

**Environmental Disclosure Information – Quarterly Comparisons**

**AEP Ohio**

**Projected Data for the 2017 Calendar Year**

**Actual Data for the Period 01/01/17 to 03/31/17**

<p><b>Generation Resource Mix -</b> A comparison between the sources of generation projected to be used to generate this product and the actual resources used during this period.</p>	<p align="center"><b>Projected</b></p> <table border="1"> <caption>Projected Generation Resource Mix</caption> <thead> <tr> <th>Resource</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Nuclear</td> <td>37%</td> </tr> <tr> <td>Coal</td> <td>33%</td> </tr> <tr> <td>Natural Gas</td> <td>25%</td> </tr> <tr> <td>Wind</td> <td>2.5%</td> </tr> <tr> <td>Hydro</td> <td>1.5%</td> </tr> <tr> <td>Biomass</td> <td>0.5%</td> </tr> <tr> <td>Other</td> <td>0.5%</td> </tr> </tbody> </table>	Resource	Percentage	Nuclear	37%	Coal	33%	Natural Gas	25%	Wind	2.5%	Hydro	1.5%	Biomass	0.5%	Other	0.5%	<p align="center"><b>Actual</b></p> <table border="1"> <caption>Actual Generation Resource Mix</caption> <thead> <tr> <th>Resource</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>Nuclear</td> <td>37%</td> </tr> <tr> <td>Coal</td> <td>32%</td> </tr> <tr> <td>Natural Gas</td> <td>25%</td> </tr> <tr> <td>Wind</td> <td>3.5%</td> </tr> <tr> <td>Hydro</td> <td>1.5%</td> </tr> <tr> <td>Biomass</td> <td>0.5%</td> </tr> <tr> <td>Other</td> <td>0.5%</td> </tr> </tbody> </table>	Resource	Percentage	Nuclear	37%	Coal	32%	Natural Gas	25%	Wind	3.5%	Hydro	1.5%	Biomass	0.5%	Other	0.5%
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<p><b>Environmental Characteristics–</b> A description of the characteristics associated with each possible generation resource.</p>	Biomass Power	Air Emissions and Solid Waste
	Coal Power	Air Emissions and Solid Waste
	Hydro Power	Wildlife Impacts
	Natural Gas Power	Air Emissions and Solid Waste
	Nuclear Power	Radioactive Waste
	Oil Power	Air Emissions and Solid Waste
	Other Sources	Unknown Impacts
	Solar Power	No Significant Impacts
	Unknown Purchased Resources	Unknown Impacts
	Wind Power	Wildlife Impacts

<p><b>Air Emissions –</b> Product-specific projected and actual air emissions for this period compared to the regional average air emissions.</p>	<table border="1"> <caption>Air Emissions Comparison</caption> <thead> <tr> <th> pollutant </th> <th> Actual </th> <th> Projected </th> <th> Regional Average </th> </tr> </thead> <tbody> <tr> <td>Carbon dioxide</td> <td>High</td> <td>High</td> <td>High</td> </tr> <tr> <td>Nitrogen oxides</td> <td>Medium</td> <td>Medium</td> <td>Medium</td> </tr> <tr> <td>Sulfur Dioxide</td> <td>Low</td> <td>Low</td> <td>Low</td> </tr> </tbody> </table>	pollutant	Actual	Projected	Regional Average	Carbon dioxide	High	High	High	Nitrogen oxides	Medium	Medium	Medium	Sulfur Dioxide	Low	Low	Low
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<p><b>Radioactive Waste –</b> Radioactive waste associated with the product.</p>	<table border="1"> <thead> <tr> <th>Type:</th> <th colspan="2">Quantity:</th> </tr> </thead> <tbody> <tr> <td>High-Level Radioactive Waste</td> <td>Unknown</td> <td>Lbs./1,000 kWh</td> </tr> <tr> <td>Low-Level Radioactive Waste</td> <td>Unknown</td> <td>Ft<sup>3</sup>/1,000 kWh</td> </tr> </tbody> </table>	Type:	Quantity:		High-Level Radioactive Waste	Unknown	Lbs./1,000 kWh	Low-Level Radioactive Waste	Unknown	Ft <sup>3</sup> /1,000 kWh
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AEP Ohio purchases Renewable Energy Credits (RECs) to comply with Ohio’s alternative energy portfolio requirements. AEP Ohio asserts in its filing that it is compliant with the State’s renewable energy resource benchmarks under the State’s standard portfolio requirements. With in-depth analysis, the environmental characteristics of any form of electric generation will reveal benefits as well as costs. For further information, contact AEP Ohio at [www.aepohio.com](http://www.aepohio.com) or by phone at 1-800-672-2231.