



**Washington Gas
Energy Services**
A Washington Gas Affiliated Company

**Environmental Information for: Electric Power Supply Service in the
District of Columbia**

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

The following environmental information is for electricity supplied by WGES from January 1, 2011 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* Residual Mix."
- 4.) You'll see that a higher percentage of your electricity mix comes from clean wind power.

| Source | 3.5% | 5% | 7% | 10% | 50% | 100% | PJM Residual Mix |
|-------------------------------|--------------|--------------|--------------|---------------|---------------|----------------|------------------------|
| | Wind | Wind | Wind | Wind | Wind | Wind | |
| Coal | 47.1 % | 46.3 % | 45.4 % | 43.9 % | 24.4 % | 0.0 % | 48.8 % |
| Gas | 12.4 % | 12.2 % | 11.9 % | 11.5 % | 6.4 % | 0.0 % | 12.8 % |
| Nuclear | 34.6 % | 34.0 % | 33.4 % | 32.3 % | 17.9 % | 0.0 % | 35.8 % |
| Oil | 0.3 % | 0.3 % | 0.3 % | 0.3 % | 0.1 % | 0.0 % | 0.3 % |
| Renewable Energy | | | | | | | |
| Captured Methane Gas | 0.3 % | 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 | 1.3 % | 1.2 % | 1.2 % | 1.2 % | 0.7 % | 0.0 % | 1.3 % |
| Wind | 3.5 % | 5.0 % | 7.0 % | 10.0 % | 50.0 % | 100.0 % | 0.0 % |
| Wood or other Biomass | 0.2 % | 0.2 % | 0.1 % | 0.1 % | 0.1 % | 0.0 % | 0.2 % |
| System mix (undifferentiated) | 0.0 % | 0.0 % | 0.0 % | 0.0 % | 0.0 % | 0.0 % | 0.0 % |
| Total | 100.0 % | 100.0 % | 100.0 % | 100.0 % | 100.0 % | 100.0 % | 100.0 % |
| Total Renewables | 5.8 % | 7.1 % | 9.0 % | 12.0 % | 51.2 % | 100.0 % | 2.4 % |

| Air Emissions (lbs per MWh) | 3.5% | 5.0% | 7.0% | 10.0% | 50.0% | 100.0% | PJM Residual Mix |
|--------------------------------|----------|----------|----------|----------|--------|--------|------------------------|
| | Wind | Wind | Wind | Wind | Wind | Wind | |
| Sulphur Dioxide (SO2) | 3.86 | 3.80 | 3.70 | 3.60 | 2.00 | 0.0 | 4.000 |
| Nitrogen Oxides (NOx) | 0.98 | 0.97 | 0.95 | 0.92 | 0.51 | 0.0 | 1.02 |
| Carbon Dioxide (CO2) | 1,107.17 | 1,089.96 | 1,061.28 | 1,032.59 | 573.66 | 0.0 | 1,147.33 |

Washington Gas Energy Services, Inc. (WGES) is providing this Environmental Information for Electric Power Supply Service in accordance with the District of Columbia Public Service Commission's 15 DCMR Section 4201. 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 the District of Columbia. 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 District of Columbia. *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.