

Facility-Level Emission Changes: 2009-2020

Emissions at facilities included in this analysis either increased or decreased from 2009 to 2020, using the following criteria:

- Analysis includes only coal units;
- Over 75% change in emission rate;
- Over 0.2 lb/mmBtu change in absolute emission rate; and
- Over 1,000 ton change in emissions of SO₂ or NO_x.

The analysis includes data submitted to EPA as of February 3, 2021. The presentation of this data is not intended to suggest the compliance status of these facilities with currently applicable federal, state, or local environmental requirements.

Facilities with Increasing SO₂

Facility	SO ₂ Emission Increase	SO ₂ Rate Increase
None		

Facilities with Increasing NO_x

Facility	NO _x Emission Increase	NO _x Rate Increase
New Madrid Power Plant, Missouri	15,004 tons (466%)	0.52 lb/mmBtu (568%)
Thomas Hill Energy Center, Missouri	8,825 tons (216%)	0.26 lb/mmBtu (251%)

Facilities with Decreasing SO₂

Facility	SO ₂ Emission Decrease	SO ₂ Rate Decrease
Keystone, Pennsylvania	100,126 tons (88%)	1.93 lb/mmBtu (85%)
Homer City, Pennsylvania	97,654 tons (96%)	1.61 lb/mmBtu (88%)
Monroe, Michigan	82,115 tons (96%)	0.87 lb/mmBtu (94%)
W H Sammis, Ohio	71,912 tons (98%)	1.67 lb/mmBtu (96%)
Scherer, Georgia	68,994 tons (99%)	0.56 lb/mmBtu (97%)
Morgantown, Maryland	68,892 tons (99%)	2.14 lb/mmBtu (95%)
James H Miller Jr, Alabama	61,370 tons (99%)	0.59 lb/mmBtu (98%)
Brunner Island, LLC, Pennsylvania	58,409 tons (99%)	1.42 lb/mmBtu (96%)
E C Gaston, Alabama	53,721 tons (99%)	1.93 lb/mmBtu (98%)
Kyger Creek, Ohio	53,077 tons (94%)	1.59 lb/mmBtu (92%)
Clifty Creek, Indiana	51,939 tons (95%)	1.32 lb/mmBtu (93%)
Sioux, Missouri	45,242 tons (97%)	1.67 lb/mmBtu (95%)
Fort Martin Power Station, West Virginia	44,437 tons (93%)	2.18 lb/mmBtu (94%)
John E Amos, West Virginia	44,328 tons (91%)	0.65 lb/mmBtu (89%)
Leland Olds, North Dakota	42,434 tons (96%)	1.86 lb/mmBtu (95%)
Chalk Point, Maryland	40,683 tons (99%)	1.88 lb/mmBtu (92%)
IPL - Petersburg Generating Station, Indiana	35,781 tons (89%)	0.57 lb/mmBtu (82%)
Brandon Shores, Maryland	32,134 tons (98%)	0.87 lb/mmBtu (89%)
Cheswick, Pennsylvania	31,735 tons (97%)	2.06 lb/mmBtu (87%)
R M Schahfer Generating Station, Indiana	31,677 tons (98%)	0.58 lb/mmBtu (93%)
Crystal River, Florida	31,340 tons (92%)	0.80 lb/mmBtu (85%)
Merrimack, New Hampshire	28,747 tons (100%)	2.14 lb/mmBtu (94%)
Wateree, South Carolina	27,908 tons (100%)	1.72 lb/mmBtu (99%)
J H Campbell, Michigan	27,842 tons (88%)	0.51 lb/mmBtu (82%)
Gulf Clean Energy Center, Florida	27,400 tons (93%)	1.22 lb/mmBtu (82%)
Sam Seymour, Texas	26,639 tons (97%)	0.43 lb/mmBtu (96%)
Barry, Alabama	26,311 tons (95%)	0.77 lb/mmBtu (91%)
Coal Creek, North Dakota	23,338 tons (81%)	0.46 lb/mmBtu (79%)
Milton R Young, North Dakota	23,047 tons (90%)	0.85 lb/mmBtu (89%)
Columbia, Wisconsin	22,566 tons (93%)	0.63 lb/mmBtu (92%)
E W Brown, Kentucky	21,843 tons (99%)	2.59 lb/mmBtu (99%)

Cliffside, North Carolina	21,665 tons (96%)	1.42 lb/mmBtu (98%)
Mill Creek, Kentucky	21,345 tons (88%)	0.39 lb/mmBtu (82%)
La Cygne, Kansas	20,604 tons (97%)	0.42 lb/mmBtu (95%)
Chesterfield Power Station, Virginia	20,506 tons (97%)	0.53 lb/mmBtu (89%)
Daniel Electric Generating Plant, Mississippi	19,716 tons (99%)	0.65 lb/mmBtu (98%)
Gallatin, Tennessee	18,621 tons (95%)	0.53 lb/mmBtu (87%)
Sooner, Oklahoma	17,989 tons (98%)	0.53 lb/mmBtu (95%)
Kincaid Generating Station, Illinois	16,309 tons (96%)	0.36 lb/mmBtu (80%)
Williams, South Carolina	16,199 tons (96%)	0.95 lb/mmBtu (95%)
John S. Cooper, Kentucky	15,112 tons (100%)	2.03 lb/mmBtu (97%)
R Gallagher, Indiana	14,373 tons (98%)	2.36 lb/mmBtu (76%)
Naughton, Wyoming	13,632 tons (87%)	0.97 lb/mmBtu (87%)
Baldwin Energy Complex, Illinois	13,490 tons (90%)	0.32 lb/mmBtu (82%)
Ottumwa, Iowa	12,471 tons (93%)	0.50 lb/mmBtu (89%)
Coronado Generating Station, Arizona	11,186 tons (99%)	0.36 lb/mmBtu (99%)
Big Stone, South Dakota	10,987 tons (94%)	0.64 lb/mmBtu (90%)
Waukegan, Illinois	10,976 tons (96%)	0.40 lb/mmBtu (79%)
South Oak Creek, Wisconsin	10,758 tons (99%)	0.44 lb/mmBtu (99%)
Dan E Karn, Michigan	10,742 tons (95%)	0.76 lb/mmBtu (93%)
Kingston, Tennessee	10,387 tons (92%)	0.99 lb/mmBtu (91%)
J P Madgett, Wisconsin	9,323 tons (93%)	0.64 lb/mmBtu (89%)
G G Allen, North Carolina	8,741 tons (99%)	0.43 lb/mmBtu (93%)
Michigan City Generating Station, Indiana	8,735 tons (93%)	0.78 lb/mmBtu (90%)
Boswell Energy Center, Minnesota	8,729 tons (95%)	0.27 lb/mmBtu (93%)
Edgewater (4050), Wisconsin	7,488 tons (96%)	0.64 lb/mmBtu (93%)
Pawnee, Colorado	6,908 tons (81%)	0.67 lb/mmBtu (88%)
Martin Drake, Colorado	6,795 tons (99%)	0.73 lb/mmBtu (97%)
Weston, Wisconsin	6,295 tons (91%)	0.24 lb/mmBtu (89%)
Flint Creek Power Plant, Arkansas	6,275 tons (92%)	0.42 lb/mmBtu (89%)
Genoa, Wisconsin	6,210 tons (96%)	0.68 lb/mmBtu (94%)
Deerhaven, Florida	5,420 tons (94%)	0.65 lb/mmBtu (82%)
Lansing, Iowa	4,748 tons (98%)	0.61 lb/mmBtu (92%)
Ray D Nixon, Colorado	3,423 tons (87%)	0.36 lb/mmBtu (81%)
Platte, Nebraska	2,310 tons (86%)	0.58 lb/mmBtu (79%)
Apache Station, Arizona	1,960 tons (96%)	0.35 lb/mmBtu (95%)
Birchwood Power Facility, Virginia	1,168 tons (96%)	0.38 lb/mmBtu (82%)

Facilities with Decreasing NO_x

Facility	NO _x Emission Decrease	NO _x Rate Decrease
Four Corners Steam Elec Station, New Mexico	24,336 tons (92%)	0.44 lb/mmBtu (89%)
Big Stone, South Dakota	11,030 tons (93%)	0.63 lb/mmBtu (89%)
Crystal River, Florida	9,883 tons (91%)	0.25 lb/mmBtu (83%)
Hayden, Colorado	6,080 tons (91%)	0.31 lb/mmBtu (86%)
Lansing, Iowa	2,969 tons (97%)	0.37 lb/mmBtu (90%)
E W Brown, Kentucky	2,437 tons (90%)	0.28 lb/mmBtu (87%)