



# 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 January 1, 2009 to December 31, 2009. Last updated May 2010.

	PJM Average Residual Mix	WGES MD Average*	3.5% Wind (PJM)*	5% Wind (PJM)*	50% Wind (PJM)*	100% Wind (PJM)*
Coal	50.4 %	47.0 %	46.4 %	45.6 %	24.0 %	0.0 %
Gas	9.8 %	9.1 %	9.0 %	8.8 %	4.7 %	0.0 %
Nuclear	35.2 %	32.8 %	32.4 %	31.9 %	16.8 %	0.0 %
Oil	0.3 %	0.2 %	0.2 %	0.2 %	0.1 %	0.0 %
Renewable Energy						
Captured Methane Gas	0.0 %	0.1 %	0.1 %	0.1 %	0.1 %	0.0 %
Geothermal	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 %
Solar Thermal	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Solid Waste	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Hydro-electric	0.1 %	2.4 %	2.4 %	2.4 %	1.3 %	0.0 %
Wind	0.0 %	2.2 %	3.5 %	5.0 %	50.0 %	100.0 %
Wood or other Biomass	0.0 %	2.0 %	1.9 %	1.9 %	1.0 %	0.0 %
System Mix (undifferentiated)	4.2 %	4.1 %	4.0 %	4.0 %	2.1 %	0.0 %
<b>Total</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>	<b>100.0 %</b>

Air Emissions (lbs per MWh)	PJM Average	WGES MD Average*	3.5% Wind (PJM)*	5% Wind (PJM)*	50% Wind (PJM)*	100% Wind (PJM)*
Sulphur Dioxide (SO <sub>2</sub> )	6.20	5.80	5.72	5.63	2.96	0.00
Nitrogen Oxides (NO <sub>x</sub> )	1.75	1.71	1.69	1.66	0.88	0.00
Carbon Dioxide (CO <sub>2</sub> )	1179.06	1100.97	1086.60	1069.71	563.01	0.00

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 varies from the PJM 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. Standard residential customers receive 5% PJM-sourced wind, standard small commercial customers receive 3.5% PJM-sourced wind, and large commercial customer wind products may vary.