wind	PJM System Mix
Sulphur Dioxide (SO ₂)	3.93	3.87	3.78	3.66	1.98	0.0	4.190
Nitrogen Oxides (NO _x)	0.98	0.97	0.95	0.92	0.51	0.0	1.01
Carbon Dioxide (CO ₂)	1,116.30	1,098.60	1,075.00	1,039.59	567.53	0.0	1,180.15

Washington Gas Energy Services, Inc. (WGES) is providing this Environmental Information for Electric Power Supply Service in accordance with the Maryland Public Service Commission's Order No. 76241, case No. 8738. Power plants can generate electricity from a number of different fuel sources, resulting in different emissions. WGES reports fuel sources and emissions to customers twice annually, allowing customers to compare data among the companies providing electricity service to Maryland. WGES-specific emissions and energy source (fuel mix) data vary from the PJM Interconnection average due to the benefit of additional purchases of Renewable Energy Credits as per the Renewable Energy Portfolio Standard (RPS) mandated by the state of Maryland. *PJM Interconnection is a regional transmission organization (RTO) that coordinates the movement of wholesale electricity in all or parts of 13 states and the District of Columbia. The WGES wind percentages shown correspond to PJM values only.