

Nitrogen-oxide pollution in Kentucky resulting from increased electricity generation from coal-fired power plants.

Facility	Utility	County	Increase in Generation since 1992	Pollution* (tons NOx)	Pollution Equivalent in Cars**
Shawnee	Tennessee Valley Authority	McCracken, KY	27.5 %	7,677	374,495
H L Spurlock	East Kentucky Power Coop Inc	Mason, KY	55.2 %	5,630	274,650
Ghent	Kentucky Utilities Co	Carroll, KY	19.1 %	5,279	257,558
E W Brown	Kentucky Utilities Co	Mercer, KY	62.3 %	3,823	186,498
Cane Run	Louisville Gas & Electric Co	Jefferson, KY	82.6 %	3,783	184,584
Big Sandy	Kentucky Power Co	Lawrence, KY	14.5 %	3,053	148,944
East Bend	Cincinnati Gas & Electric Co	Boone, KY	46.8 %	2,853	139,217
Mill Creek	Louisville Gas & Electric Co	Jefferson, KY	10.2 %	1,805	88,094
D B Wilson	LG&E Energy Corp	Ohio, KY	19.6 %	1,519	74,098
HMP&L Station 2	LG&E Energy Corp	Henderson, KY	31.8 %	1,415	69,044
Green River	Kentucky Utilities Co	Muhlenberg, KY	51.6 %	1,166	56,924
R A Reid	LG&E Energy Corp	Henderson, KY	1,273.0 %	1,091	53,246
Tyrone	Kentucky Utilities Co	Woodford, KY	257.8 %	827	40,355
Trimble County	Louisville Gas & Electric Co	Trimble, KY	11.8 %	776	37,865
Dale	East Kentucky Power Coop Inc	Clark, KY	63.3 %	774	37,794
Elmer Smith	Owensboro City of	Daviess, KY	5.0 %	677	33,067
K C Coleman	LG&E Energy Corp	Hancock, KY	7.2 %	478	23,333
Pineville	Kentucky Utilities Co	Bell, KY	249.5 %	344	16,789
Cooper	East Kentucky Power Coop Inc	Pulaski, KY	4.8 %	172	8,406
R D Green	LG&E Energy Corp	Webster, KY	1.6 %	120	5,868
Henderson I	Henderson City Utility Comm	Henderson, KY	7.6 %	13	679
Paradise	Tennessee Valley Authority	Muhlenberg, KY	-5.0 %	-6,423	-313,319
Total				36,861	1,798,097

* Pollution caused by increased generation is calculated by applying NOx emission rates from 1997 or 1996 to increased generation at plant (see Appendix 1).

** EPA Office of Mobile Sources Assessment and Modeling Division. Based on average in-use passenger fuel economy and emission rates.

Source: Environmental Working Group. Compiled from DOE/EIA form 759 and 860 database (1992-1998), EPA 1997 ETS database, EPA 1996 E-GRID database.

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Carbon dioxide pollution in Kentucky resulting from increased electricity generation from coal-fired power plants.

Facility	Utility	County	Increase in Generation since 1992	Pollution* (tons CO2)	Pollution Equivalent in Cars**
H L Spurlock	East Kentucky Power Coop Inc	Mason, KY	55.2 %	2,756,851	411,556
Ghent	Kentucky Utilities Co	Carroll, KY	19.1 %	2,256,377	336,843
Shawnee	Tennessee Valley Authority	McCracken, KY	27.5 %	2,225,130	332,178
E W Brown	Kentucky Utilities Co	Mercer, KY	62.3 %	1,808,956	270,049
Cane Run	Louisville Gas & Electric Co	Jefferson, KY	82.6 %	1,753,723	261,804
East Bend	Cincinnati Gas & Electric Co	Boone, KY	46.8 %	1,425,131	212,750
Big Sandy	Kentucky Power Co	Lawrence, KY	14.5 %	992,849	148,217
Mill Creek	Louisville Gas & Electric Co	Jefferson, KY	10.2 %	846,061	126,304
D B Wilson	LG&E Energy Corp	Ohio, KY	19.6 %	640,273	95,583
HMP&L Station 2	LG&E Energy Corp	Henderson, KY	31.8 %	614,711	91,767
Green River	Kentucky Utilities Co	Muhlenberg, KY	51.6 %	465,283	69,459
Dale	East Kentucky Power Coop Inc	Clark, KY	63.3 %	395,815	59,089
Trimble County	Louisville Gas & Electric Co	Trimble, KY	11.8 %	380,311	56,774
R A Reid	LG&E Energy Corp	Henderson, KY	1,273.0 %	247,555	36,956
Tyrone	Kentucky Utilities Co	Woodford, KY	257.8 %	242,847	36,253
K C Coleman	LG&E Energy Corp	Hancock, KY	7.2 %	208,662	31,150
Elmer Smith	Owensboro City of	Daviess, KY	5.0 %	159,759	23,849
Pineville	Kentucky Utilities Co	Bell, KY	249.5 %	103,315	15,423
Cooper	East Kentucky Power Coop Inc	Pulaski, KY	4.8 %	87,554	13,070
R D Green	LG&E Energy Corp	Webster, KY	1.6 %	57,973	8,654
Henderson I	Henderson City Utility Comm	Henderson, KY	7.6 %	5,051	754
Paradise	Tennessee Valley Authority	Muhlenberg, KY	-5.0 %	-721,633	-107,728
Total				16,952,562	2,530,762

* Pollution caused by increased generation is calculated by applying CO2 emission rates from 1997 or 1996 to increased generation for plant (see Appendix 1).

** Based on average in-use passenger fuel economy and emission rates (see Appendix 1).

Source: Environmental Working Group. DOE/EIA form 759 and 860 database (1992-1998), EPA 1997 ETS database, EPA 1996 E-GRID database.

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