## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Barry | AL | Mobile | 1 | 6,342 | 6,548 | 205 | 3% | 0.81 |
| Barry | AL | Mobile | 2 | 9,785 | 5,010 | -4,775 | -49% | 0.79 |
| Charles R Lowman | AL | Washington | 1 | 1,982 | 1,059 | -923 | -47% | 0.40 |
| Charles R Lowman | AL | Washington | 2 | 2,117 | 400 | -1,716 | -81% | 0.47 |
| Colbert | AL | Colbert | 1 | 8,304 | 7,852 | -452 | -5% | 0.83 |
| Colbert | AL | Colbert | 2 | 8,931 | 6,076 | -2,855 | -32% | 0.81 |
| E C Gaston | AL | Shelby | 1 | 43,711 | 18,481 | -25,230 | -58% | 2.39 |
| E C Gaston | AL | Shelby | 2 | 33,283 | 19,746 | -13,537 | -41% | 2.20 |
| Gadsden | AL | Etowah | 1 | 3,615 | 1,001 | -2,613 | -72% | 2.89 |
| Gadsden | AL | Etowah | 2 | 3,772 | 1,036 | -2,737 | -73% | 2.77 |
| Gorgas | AL | Walker | 1 | 7,422 | 2,187 | -5,235 | -71% | 0.61 |
| Gorgas | AL | Walker | 2 | 6,645 | 959 | -5,686 | -86% | 0.57 |
| Greene County | AL | Greene | 1 | 6,376 | 10,813 | 4,437 | 70% | 1.16 |
| Greene County | AL | Greene | 2 | 4,827 | 8,148 | 3,321 | 69% | 0.90 |
| James H Miller Jr | AL | Jefferson | 1 | 11,129 | 10,443 | -686 | -6% | 0.54 |
| James H Miller Jr | AL | Jefferson | 2 | 15,707 | 8,071 | -7,636 | -49% | 0.56 |
| Widows Creek | AL | Jackson | 1 | 7,976 | 3,162 | -4,814 | -60% | 0.58 |
| Widows Creek | AL | Jackson | 2 | 7,228 | 2,736 | -4,492 | -62% | 0.62 |
| Flint Creek Power Plant | AR | Benton | 1 | 2,028 | 1,711 | -317 | -16% | 0.44 |
| Flint Creek Power Plant | AR | Benton | 2 | 1,697 | 2,092 | 395 | 23% | 0.46 |
| Independence | AR | Independence | 1 | 6,006 | 6,680 | 674 | 11% | 0.42 |
| Independence | AR | Independence | 2 | 7,284 | 8,377 | 1,093 | 15% | 0.47 |
| White Bluff | AR | Jefferson | 1 | 8,709 | 6,879 | -1,830 | -21% | 0.59 |
| White Bluff | AR | Jefferson | 2 | 6,914 | 7,396 | 482 | 7% | 0.67 |
| Apache Station | AZ | Cochise | 1 | 575 | 1,187 | 612 | 106% | 0.15 |
| Apache Station | AZ | Cochise | 2 | 721 | 1,127 | 406 | 56% | 0.19 |
| Cholla | AZ | Navajo | 1 | 5,537 | 1,775 | -3,763 | -68% | 0.57 |
| Cholla | AZ | Navajo | 2 | 3,170 | 1,725 | -1,445 | -46% | 0.38 |
| Coronado Generating Station | AZ | Apache | 1 | 4,641 | 2,896 | -1,745 | -38% | 0.53 |
| Coronado Generating Station | AZ | Apache | 2 | 4,228 | 2,544 | -1,684 | -40% | 0.50 |
| Irvington Generating Station | AZ | Pima | 1 | 775 | 684 | -91 | -12% | 0.66 |
| Irvington Generating Station | AZ | Pima | 2 | 602 | 637 | 35 | 6% | 0.64 |
| Navajo Generating Station | AZ | Coconino | 1 | 827 | 970 | 143 | 17% | 0.04 |
| Navajo Generating Station | AZ | Coconino | 2 | 1,143 | 1,243 | 100 | 9% | 0.04 |
| Springerville Generating Station | AZ | Apache | 1 | 1,510 | 1,943 | 433 | 29% | 0.14 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Barry | 0.59 | -0.22 | -28% | 2,888 | 2,662 | -225 |
| Barry | 0.45 | -0.34 | -43% | 2,318 | 2,070 | -249 |
| Charles R Lowman | 0.22 | -0.19 | -46% | 2,345 | 910 | -1,435 |
| Charles R Lowman | 0.19 | -0.28 | -60% | 2,225 | 409 | -1,815 |
| Colbert | 0.79 | -0.04 | -5% | 3,711 | 2,866 | -845 |
| Colbert | 0.70 | -0.11 | -14% | 3,828 | 2,728 | -1,100 |
| E C Gaston | 2.06 | -0.33 | -14% | 7,820 | 2,106 | -5,714 |
| E C Gaston | 1.48 | -0.72 | -33% | 4,556 | 3,020 | -1,536 |
| Gadsden | 2.36 | -0.53 | -18% | 776 | 195 | -581 |
| Gadsden | 2.75 | -0.02 | -1% | 831 | 200 | -631 |
| Gorgas | 0.22 | -0.40 | -65% | 6,312 | 2,316 | -3,997 |
| Gorgas | 0.11 | -0.45 | -80% | 4,303 | 1,716 | -2,587 |
| Greene County | 2.56 | 1.40 | 121% | 1,648 | 1,532 | -115 |
| Greene County | 2.37 | 1.47 | 164% | 1,398 | 1,248 | -150 |
| James H Miller Jr | 0.45 | -0.09 | -17% | 6,400 | 2,064 | -4,335 |
| James H Miller Jr | 0.28 | -0.28 | -49% | 3,962 | 2,026 | -1,936 |
| Widows Creek | 0.40 | -0.18 | -32% | 5,707 | 944 | -4,763 |
| Widows Creek | 0.34 | -0.28 | -46% | 3,589 | 553 | -3,036 |
| Flint Creek Power Plant | 0.48 | 0.04 | 9% | 1,290 | 956 | -333 |
| Flint Creek Power Plant | 0.47 | 0.01 | 2% | 1,036 | 1,205 | 169 |
| Independence | 0.47 | 0.05 | 13% | 3,635 | 3,588 | -47 |
| Independence | 0.52 | 0.04 | 9% | 3,929 | 4,073 | 144 |
| White Bluff | 0.51 | -0.09 | -14% | 3,964 | 3,859 | -105 |
| White Bluff | 0.48 | -0.19 | -29% | 3,034 | 4,489 | 1,455 |
| Apache Station | 0.46 | 0.31 | 204% | 1,787 | 1,129 | -658 |
| Apache Station | 0.39 | 0.20 | 102% | 1,517 | 1,239 | -278 |
| Cholla | 0.17 | -0.40 | -71% | 3,158 | 2,337 | -822 |
| Cholla | 0.16 | -0.21 | -57% | 2,304 | 2,254 | -50 |
| Coronado Generating Station | 0.33 | -0.19 | -36% | 3,552 | 3,132 | -420 |
| Coronado Generating Station | 0.30 | -0.20 | -40% | 3,708 | 3,041 | -667 |
| Irvington Generating Station | 0.73 | 0.07 | 11% | 508 | 411 | -98 |
| Irvington Generating Station | 0.72 | 0.08 | 12% | 397 | 383 | -14 |
| Navajo Generating Station | 0.05 | 0.02 | 46% | 7,923 | 5,357 | -2,566 |
| Navajo Generating Station | 0.06 | 0.02 | 39% | 9,351 | 5,858 | -3,493 |
| Springerville Generating Station | 0.15 | 0.01 | 5% | 1,595 | 1,671 | 76 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Barry | -8% | 0.37 | 0.24 | -0.13 | -35% | 15,638,066 |
| Barry | -11% | 0.19 | 0.18 | 0.00 | -1% | 24,812,461 |
| Charles R Lowman | -61% | 0.48 | 0.19 | -0.29 | -61% | 9,825,768 |
| Charles R Lowman | -82% | 0.49 | 0.19 | -0.30 | -61% | 9,066,828 |
| Colbert | -23% | 0.37 | 0.29 | -0.08 | -22% | 20,066,526 |
| Colbert | -29% | 0.35 | 0.31 | -0.03 | -10% | 21,947,011 |
| E C Gaston | -73% | 0.43 | 0.23 | -0.19 | -45% | 36,638,846 |
| E C Gaston | -34% | 0.30 | 0.23 | -0.07 | -25% | 30,267,013 |
| Gadsden | -75% | 0.62 | 0.46 | -0.16 | -26% | 2,499,740 |
| Gadsden | -76% | 0.61 | 0.53 | -0.08 | -13% | 2,723,702 |
| Gorgas | -63% | 0.52 | 0.23 | -0.29 | -56% | 24,198,643 |
| Gorgas | -60% | 0.37 | 0.20 | -0.16 | -45% | 23,403,996 |
| Greene County | -7% | 0.30 | 0.36 | 0.06 | 21% | 11,013,588 |
| Greene County | -11% | 0.26 | 0.36 | 0.10 | 40% | 10,747,499 |
| James H Miller Jr | -68% | 0.31 | 0.09 | -0.22 | -72% | 41,219,497 |
| James H Miller Jr | -49% | 0.14 | 0.07 | -0.07 | -50% | 55,740,993 |
| Widows Creek | -83% | 0.42 | 0.12 | -0.30 | -71% | 27,329,792 |
| Widows Creek | -85% | 0.31 | 0.07 | -0.24 | -78% | 23,315,499 |
| Flint Creek Power Plant | -26% | 0.28 | 0.27 | -0.01 | -4% | 9,229,348 |
| Flint Creek Power Plant | 16% | 0.28 | 0.27 | -0.01 | -3% | 7,428,733 |
| Independence | -1% | 0.25 | 0.25 | 0.00 | 0% | 28,598,922 |
| Independence | 4% | 0.26 | 0.25 | 0.00 | -2% | 30,793,969 |
| White Bluff | -3% | 0.27 | 0.28 | 0.01 | 6% | 29,432,177 |
| White Bluff | 48% | 0.29 | 0.29 | 0.00 | -1% | 20,614,267 |
| Apache Station | -37% | 0.47 | 0.43 | -0.03 | -7% | 7,652,404 |
| Apache Station | -18% | 0.40 | 0.43 | 0.02 | 6% | 7,511,339 |
| Cholla | -26% | 0.32 | 0.22 | -0.11 | -33% | 19,552,825 |
| Cholla | -2% | 0.27 | 0.21 | -0.06 | -23% | 16,863,175 |
| Coronado Generating Station | -12% | 0.40 | 0.36 | -0.04 | -10% | 17,653,004 |
| Coronado Generating Station | -18% | 0.44 | 0.36 | -0.08 | -18% | 16,841,607 |
| Irvington Generating Station | -19% | 0.43 | 0.44 | 0.01 | 1% | 2,348,615 |
| Irvington Generating Station | -4% | 0.42 | 0.43 | 0.01 | 2% | 1,871,621 |
| Navajo Generating Station | -32% | 0.34 | 0.28 | -0.05 | -16% | 46,999,107 |
| Navajo Generating Station | -37% | 0.35 | 0.28 | -0.07 | -20% | 52,693,550 |
| Springerville Generating Station | 5% | 0.15 | 0.13 | -0.02 | -15% | 21,675,123 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Barry | 22,286,626 | 6,648,560 | 43% |
| Barry | 22,447,265 | -2,365,197 | -10% |
| Charles R Lowman | 9,710,716 | -115,052 | -1% |
| Charles R Lowman | 4,272,704 | -4,794,124 | -53% |
| Colbert | 19,943,214 | -123,312 | -1% |
| Colbert | 17,349,961 | -4,597,051 | -21% |
| E C Gaston | 17,938,190 | -18,700,656 | -51% |
| E C Gaston | 26,698,242 | -3,568,771 | -12% |
| Gadsden | 847,342 | -1,652,398 | -66% |
| Gadsden | 753,681 | -1,970,021 | -72% |
| Gorgas | 20,141,028 | -4,057,615 | -17% |
| Gorgas | 16,891,705 | -6,512,291 | -28% |
| Greene County | 8,449,124 | -2,564,464 | -23% |
| Greene County | 6,870,004 | -3,877,495 | -36% |
| James H Miller Jr | 46,863,676 | 5,644,178 | 14% |
| James H Miller Jr | 56,647,812 | 906,820 | 2% |
| Widows Creek | 15,820,169 | -11,509,624 | -42% |
| Widows Creek | 16,306,579 | -7,008,919 | -30% |
| Flint Creek Power Plant | 7,148,472 | -2,080,877 | -23% |
| Flint Creek Power Plant | 8,954,218 | 1,525,485 | 21% |
| Independence | 28,187,185 | -411,737 | -1% |
| Independence | 32,516,820 | 1,722,850 | 6% |
| White Bluff | 27,150,910 | -2,281,267 | -8% |
| White Bluff | 30,842,785 | 10,228,518 | 50% |
| Apache Station | 5,193,606 | -2,458,798 | -32% |
| Apache Station | 5,804,943 | -1,706,396 | -23% |
| Cholla | 21,497,711 | 1,944,886 | 10% |
| Cholla | 21,391,766 | 4,528,591 | 27% |
| Coronado Generating Station | 17,292,851 | -360,152 | -2% |
| Coronado Generating Station | 16,769,243 | -72,364 | 0% |
| Irvington Generating Station | 1,875,217 | -473,398 | -20% |
| Irvington Generating Station | 1,765,244 | -106,377 | -6% |
| Navajo Generating Station | 37,869,751 | -9,129,356 | -19% |
| Navajo Generating Station | 41,124,091 | -11,569,460 | -22% |
| Springerville Generating Station | 26,557,780 | 4,882,657 | 23% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Springerville Generating Station | AZ | Apache | 2 | 1,558 | 1,518 | -41 | -3% | 0.14 |
| Arapahoe | CO | Denver | 1 | 684 | 236 | -449 | -66% | 0.42 |
| Arapahoe | CO | Denver | 2 | 471 | 458 | -13 | -3% | 0.38 |
| Cameo | CO | Mesa | 1 | 414 | 358 | -55 | -13% | 1.01 |
| Cameo | CO | Mesa | 2 | 421 | 402 | -19 | -5% | 1.02 |
| Cherokee | CO | Adams | 1 | 1,703 | 1,430 | -273 | -16% | 0.23 |
| Cherokee | CO | Adams | 2 | 1,848 | 1,777 | -71 | -4% | 0.30 |
| Comanche (470) | CO | Pueblo | 1 | 3,418 | 474 | -2,943 | -86% | 0.51 |
| Comanche (470) | CO | Pueblo | 2 | 3,317 | 631 | -2,686 | -81% | 0.52 |
| Craig | CO | Moffat | 1 | 920 | 890 | -30 | -3% | 0.06 |
| Craig | CO | Moffat | 2 | 855 | 814 | -41 | -5% | 0.07 |
| Hayden | CO | Routt | 1 | 696 | 666 | -30 | -4% | 0.13 |
| Hayden | CO | Routt | 2 | 521 | 653 | 132 | 25% | 0.13 |
| Lamar | CO | Prowers | 1 | | 20 | | | |
| Lamar | CO | Prowers | 2 | | 64 | | | |
| Martin Drake | CO | El Paso | 1 | 1,925 | 1,433 | -492 | -26% | 0.80 |
| Martin Drake | CO | El Paso | 2 | 1,968 | 1,494 | -474 | -24% | 0.78 |
| Nucla | CO | Montrose | 1 | 350 | 305 | -45 | -13% | 0.31 |
| Nucla | CO | Montrose | 2 | 286 | 329 | 43 | 15% | 0.27 |
| Pawnee | CO | Morgan | 1 | 2,892 | 3,630 | 738 | 26% | 0.72 |
| Pawnee | CO | Morgan | 2 | 3,287 | 2,977 | -310 | -9% | 0.74 |
| Rawhide Energy Station | CO | Larimer | 1 | 239 | 222 | -17 | -7% | 0.08 |
| Rawhide Energy Station | CO | Larimer | 2 | 238 | 179 | -59 | -25% | 0.09 |
| Ray D Nixon | CO | El Paso | 1 | 1,230 | 1,005 | -225 | -18% | 0.49 |
| Ray D Nixon | CO | El Paso | 2 | 974 | 964 | -10 | -1% | 0.45 |
| Valmont | CO | Boulder | 1 | 218 | 227 | 10 | 4% | 0.10 |
| Valmont | CO | Boulder | 2 | 184 | 195 | 11 | 6% | 0.10 |
| Bridgeport Harbor Station | CT | Fairfield | 1 | 754 | 375 | -379 | -50% | 0.19 |
| Bridgeport Harbor Station | CT | Fairfield | 2 | 674 | 227 | -446 | -66% | 0.21 |
| Edge Moor | DE | New Castle | 1 | 2,273 | 299 | -1,974 | -87% | 1.00 |
| Edge Moor | DE | New Castle | 2 | 1,403 | | | | 1.00 |
| Indian River | DE | Sussex | 1 | 7,600 | 4,447 | -3,154 | -41% | 1.20 |
| Indian River | DE | Sussex | 2 | 4,986 | 2,787 | -2,200 | -44% | 1.18 |
| Big Bend | FL | Hillsborough | 1 | 1,651 | 2,285 | 633 | 38% | 0.18 |
| Big Bend | FL | Hillsborough | 2 | 2,051 | 1,758 | -293 | -14% | 0.17 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Springerville Generating Station | 0.12 | -0.02 | -15% | 1,657 | 1,441 | -216 |
| Arapahoe | 0.40 | -0.02 | -5% | 643 | 371 | -273 |
| Arapahoe | 0.44 | 0.06 | 16% | 613 | 438 | -175 |
| Cameo | 0.92 | -0.09 | -9% | 139 | 127 | -12 |
| Cameo | 1.00 | -0.02 | -2% | 146 | 126 | -20 |
| Cherokee | 0.26 | 0.04 | 16% | 2,801 | 2,330 | -471 |
| Cherokee | 0.41 | 0.11 | 36% | 2,574 | 1,952 | -622 |
| Comanche (470) | 0.07 | -0.44 | -87% | 1,579 | 1,045 | -534 |
| Comanche (470) | 0.08 | -0.45 | -85% | 1,471 | 967 | -504 |
| Craig | 0.07 | 0.01 | 10% | 4,428 | 3,668 | -760 |
| Craig | 0.07 | 0.00 | -4% | 3,767 | 3,590 | -177 |
| Hayden | 0.13 | 0.00 | 1% | 1,879 | 1,825 | -54 |
| Hayden | 0.13 | 0.00 | -1% | 1,439 | 1,868 | 430 |
| Lamar | 0.14 | | | | 40 | |
| Lamar | 0.18 | | | | 85 | |
| Martin Drake | 0.65 | -0.15 | -19% | 987 | 862 | -124 |
| Martin Drake | 0.59 | -0.18 | -23% | 1,111 | 891 | -220 |
| Nucla | 0.29 | -0.01 | -4% | 469 | 393 | -77 |
| Nucla | 0.31 | 0.04 | 14% | 434 | 413 | -21 |
| Pawnee | 0.74 | 0.02 | 3% | 1,000 | 1,168 | 168 |
| Pawnee | 0.75 | 0.01 | 1% | 1,137 | 862 | -275 |
| Rawhide Energy Station | 0.08 | 0.00 | -1% | 497 | 460 | -37 |
| Rawhide Energy Station | 0.08 | -0.01 | -7% | 487 | 377 | -111 |
| Ray D Nixon | 0.43 | -0.06 | -12% | 667 | 515 | -152 |
| Ray D Nixon | 0.47 | 0.02 | 4% | 534 | 451 | -83 |
| Valmont | 0.13 | 0.03 | 30% | 724 | 581 | -143 |
| Valmont | 0.19 | 0.09 | 89% | 605 | 392 | -213 |
| Bridgeport Harbor Station | 0.19 | 0.01 | 4% | 536 | 267 | -269 |
| Bridgeport Harbor Station | 0.19 | -0.02 | -10% | 466 | 173 | -293 |
| Edge Moor | 0.33 | -0.67 | -67% | 630 | 110 | -520 |
| Edge Moor | | | | 396 | | |
| Indian River | 1.26 | 0.07 | 6% | 2,370 | 1,041 | -1,329 |
| Indian River | 1.21 | 0.03 | 3% | 1,309 | 702 | -607 |
| Big Bend | 0.21 | 0.03 | 19% | 4,231 | 1,078 | -3,153 |
| Big Bend | 0.14 | -0.03 | -18% | 4,334 | 1,043 | -3,290 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Springerville Generating Station | -13% | 0.15 | 0.12 | -0.04 | -24% | 21,607,301 |
| Arapahoe | -42% | 0.40 | 0.63 | 0.24 | 60% | 3,242,906 |
| Arapahoe | -29% | 0.49 | 0.42 | -0.07 | -15% | 2,481,427 |
| Cameo | -9% | 0.34 | 0.33 | -0.01 | -4% | 818,873 |
| Cameo | -14% | 0.36 | 0.32 | -0.04 | -12% | 821,727 |
| Cherokee | -17% | 0.37 | 0.43 | 0.06 | 15% | 15,026,056 |
| Cherokee | -24% | 0.42 | 0.45 | 0.03 | 7% | 12,300,960 |
| Comanche (470) | -34% | 0.24 | 0.15 | -0.09 | -36% | 13,355,197 |
| Comanche (470) | -34% | 0.23 | 0.12 | -0.12 | -50% | 12,640,061 |
| Craig | -17% | 0.31 | 0.29 | -0.02 | -6% | 28,461,005 |
| Craig | -5% | 0.31 | 0.29 | -0.01 | -4% | 24,702,316 |
| Hayden | -3% | 0.36 | 0.37 | 0.01 | 3% | 10,534,895 |
| Hayden | 30% | 0.36 | 0.37 | 0.01 | 3% | 7,919,670 |
| Lamar | | | 0.28 | | | |
| Lamar | | | 0.24 | | | |
| Martin Drake | -13% | 0.41 | 0.39 | -0.02 | -5% | 4,829,943 |
| Martin Drake | -20% | 0.44 | 0.35 | -0.08 | -19% | 5,078,496 |
| Nucla | -16% | 0.41 | 0.38 | -0.03 | -8% | 2,291,594 |
| Nucla | -5% | 0.41 | 0.39 | -0.02 | -6% | 2,090,168 |
| Pawnee | 17% | 0.25 | 0.24 | -0.01 | -4% | 8,033,189 |
| Pawnee | -24% | 0.26 | 0.22 | -0.04 | -15% | 8,826,574 |
| Rawhide Energy Station | -7% | 0.17 | 0.17 | 0.00 | -1% | 5,885,774 |
| Rawhide Energy Station | -23% | 0.18 | 0.17 | -0.01 | -4% | 5,520,813 |
| Ray D Nixon | -23% | 0.27 | 0.22 | -0.04 | -17% | 5,013,964 |
| Ray D Nixon | -16% | 0.25 | 0.22 | -0.03 | -11% | 4,296,004 |
| Valmont | -20% | 0.34 | 0.34 | 0.00 | 0% | 4,225,317 |
| Valmont | -35% | 0.33 | 0.39 | 0.05 | 16% | 3,629,698 |
| Bridgeport Harbor Station | -50% | 0.13 | 0.14 | 0.01 | 5% | 8,068,308 |
| Bridgeport Harbor Station | -63% | 0.15 | 0.14 | 0.00 | -1% | 6,360,160 |
| Edge Moor | -83% | 0.28 | 0.12 | -0.15 | -56% | 4,537,350 |
| Edge Moor | | 0.28 | | | | 2,815,538 |
| Indian River | -56% | 0.37 | 0.30 | -0.08 | -21% | 12,711,694 |
| Indian River | -46% | 0.31 | 0.31 | 0.00 | -1% | 8,457,658 |
| Big Bend | -75% | 0.45 | 0.10 | -0.35 | -78% | 18,808,048 |
| Big Bend | -76% | 0.37 | 0.09 | -0.28 | -77% | 23,472,703 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Springerville Generating Station | 24,779,429 | 3,172,128 | 15% |
| Arapahoe | 1,170,815 | -2,072,091 | -64% |
| Arapahoe | 2,084,555 | -396,872 | -16% |
| Cameo | 776,090 | -42,783 | -5% |
| Cameo | 800,619 | -21,109 | -3% |
| Cherokee | 10,883,280 | -4,142,775 | -28% |
| Cherokee | 8,691,442 | -3,609,518 | -29% |
| Comanche (470) | 13,877,325 | 522,128 | 4% |
| Comanche (470) | 16,509,779 | 3,869,717 | 31% |
| Craig | 25,074,108 | -3,386,897 | -12% |
| Craig | 24,564,306 | -138,010 | -1% |
| Hayden | 9,938,923 | -595,972 | -6% |
| Hayden | 10,008,116 | 2,088,446 | 26% |
| Lamar | 281,163 | | |
| Lamar | 699,840 | | |
| Martin Drake | 4,441,026 | -388,918 | -8% |
| Martin Drake | 5,029,660 | -48,836 | -1% |
| Nucla | 2,074,566 | -217,027 | -9% |
| Nucla | 2,108,894 | 18,726 | 1% |
| Pawnee | 9,755,044 | 1,721,856 | 21% |
| Pawnee | 7,912,076 | -914,498 | -10% |
| Rawhide Energy Station | 5,493,891 | -391,883 | -7% |
| Rawhide Energy Station | 4,460,323 | -1,060,491 | -19% |
| Ray D Nixon | 4,646,358 | -367,606 | -7% |
| Ray D Nixon | 4,078,547 | -217,457 | -5% |
| Valmont | 3,394,070 | -831,247 | -20% |
| Valmont | 2,032,663 | -1,597,035 | -44% |
| Bridgeport Harbor Station | 3,844,613 | -4,223,696 | -52% |
| Bridgeport Harbor Station | 2,396,895 | -3,963,266 | -62% |
| Edge Moor | 1,786,878 | -2,750,472 | -61% |
| Edge Moor | | | |
| Indian River | 7,042,737 | -5,668,957 | -45% |
| Indian River | 4,590,803 | -3,866,854 | -46% |
| Big Bend | 21,865,165 | 3,057,117 | 16% |
| Big Bend | 24,491,653 | 1,018,951 | 4% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| C D McIntosh Jr Power Plant | FL | Polk | 1 | 1,337 | 1,175 | -162 | -12% | 0.40 |
| C D McIntosh Jr Power Plant | FL | Polk | 2 | 1,796 | 687 | -1,110 | -62% | 0.47 |
| Crist Electric Generating Plant | FL | Escambia | 1 | 8,787 | 3,745 | -5,043 | -57% | 1.19 |
| Crist Electric Generating Plant | FL | Escambia | 2 | 9,372 | 229 | -9,143 | -98% | 1.22 |
| Crystal River | FL | Citrus | 1 | 24,423 | 13,508 | -10,916 | -45% | 1.17 |
| Crystal River | FL | Citrus | 2 | 22,971 | 9,366 | -13,605 | -59% | 1.17 |
| Curtis H. Stanton Energy Center | FL | Orange | 1 | 1,606 | 1,150 | -456 | -28% | 0.22 |
| Curtis H. Stanton Energy Center | FL | Orange | 2 | 1,728 | | | | 0.25 |
| Deerhaven | FL | Alachua | 1 | 1,866 | 689 | -1,177 | -63% | 1.04 |
| Deerhaven | FL | Alachua | 2 | 1,675 | 562 | -1,114 | -66% | 1.03 |
| Lansing Smith Generating Plant | FL | Bay | 1 | 4,267 | 3,485 | -782 | -18% | 1.17 |
| Lansing Smith Generating Plant | FL | Bay | 2 | 3,719 | 2,674 | -1,045 | -28% | 1.29 |
| Northside | FL | Duval | 1 | 708 | 931 | 223 | 32% | 0.14 |
| Northside | FL | Duval | 2 | 599 | 893 | 294 | 49% | 0.14 |
| Polk | FL | Polk | 1 | 314 | 256 | -58 | -19% | 0.18 |
| Polk | FL | Polk | 2 | 118 | 320 | 202 | 172% | 0.16 |
| Scholz Electric Generating Plant | FL | Jackson | 1 | 1,108 | 313 | -795 | -72% | 1.54 |
| Scholz Electric Generating Plant | FL | Jackson | 2 | 924 | 108 | -816 | -88% | 1.43 |
| Seminole (136) | FL | Putnam | 1 | 6,355 | 3,578 | -2,776 | -44% | 0.51 |
| Seminole (136) | FL | Putnam | 2 | 3,911 | 4,183 | 272 | 7% | 0.35 |
| St. Johns River Power | FL | Duval | 1 | 1,747 | 2,239 | 491 | 28% | 0.19 |
| St. Johns River Power | FL | Duval | 2 | 1,800 | 2,221 | 421 | 23% | 0.16 |
| Bowen | GA | Bartow | 1 | 49,428 | 3,566 | -45,862 | -93% | 1.71 |
| Bowen | GA | Bartow | 2 | 42,169 | 1,370 | -40,799 | -97% | 1.57 |
| Hammond | GA | Floyd | 1 | 11,031 | 1,218 | -9,813 | -89% | 1.91 |
| Hammond | GA | Floyd | 2 | 368 | | | | 0.05 |
| Harllee Branch | GA | Putnam | 1 | 26,209 | 12,606 | -13,602 | -52% | 2.16 |
| Harllee Branch | GA | Putnam | 2 | 23,373 | 11,221 | -12,152 | -52% | 1.97 |
| Jack McDonough | GA | Cobb | 1 | 3,683 | 4,708 | 1,025 | 28% | 1.68 |
| Jack McDonough | GA | Cobb | 2 | 5,986 | 4,003 | -1,984 | -33% | 1.66 |
| Kraft | GA | Chatham | 1 | 1,607 | 1,561 | -46 | -3% | 0.84 |
| Kraft | GA | Chatham | 2 | 1,417 | 1,845 | 428 | 30% | 0.85 |
| McIntosh (6124) | GA | Effingham | 1 | 912 | 1,386 | 473 | 52% | 0.75 |
| McIntosh (6124) | GA | Effingham | 2 | 1,591 | 302 | -1,289 | -81% | 1.36 |
| Mitchell (GA) | GA | Dougherty | 1 | 1,556 | 255 | -1,301 | -84% | 1.58 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| C D McIntosh Jr Power Plant | 0.54 | 0.14 | 34% | 1,010 | 368 | -642 |
| C D McIntosh Jr Power Plant | 0.38 | -0.09 | -19% | 1,179 | 183 | -996 |
| Crist Electric Generating Plant | 0.48 | -0.70 | -59% | 1,037 | 3,778 | 2,741 |
| Crist Electric Generating Plant | 0.03 | -1.19 | -98% | 1,225 | 1,313 | 88 |
| Crystal River | 0.80 | -0.37 | -31% | 9,640 | 3,850 | -5,790 |
| Crystal River | 0.67 | -0.50 | -43% | 8,939 | 2,689 | -6,250 |
| Curtis H. Stanton Energy Center | 0.16 | -0.06 | -27% | 2,174 | 1,564 | -610 |
| Curtis H. Stanton Energy Center | | | | 2,247 | | |
| Deerhaven | 0.42 | -0.62 | -59% | 831 | 128 | -703 |
| Deerhaven | 0.36 | -0.66 | -65% | 758 | 102 | -656 |
| Lansing Smith Generating Plant | 1.32 | 0.14 | 12% | 1,570 | 875 | -695 |
| Lansing Smith Generating Plant | 1.16 | -0.13 | -10% | 1,205 | 667 | -538 |
| Northside | 0.17 | 0.02 | 14% | 352 | 486 | 134 |
| Northside | 0.16 | 0.01 | 10% | 347 | 425 | 78 |
| Polk | 0.19 | 0.01 | 4% | 106 | 87 | -20 |
| Polk | 0.19 | 0.04 | 24% | 51 | 102 | 51 |
| Scholz Electric Generating Plant | 1.37 | -0.17 | -11% | 455 | 139 | -316 |
| Scholz Electric Generating Plant | 1.53 | 0.09 | 6% | 436 | 41 | -396 |
| Seminole (136) | 0.34 | -0.17 | -34% | 4,811 | 516 | -4,296 |
| Seminole (136) | 0.37 | 0.03 | 7% | 4,517 | 514 | -4,003 |
| St. Johns River Power | 0.22 | 0.03 | 17% | 3,882 | 1,415 | -2,467 |
| St. Johns River Power | 0.17 | 0.02 | 12% | 5,036 | 1,339 | -3,697 |
| Bowen | 0.14 | -1.57 | -92% | 12,029 | 1,896 | -10,132 |
| Bowen | 0.04 | -1.52 | -97% | 3,188 | 1,793 | -1,394 |
| Hammond | 0.29 | -1.62 | -85% | 2,404 | 1,184 | -1,220 |
| Hammond | | | | 1,484 | | |
| Harllee Branch | 1.62 | -0.54 | -25% | 5,151 | 3,056 | -2,095 |
| Harllee Branch | 1.86 | -0.11 | -5% | 4,953 | 2,355 | -2,598 |
| Jack McDonough | 1.52 | -0.16 | -10% | 610 | 902 | 292 |
| Jack McDonough | 1.60 | -0.06 | -3% | 861 | 648 | -212 |
| Kraft | 1.34 | 0.50 | 59% | 1,035 | 789 | -246 |
| Kraft | 1.50 | 0.65 | 76% | 798 | 872 | 74 |
| McIntosh (6124) | 2.04 | 1.29 | 171% | 577 | 497 | -80 |
| McIntosh (6124) | 1.59 | 0.23 | 17% | 602 | 100 | -502 |
| Mitchell (GA) | 1.42 | -0.16 | -10% | 662 | 115 | -547 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| C D McIntosh Jr Power Plant | -64% | 0.30 | 0.17 | -0.14 | -45% | 6,654,674 |
| C D McIntosh Jr Power Plant | -84% | 0.31 | 0.10 | -0.21 | -67% | 7,572,253 |
| Crist Electric Generating Plant | 264% | 0.14 | 0.49 | 0.35 | 248% | 14,822,632 |
| Crist Electric Generating Plant | 7% | 0.16 | 0.17 | 0.01 | 9% | 15,370,982 |
| Crystal River | -60% | 0.46 | 0.23 | -0.23 | -50% | 41,650,919 |
| Crystal River | -70% | 0.46 | 0.19 | -0.26 | -58% | 39,244,644 |
| Curtis H. Stanton Energy Center | -28% | 0.30 | 0.22 | -0.08 | -27% | 14,474,471 |
| Curtis H. Stanton Energy Center | | 0.33 | | | | 13,564,560 |
| Deerhaven | -85% | 0.46 | 0.08 | -0.39 | -83% | 3,574,432 |
| Deerhaven | -87% | 0.46 | 0.07 | -0.40 | -86% | 3,262,832 |
| Lansing Smith Generating Plant | -44% | 0.43 | 0.33 | -0.10 | -23% | 7,273,109 |
| Lansing Smith Generating Plant | -45% | 0.42 | 0.29 | -0.13 | -31% | 5,774,237 |
| Northside | 38% | 0.07 | 0.09 | 0.01 | 20% | 9,780,867 |
| Northside | 23% | 0.08 | 0.08 | -0.01 | -10% | 8,335,754 |
| Polk | -18% | 0.06 | 0.06 | 0.00 | 5% | 3,503,585 |
| Polk | 100% | 0.07 | 0.06 | -0.01 | -9% | 1,495,766 |
| Scholz Electric Generating Plant | -69% | 0.63 | 0.61 | -0.02 | -4% | 1,440,139 |
| Scholz Electric Generating Plant | -91% | 0.68 | 0.57 | -0.10 | -15% | 1,288,606 |
| Seminole (136) | -89% | 0.39 | 0.05 | -0.34 | -87% | 24,739,311 |
| Seminole (136) | -89% | 0.40 | 0.05 | -0.35 | -89% | 22,601,672 |
| St. Johns River Power | -64% | 0.42 | 0.14 | -0.28 | -67% | 18,283,677 |
| St. Johns River Power | -73% | 0.44 | 0.11 | -0.33 | -76% | 23,046,436 |
| Bowen | -84% | 0.42 | 0.07 | -0.34 | -82% | 57,699,509 |
| Bowen | -44% | 0.12 | 0.06 | -0.06 | -51% | 53,768,026 |
| Hammond | -51% | 0.42 | 0.28 | -0.13 | -32% | 11,549,714 |
| Hammond | | 0.22 | | | | 13,706,580 |
| Harllee Branch | -41% | 0.42 | 0.39 | -0.03 | -7% | 24,294,919 |
| Harllee Branch | -52% | 0.42 | 0.39 | -0.03 | -6% | 23,750,103 |
| Jack McDonough | 48% | 0.28 | 0.29 | 0.01 | 5% | 4,376,199 |
| Jack McDonough | -25% | 0.24 | 0.26 | 0.02 | 9% | 7,207,199 |
| Kraft | -24% | 0.54 | 0.68 | 0.13 | 25% | 3,819,478 |
| Kraft | 9% | 0.48 | 0.71 | 0.23 | 48% | 3,319,211 |
| McIntosh (6124) | -14% | 0.48 | 0.73 | 0.26 | 54% | 2,417,499 |
| McIntosh (6124) | -83% | 0.51 | 0.53 | 0.01 | 2% | 2,344,085 |
| Mitchell (GA) | -83% | 0.67 | 0.64 | -0.03 | -5% | 1,970,960 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| C D McIntosh Jr Power Plant | 4,373,521 | -2,281,153 | -34% |
| C D McIntosh Jr Power Plant | 3,592,040 | -3,980,213 | -53% |
| Crist Electric Generating Plant | 15,522,741 | 700,109 | 5% |
| Crist Electric Generating Plant | 15,109,741 | -261,241 | -2% |
| Crystal River | 33,570,725 | -8,080,194 | -19% |
| Crystal River | 28,073,889 | -11,170,755 | -28% |
| Curtis H. Stanton Energy Center | 14,219,620 | -254,851 | -2% |
| Curtis H. Stanton Energy Center | | | |
| Deerhaven | 3,253,227 | -321,204 | -9% |
| Deerhaven | 3,083,130 | -179,701 | -6% |
| Lansing Smith Generating Plant | 5,294,965 | -1,978,143 | -27% |
| Lansing Smith Generating Plant | 4,615,845 | -1,158,392 | -20% |
| Northside | 11,278,783 | 1,497,916 | 15% |
| Northside | 11,302,833 | 2,967,079 | 36% |
| Polk | 2,735,787 | -767,798 | -22% |
| Polk | 3,293,444 | 1,797,678 | 120% |
| Scholz Electric Generating Plant | 457,422 | -982,717 | -68% |
| Scholz Electric Generating Plant | 141,888 | -1,146,718 | -89% |
| Seminole (136) | 20,989,535 | -3,749,776 | -15% |
| Seminole (136) | 22,546,240 | -55,432 | 0% |
| St. Johns River Power | 20,092,410 | 1,808,733 | 10% |
| St. Johns River Power | 25,480,202 | 2,433,766 | 11% |
| Bowen | 51,044,485 | -6,655,023 | -12% |
| Bowen | 61,612,558 | 7,844,532 | 15% |
| Hammond | 8,365,611 | -3,184,103 | -28% |
| Hammond | | | |
| Harllee Branch | 15,572,526 | -8,722,393 | -36% |
| Harllee Branch | 12,052,642 | -11,697,460 | -49% |
| Jack McDonough | 6,187,256 | 1,811,058 | 41% |
| Jack McDonough | 4,990,503 | -2,216,696 | -31% |
| Kraft | 2,333,230 | -1,486,249 | -39% |
| Kraft | 2,452,611 | -866,600 | -26% |
| McIntosh (6124) | 1,356,722 | -1,060,777 | -44% |
| McIntosh (6124) | 380,066 | -1,964,019 | -84% |
| Mitchell (GA) | 359,057 | -1,611,903 | -82% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Mitchell (GA) | GA | Dougherty | 2 | 1,553 | 189 | -1,364 | -88% | 1.63 |
| Scherer | GA | Monroe | 1 | 18,878 | 15,787 | -3,091 | -16% | 0.59 |
| Scherer | GA | Monroe | 2 | 20,151 | 18,478 | -1,673 | -8% | 0.60 |
| Wansley (6052) | GA | Heard | 1 | 18,261 | 455 | -17,806 | -98% | 1.41 |
| Wansley (6052) | GA | Heard | 2 | 21,205 | 532 | -20,673 | -97% | 1.34 |
| Yates | GA | Coweta | 1 | 19,177 | 16,500 | -2,676 | -14% | 1.97 |
| Yates | GA | Coweta | 2 | 18,843 | 10,917 | -7,926 | -42% | 1.78 |
| Ames | IA | Story | 1 | 335 | 233 | -102 | -30% | 0.36 |
| Ames | IA | Story | 2 | 207 | 189 | -18 | -9% | 0.36 |
| Burlington (IA) | IA | Des Moines | 1 | 923 | 860 | -63 | -7% | 0.67 |
| Burlington (IA) | IA | Des Moines | 2 | 1,069 | 150 | -920 | -86% | 0.60 |
| Dubuque | IA | Dubuque | 1 | 298 | 332 | 34 | 11% | 0.62 |
| Dubuque | IA | Dubuque | 2 | 294 | 131 | -163 | -55% | 0.62 |
| Earl F Wisdom | IA | Clay | 1 | 391 | 15 | -376 | -96% | 2.05 |
| Earl F Wisdom | IA | Clay | 2 | 241 | 297 | 56 | 23% | 1.99 |
| Fair Station | IA | Muscatine | 1 | 192 | 1,545 | 1,353 | 705% | 1.62 |
| Fair Station | IA | Muscatine | 2 | 506 | 1,233 | 727 | 144% | 1.74 |
| George Neal North | IA | Woodbury | 1 | 5,096 | 5,634 | 538 | 11% | 0.62 |
| George Neal North | IA | Woodbury | 2 | 4,040 | 5,943 | 1,903 | 47% | 0.62 |
| George Neal South | IA | Woodbury | 1 | 3,740 | 4,084 | 344 | 9% | 0.60 |
| George Neal South | IA | Woodbury | 2 | 3,026 | 4,121 | 1,095 | 36% | 0.58 |
| Lansing | IA | Allamakee | 1 | 2,049 | 1,525 | -524 | -26% | 0.66 |
| Lansing | IA | Allamakee | 2 | 1,629 | 260 | -1,368 | -84% | 0.65 |
| Louisa | IA | Louisa | 1 | 846 | 1,624 | 778 | 92% | 0.13 |
| Louisa | IA | Louisa | 2 | 441 | 1,930 | 1,489 | 337% | 0.08 |
| Milton L Kapp | IA | Clinton | 1 | 764 | 840 | 76 | 10% | 0.66 |
| Milton L Kapp | IA | Clinton | 2 | 153 | 1,034 | 881 | 576% | 0.61 |
| Muscatine | IA | Muscatine | 1 | 720 | 572 | -147 | -20% | 0.32 |
| Muscatine | IA | Muscatine | 2 | 453 | 318 | -134 | -30% | 0.21 |
| Ottumwa | IA | Wapello | 1 | 3,868 | 2,758 | -1,110 | -29% | 0.60 |
| Ottumwa | IA | Wapello | 2 | 4,378 | 3,529 | -849 | -19% | 0.60 |
| Pella | IA | Marion | 1 | 61 | 63 | 2 | 4% | 0.54 |
| Pella | IA | Marion | 2 | 51 | 46 | -5 | -9% | 0.55 |
| Prairie Creek | IA | Linn | 1 | 814 | 898 | 84 | 10% | 0.62 |
| Prairie Creek | IA | Linn | 2 | 888 | 1,127 | 239 | 27% | 0.67 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Mitchell (GA) | 1.45 | -0.19 | -11% | 602 | 71 | -532 |
| Scherer | 0.56 | -0.03 | -6% | 4,640 | 4,039 | -601 |
| Scherer | 0.56 | -0.04 | -7% | 4,859 | 4,615 | -244 |
| Wansley (6052) | 0.04 | -1.37 | -97% | 5,156 | 656 | -4,500 |
| Wansley (6052) | 0.04 | -1.30 | -97% | 2,134 | 651 | -1,483 |
| Yates | 1.99 | 0.01 | 1% | 3,836 | 3,184 | -652 |
| Yates | 1.66 | -0.12 | -7% | 2,999 | 1,806 | -1,193 |
| Ames | 0.42 | 0.06 | 17% | 324 | 257 | -67 |
| Ames | 0.35 | -0.01 | -3% | 200 | 242 | 42 |
| Burlington (IA) | 0.61 | -0.05 | -8% | 168 | 210 | 42 |
| Burlington (IA) | 0.61 | 0.01 | 2% | 235 | 39 | -197 |
| Dubuque | 0.69 | 0.07 | 12% | 336 | 343 | 7 |
| Dubuque | 0.66 | 0.03 | 6% | 348 | 137 | -211 |
| Earl F Wisdom | 1.76 | -0.28 | -14% | 133 | 7 | -127 |
| Earl F Wisdom | 1.99 | 0.00 | 0% | 92 | 122 | 30 |
| Fair Station | 4.18 | 2.55 | 157% | 39 | 154 | 115 |
| Fair Station | 5.03 | 3.29 | 189% | 109 | 118 | 9 |
| George Neal North | 0.64 | 0.01 | 2% | 2,333 | 2,519 | 187 |
| George Neal North | 0.65 | 0.03 | 4% | 1,698 | 2,528 | 830 |
| George Neal South | 0.66 | 0.06 | 9% | 1,488 | 1,582 | 94 |
| George Neal South | 0.63 | 0.05 | 8% | 1,129 | 1,464 | 335 |
| Lansing | 0.65 | -0.01 | -2% | 1,445 | 1,005 | -440 |
| Lansing | 0.63 | -0.02 | -3% | 1,260 | 169 | -1,091 |
| Louisa | 0.26 | 0.13 | 104% | 1,270 | 1,214 | -56 |
| Louisa | 0.29 | 0.21 | 266% | 1,072 | 1,234 | 162 |
| Milton L Kapp | 0.67 | 0.01 | 2% | 132 | 135 | 3 |
| Milton L Kapp | 0.76 | 0.16 | 26% | 39 | 150 | 111 |
| Muscatine | 0.22 | -0.10 | -32% | 1,179 | 973 | -206 |
| Muscatine | 0.17 | -0.04 | -19% | 692 | 591 | -101 |
| Ottumwa | 0.54 | -0.06 | -11% | 890 | 731 | -159 |
| Ottumwa | 0.62 | 0.01 | 2% | 998 | 762 | -237 |
| Pella | 0.53 | -0.01 | -2% | 44 | 52 | 7 |
| Pella | 0.62 | 0.06 | 11% | 36 | 31 | -4 |
| Prairie Creek | 0.64 | 0.02 | 3% | 596 | 618 | 22 |
| Prairie Creek | 0.67 | 0.00 | 0% | 637 | 691 | 54 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Mitchell (GA) | -88% | 0.63 | 0.54 | -0.09 | -14% | 1,901,694 |
| Scherer | -13% | 0.15 | 0.14 | 0.00 | -2% | 63,971,475 |
| Scherer | -5% | 0.14 | 0.14 | 0.00 | -3% | 67,378,951 |
| Wansley (6052) | -87% | 0.40 | 0.06 | -0.33 | -84% | 25,905,595 |
| Wansley (6052) | -69% | 0.14 | 0.05 | -0.08 | -62% | 31,560,419 |
| Yates | -17% | 0.40 | 0.38 | -0.01 | -3% | 19,420,222 |
| Yates | -40% | 0.28 | 0.27 | -0.01 | -3% | 21,196,152 |
| Ames | -21% | 0.34 | 0.46 | 0.11 | 33% | 1,885,878 |
| Ames | 21% | 0.35 | 0.45 | 0.10 | 29% | 1,143,436 |
| Burlington (IA) | 25% | 0.12 | 0.15 | 0.03 | 23% | 2,773,726 |
| Burlington (IA) | -84% | 0.13 | 0.16 | 0.03 | 20% | 3,569,762 |
| Dubuque | 2% | 0.70 | 0.72 | 0.02 | 2% | 960,311 |
| Dubuque | -61% | 0.74 | 0.69 | -0.05 | -7% | 942,123 |
| Earl F Wisdom | -95% | 0.70 | 0.79 | 0.09 | 13% | 382,142 |
| Earl F Wisdom | 33% | 0.76 | 0.82 | 0.06 | 8% | 241,984 |
| Fair Station | 291% | 0.33 | 0.42 | 0.08 | 25% | 236,520 |
| Fair Station | 8% | 0.37 | 0.48 | 0.11 | 29% | 581,732 |
| George Neal North | 8% | 0.29 | 0.28 | 0.00 | 0% | 16,346,790 |
| George Neal North | 49% | 0.26 | 0.28 | 0.01 | 6% | 12,968,963 |
| George Neal South | 6% | 0.24 | 0.25 | 0.02 | 6% | 12,448,595 |
| George Neal South | 30% | 0.22 | 0.22 | 0.01 | 3% | 10,455,539 |
| Lansing | -30% | 0.47 | 0.43 | -0.04 | -8% | 6,192,322 |
| Lansing | -87% | 0.50 | 0.41 | -0.09 | -18% | 5,028,568 |
| Louisa | -4% | 0.19 | 0.19 | 0.00 | 2% | 13,495,331 |
| Louisa | 15% | 0.19 | 0.18 | -0.01 | -4% | 11,309,079 |
| Milton L Kapp | 3% | 0.11 | 0.11 | -0.01 | -5% | 2,310,583 |
| Milton L Kapp | 283% | 0.16 | 0.11 | -0.04 | -29% | 505,318 |
| Muscatine | -17% | 0.53 | 0.37 | -0.16 | -30% | 4,462,760 |
| Muscatine | -15% | 0.33 | 0.32 | 0.00 | -1% | 4,258,913 |
| Ottumwa | -18% | 0.14 | 0.14 | 0.00 | 3% | 12,795,650 |
| Ottumwa | -24% | 0.14 | 0.13 | 0.00 | -3% | 14,535,700 |
| Pella | 17% | 0.39 | 0.43 | 0.04 | 10% | 224,551 |
| Pella | -12% | 0.39 | 0.42 | 0.03 | 8% | 183,971 |
| Prairie Creek | 4% | 0.45 | 0.44 | -0.02 | -3% | 2,631,290 |
| Prairie Creek | 8% | 0.48 | 0.41 | -0.07 | -14% | 2,665,473 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Mitchell (GA) | 260,642 | -1,641,052 | -86% |
| Scherer | 56,665,484 | -7,305,991 | -11% |
| Scherer | 66,141,323 | -1,237,629 | -2% |
| Wansley (6052) | 20,449,989 | -5,455,606 | -21% |
| Wansley (6052) | 25,056,643 | -6,503,776 | -21% |
| Yates | 16,587,354 | -2,832,869 | -15% |
| Yates | 13,147,418 | -8,048,733 | -38% |
| Ames | 1,119,731 | -766,146 | -41% |
| Ames | 1,074,762 | -68,674 | -6% |
| Burlington (IA) | 2,811,325 | 37,600 | 1% |
| Burlington (IA) | 487,845 | -3,081,917 | -86% |
| Dubuque | 958,060 | -2,251 | 0% |
| Dubuque | 397,183 | -544,941 | -58% |
| Earl F Wisdom | 16,893 | -365,249 | -96% |
| Earl F Wisdom | 298,143 | 56,160 | 23% |
| Fair Station | 740,150 | 503,630 | 213% |
| Fair Station | 490,014 | -91,718 | -16% |
| George Neal North | 17,682,311 | 1,335,521 | 8% |
| George Neal North | 18,280,482 | 5,311,519 | 41% |
| George Neal South | 12,447,670 | -925 | 0% |
| George Neal South | 13,152,299 | 2,696,760 | 26% |
| Lansing | 4,689,854 | -1,502,468 | -24% |
| Lansing | 825,309 | -4,203,259 | -84% |
| Louisa | 12,681,479 | -813,852 | -6% |
| Louisa | 13,512,046 | 2,202,967 | 19% |
| Milton L Kapp | 2,488,984 | 178,401 | 8% |
| Milton L Kapp | 2,705,501 | 2,200,183 | 435% |
| Muscatine | 5,243,254 | 780,494 | 17% |
| Muscatine | 3,674,759 | -584,154 | -14% |
| Ottumwa | 10,195,794 | -2,599,856 | -20% |
| Ottumwa | 11,465,186 | -3,070,514 | -21% |
| Pella | 238,126 | 13,576 | 6% |
| Pella | 149,973 | -33,998 | -18% |
| Prairie Creek | 2,825,424 | 194,133 | 7% |
| Prairie Creek | 3,379,746 | 714,272 | 27% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Riverside (1081) | IA | Scott | 1 | 626 | 822 | 197 | 31% | 0.61 |
| Riverside (1081) | IA | Scott | 2 | 496 | 712 | 217 | 44% | 0.61 |
| Sixth Street | IA | Linn | 1 | 284 | | | | 0.47 |
| Sixth Street | IA | Linn | 2 | 195 | | | | 0.53 |
| Streeter Station | IA | Black Hawk | 1 | 266 | 156 | -110 | -41% | 1.23 |
| Streeter Station | IA | Black Hawk | 2 | 75 | 31 | -43 | -58% | 1.05 |
| Sutherland | IA | Marshall | 1 | 2,126 | 1,950 | -176 | -8% | 1.33 |
| Sutherland | IA | Marshall | 2 | 1,747 | 1,247 | -500 | -29% | 1.63 |
| Walter Scott Jr. Energy Center | IA | Pottawattamie | 1 | 5,464 | 3,791 | -1,672 | -31% | 0.39 |
| Walter Scott Jr. Energy Center | IA | Pottawattamie | 2 | 5,230 | 3,322 | -1,908 | -36% | 0.38 |
| Baldwin Energy Complex | IL | Randolph | 1 | 6,091 | 6,188 | 97 | 2% | 0.37 |
| Baldwin Energy Complex | IL | Randolph | 2 | 5,663 | 4,221 | -1,443 | -25% | 0.40 |
| Coffeen | IL | Montgomery | 1 | 3,595 | 67 | -3,528 | -98% | 0.40 |
| Coffeen | IL | Montgomery | 2 | 2,531 | 58 | -2,473 | -98% | 0.39 |
| Crawford | IL | Cook | 1 | 1,867 | 1,866 | -1 | 0% | 0.47 |
| Crawford | IL | Cook | 2 | 1,815 | 2,264 | 448 | 25% | 0.46 |
| Dallman | IL | Sangamon | 1 | 903 | 1,479 | 577 | 64% | 0.28 |
| Dallman | IL | Sangamon | 2 | 556 | 744 | 188 | 34% | 0.35 |
| Duck Creek | IL | Fulton | 1 | 1,810 | 255 | -1,556 | -86% | 0.54 |
| Duck Creek | IL | Fulton | 2 | 1,663 | 176 | -1,487 | -89% | 0.57 |
| E D Edwards | IL | Peoria | 1 | 2,991 | 3,130 | 138 | 5% | 0.44 |
| E D Edwards | IL | Peoria | 2 | 2,576 | 2,864 | 288 | 11% | 0.44 |
| Fisk | IL | Cook | 1 | 1,099 | 1,292 | 193 | 18% | 0.45 |
| Fisk | IL | Cook | 2 | 1,012 | 456 | -556 | -55% | 0.46 |
| Havana | IL | Mason | 1 | 1,178 | 1,838 | 660 | 56% | 0.42 |
| Havana | IL | Mason | 2 | 1,653 | 1,908 | 255 | 15% | 0.42 |
| Hennepin Power Station | IL | Putnam | 1 | 1,235 | 1,615 | 379 | 31% | 0.43 |
| Hennepin Power Station | IL | Putnam | 2 | 1,056 | 1,541 | 485 | 46% | 0.42 |
| Hutsonville | IL | Crawford | 1 | 887 | 566 | -320 | -36% | 0.55 |
| Hutsonville | IL | Crawford | 2 | 503 | 300 | -202 | -40% | 0.52 |
| Joliet 29 | IL | Will | 1 | 3,751 | 3,502 | -249 | -7% | 0.45 |
| Joliet 29 | IL | Will | 2 | 3,582 | 2,124 | -1,458 | -41% | 0.51 |
| Joliet 9 | IL | Will | 1 | 1,262 | 417 | -845 | -67% | 0.41 |
| Joliet 9 | IL | Will | 2 | 896 | 889 | -8 | -1% | 0.52 |
| Joppa Steam | IL | Massac | 1 | 6,660 | 6,739 | 78 | 1% | 0.63 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Riverside (1081) | 0.73 | 0.12 | 19% | 221 | 232 | 11 |
| Riverside (1081) | 0.64 | 0.03 | 5% | 212 | 228 | 16 |
| Sixth Street | | | | 132 | | |
| Sixth Street | | | | 89 | | |
| Streeter Station | 0.86 | -0.37 | -30% | 158 | 122 | -36 |
| Streeter Station | 0.85 | -0.20 | -19% | 54 | 26 | -28 |
| Sutherland | 1.44 | 0.12 | 9% | 686 | 470 | -216 |
| Sutherland | 1.36 | -0.27 | -17% | 518 | 280 | -238 |
| Walter Scott Jr. Energy Center | 0.24 | -0.15 | -38% | 1,997 | 2,082 | 85 |
| Walter Scott Jr. Energy Center | 0.26 | -0.13 | -33% | 1,757 | 1,774 | 18 |
| Baldwin Energy Complex | 0.39 | 0.02 | 6% | 1,315 | 955 | -360 |
| Baldwin Energy Complex | 0.39 | -0.02 | -5% | 1,070 | 550 | -520 |
| Coffeen | 0.01 | -0.39 | -97% | 4,857 | 398 | -4,459 |
| Coffeen | 0.01 | -0.39 | -98% | 1,287 | 426 | -861 |
| Crawford | 0.51 | 0.03 | 7% | 714 | 457 | -257 |
| Crawford | 0.47 | 0.01 | 2% | 544 | 563 | 18 |
| Dallman | 0.30 | 0.02 | 9% | 1,760 | 589 | -1,171 |
| Dallman | 0.19 | -0.16 | -46% | 387 | 336 | -51 |
| Duck Creek | 0.07 | -0.47 | -87% | 1,323 | 295 | -1,027 |
| Duck Creek | 0.05 | -0.52 | -91% | 635 | 273 | -363 |
| E D Edwards | 0.43 | 0.00 | -1% | 1,299 | 1,044 | -255 |
| E D Edwards | 0.45 | 0.01 | 1% | 993 | 923 | -70 |
| Fisk | 0.51 | 0.06 | 12% | 324 | 305 | -18 |
| Fisk | 0.47 | 0.01 | 3% | 270 | 113 | -158 |
| Havana | 0.45 | 0.03 | 6% | 134 | 119 | -15 |
| Havana | 0.43 | 0.01 | 2% | 131 | 139 | 9 |
| Hennepin Power Station | 0.48 | 0.06 | 13% | 296 | 437 | 142 |
| Hennepin Power Station | 0.50 | 0.08 | 18% | 296 | 414 | 118 |
| Hutsonville | 0.57 | 0.02 | 4% | 365 | 200 | -165 |
| Hutsonville | 0.55 | 0.03 | 5% | 212 | 115 | -97 |
| Joliet 29 | 0.44 | -0.01 | -1% | 936 | 893 | -43 |
| Joliet 29 | 0.44 | -0.07 | -15% | 779 | 549 | -229 |
| Joliet 9 | 0.43 | 0.02 | 4% | 1,341 | 430 | -911 |
| Joliet 9 | 0.43 | -0.08 | -16% | 761 | 756 | -5 |
| Joppa Steam | 0.60 | -0.03 | -5% | 1,343 | 1,255 | -88 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Riverside (1081) | 5% | 0.22 | 0.21 | -0.01 | -5% | 2,053,718 |
| Riverside (1081) | 7% | 0.26 | 0.20 | -0.06 | -21% | 1,630,332 |
| Sixth Street | | 0.22 | | | | 1,208,914 |
| Sixth Street | | 0.24 | | | | 736,659 |
| Streeter Station | -23% | 0.73 | 0.67 | -0.06 | -9% | 432,014 |
| Streeter Station | -53% | 0.76 | 0.69 | -0.07 | -9% | 142,252 |
| Sutherland | -31% | 0.43 | 0.35 | -0.08 | -19% | 3,209,473 |
| Sutherland | -46% | 0.48 | 0.30 | -0.18 | -37% | 2,148,168 |
| Walter Scott Jr. Energy Center | 4% | 0.14 | 0.13 | -0.01 | -7% | 28,209,009 |
| Walter Scott Jr. Energy Center | 1% | 0.13 | 0.14 | 0.01 | 7% | 27,280,534 |
| Baldwin Energy Complex | -27% | 0.08 | 0.06 | -0.02 | -24% | 32,858,523 |
| Baldwin Energy Complex | -49% | 0.08 | 0.05 | -0.03 | -34% | 28,072,849 |
| Coffeen | -92% | 0.54 | 0.08 | -0.46 | -85% | 17,893,561 |
| Coffeen | -67% | 0.20 | 0.05 | -0.15 | -74% | 12,840,739 |
| Crawford | -36% | 0.18 | 0.12 | -0.06 | -32% | 7,869,663 |
| Crawford | 3% | 0.14 | 0.12 | -0.02 | -15% | 7,928,848 |
| Dallman | -67% | 0.54 | 0.12 | -0.42 | -78% | 6,474,395 |
| Dallman | -13% | 0.24 | 0.08 | -0.16 | -65% | 3,209,926 |
| Duck Creek | -78% | 0.40 | 0.08 | -0.32 | -79% | 6,650,280 |
| Duck Creek | -57% | 0.22 | 0.08 | -0.14 | -64% | 5,813,619 |
| E D Edwards | -20% | 0.19 | 0.14 | -0.05 | -24% | 13,612,819 |
| E D Edwards | -7% | 0.17 | 0.14 | -0.03 | -15% | 11,664,515 |
| Fisk | -6% | 0.13 | 0.12 | -0.01 | -10% | 4,839,388 |
| Fisk | -58% | 0.12 | 0.12 | -0.01 | -5% | 4,435,126 |
| Havana | -11% | 0.05 | 0.03 | -0.02 | -39% | 5,598,193 |
| Havana | 7% | 0.03 | 0.03 | 0.00 | -5% | 7,809,048 |
| Hennepin Power Station | 48% | 0.10 | 0.13 | 0.03 | 28% | 5,802,141 |
| Hennepin Power Station | 40% | 0.12 | 0.13 | 0.02 | 13% | 5,035,703 |
| Hutsonville | -45% | 0.23 | 0.20 | -0.03 | -11% | 3,226,876 |
| Hutsonville | -46% | 0.22 | 0.21 | -0.01 | -5% | 1,929,007 |
| Joliet 29 | -5% | 0.11 | 0.11 | 0.00 | 1% | 16,678,415 |
| Joliet 29 | -29% | 0.11 | 0.11 | 0.00 | 2% | 14,052,037 |
| Joliet 9 | -68% | 0.44 | 0.44 | 0.00 | 1% | 6,139,413 |
| Joliet 9 | -1% | 0.44 | 0.37 | -0.07 | -16% | 3,471,124 |
| Joppa Steam | -7% | 0.13 | 0.11 | -0.01 | -12% | 21,234,405 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Riverside (1081) | 2,262,322 | 208,604 | 10% |
| Riverside (1081) | 2,229,029 | 598,698 | 37% |
| Sixth Street | | | |
| Sixth Street | | | |
| Streeter Station | 364,454 | -67,560 | -16% |
| Streeter Station | 73,761 | -68,491 | -48% |
| Sutherland | 2,708,505 | -500,968 | -16% |
| Sutherland | 1,838,698 | -309,470 | -14% |
| Walter Scott Jr. Energy Center | 31,713,493 | 3,504,485 | 12% |
| Walter Scott Jr. Energy Center | 25,809,910 | -1,470,624 | -5% |
| Baldwin Energy Complex | 31,524,888 | -1,333,635 | -4% |
| Baldwin Energy Complex | 21,923,893 | -6,148,956 | -22% |
| Coffeen | 9,723,788 | -8,169,773 | -46% |
| Coffeen | 16,101,537 | 3,260,798 | 25% |
| Crawford | 7,354,671 | -514,992 | -7% |
| Crawford | 9,699,989 | 1,771,141 | 22% |
| Dallman | 9,748,724 | 3,274,329 | 51% |
| Dallman | 8,022,363 | 4,812,436 | 150% |
| Duck Creek | 7,224,828 | 574,548 | 9% |
| Duck Creek | 6,974,991 | 1,161,372 | 20% |
| E D Edwards | 14,403,426 | 790,607 | 6% |
| E D Edwards | 12,784,266 | 1,119,751 | 10% |
| Fisk | 5,063,520 | 224,132 | 5% |
| Fisk | 1,942,148 | -2,492,978 | -56% |
| Havana | 8,215,185 | 2,616,992 | 47% |
| Havana | 8,799,998 | 990,950 | 13% |
| Hennepin Power Station | 6,689,148 | 887,008 | 15% |
| Hennepin Power Station | 6,213,308 | 1,177,605 | 23% |
| Hutsonville | 1,989,616 | -1,237,260 | -38% |
| Hutsonville | 1,096,397 | -832,610 | -43% |
| Joliet 29 | 15,750,293 | -928,123 | -6% |
| Joliet 29 | 9,748,292 | -4,303,746 | -31% |
| Joliet 9 | 1,946,619 | -4,192,794 | -68% |
| Joliet 9 | 4,113,672 | 642,548 | 19% |
| Joppa Steam | 22,507,252 | 1,272,847 | 6% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Joppa Steam | IL | Massac | 2 | 6,107 | 6,374 | 267 | 4% | 0.62 |
| Kincaid Station | IL | Christian | 1 | 4,492 | 4,553 | 61 | 1% | 0.46 |
| Kincaid Station | IL | Christian | 2 | 4,508 | 3,193 | -1,316 | -29% | 0.44 |
| Lakeside | IL | Sangamon | 1 | 3,669 | | | | 6.04 |
| Lakeside | IL | Sangamon | 2 | 3,085 | | | | 6.02 |
| Marion | IL | Williamson | 1 | 1,482 | 2,333 | 851 | 57% | 0.42 |
| Marion | IL | Williamson | 2 | 1,230 | 1,963 | 733 | 60% | 0.49 |
| Meredosia | IL | Morgan | 1 | 2,993 | 763 | -2,230 | -75% | 1.47 |
| Meredosia | IL | Morgan | 2 | 1,936 | 513 | -1,423 | -74% | 0.85 |
| Newton | IL | Jasper | 1 | 6,161 | 6,476 | 315 | 5% | 0.52 |
| Newton | IL | Jasper | 2 | 5,213 | 5,331 | 118 | 2% | 0.55 |
| Powerton | IL | Tazewell | 1 | 4,934 | 5,803 | 869 | 18% | 0.42 |
| Powerton | IL | Tazewell | 2 | 4,389 | 2,517 | -1,872 | -43% | 0.43 |
| Vermilion Power Station | IL | Vermilion | 1 | 685 | 636 | -49 | -7% | 0.40 |
| Vermilion Power Station | IL | Vermilion | 2 | 563 | | | | 0.41 |
| Waukegan | IL | Lake | 1 | 2,432 | 3,111 | 680 | 28% | 0.52 |
| Waukegan | IL | Lake | 2 | 2,205 | 2,291 | 86 | 4% | 0.49 |
| Will County | IL | Will | 1 | 3,967 | 3,713 | -254 | -6% | 0.49 |
| Will County | IL | Will | 2 | 3,448 | 3,337 | -112 | -3% | 0.49 |
| Wood River Power Station | IL | Madison | 1 | 1,855 | 2,406 | 551 | 30% | 0.40 |
| Wood River Power Station | IL | Madison | 2 | 1,580 | 2,149 | 569 | 36% | 0.43 |
| A B Brown Generating Station | IN | Posey | 1 | 2,095 | 1,513 | -581 | -28% | 0.46 |
| A B Brown Generating Station | IN | Posey | 2 | 2,245 | 1,291 | -954 | -42% | 0.55 |
| Alcoa Allowance Management Inc | IN | Warrick | 1 | 21,427 | 1,089 | -20,338 | -95% | 2.68 |
| Alcoa Allowance Management Inc | IN | Warrick | 2 | 20,724 | 1,005 | -19,719 | -95% | 2.78 |
| Bailly Generating Station | IN | Porter | 1 | 1,794 | 502 | -1,293 | -72% | 0.41 |
| Bailly Generating Station | IN | Porter | 2 | 1,933 | 5,395 | 3,462 | 179% | 0.67 |
| Cayuga | IN | Vermillion | 1 | 24,517 | 514 | -24,003 | -98% | 2.97 |
| Cayuga | IN | Vermillion | 2 | 12,471 | 441 | -12,030 | -96% | 2.00 |
| Clifty Creek | IN | Jefferson | 1 | 17,991 | 16,219 | -1,772 | -10% | 1.79 |
| Clifty Creek | IN | Jefferson | 2 | 14,568 | 14,583 | 15 | 0% | 1.60 |
| Dean H Mitchell Generating Station | IN | Lake | 1 | | | | | |
| Dean H Mitchell Generating Station | IN | Lake | 2 | | | | | |
| Edwardsport | IN | Knox | 1 | 2,809 | 1,531 | -1,278 | -46% | 3.66 |
| Edwardsport | IN | Knox | 2 | 1,615 | 1,176 | -440 | -27% | 3.96 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Joppa Steam | 0.64 | 0.02 | 3% | 1,192 | 1,160 | -32 |
| Kincaid Station | 0.50 | 0.04 | 9% | 7,753 | 5,628 | -2,125 |
| Kincaid Station | 0.43 | -0.02 | -4% | 2,538 | 2,447 | -91 |
| Lakeside | | | | 586 | | |
| Lakeside | | | | 455 | | |
| Marion | 0.76 | 0.33 | 80% | 1,986 | 574 | -1,412 |
| Marion | 0.76 | 0.27 | 56% | 598 | 296 | -302 |
| Meredosia | 0.48 | -0.99 | -67% | 711 | 235 | -476 |
| Meredosia | 0.47 | -0.38 | -44% | 661 | 216 | -445 |
| Newton | 0.59 | 0.07 | 13% | 1,101 | 1,045 | -55 |
| Newton | 0.59 | 0.04 | 7% | 863 | 886 | 23 |
| Powerton | 0.41 | -0.01 | -3% | 8,445 | 3,899 | -4,546 |
| Powerton | 0.47 | 0.05 | 11% | 4,408 | 1,478 | -2,930 |
| Vermilion Power Station | 0.47 | 0.07 | 18% | 360 | 298 | -62 |
| Vermilion Power Station | | | | 316 | | |
| Waukegan | 0.56 | 0.03 | 6% | 589 | 720 | 131 |
| Waukegan | 0.52 | 0.03 | 6% | 574 | 572 | -2 |
| Will County | 0.46 | -0.04 | -7% | 1,913 | 1,699 | -215 |
| Will County | 0.46 | -0.03 | -6% | 1,579 | 1,450 | -129 |
| Wood River Power Station | 0.48 | 0.08 | 19% | 701 | 747 | 46 |
| Wood River Power Station | 0.51 | 0.08 | 19% | 568 | 622 | 54 |
| A B Brown Generating Station | 0.43 | -0.03 | -6% | 1,921 | 532 | -1,389 |
| A B Brown Generating Station | 0.49 | -0.06 | -10% | 749 | 428 | -321 |
| Alcoa Allowance Management Inc | 0.13 | -2.55 | -95% | 3,042 | 2,365 | -677 |
| Alcoa Allowance Management Inc | 0.13 | -2.65 | -95% | 1,999 | 2,057 | 57 |
| Bailly Generating Station | 0.17 | -0.24 | -60% | 4,274 | 432 | -3,841 |
| Bailly Generating Station | 3.20 | 2.52 | 374% | 1,459 | 411 | -1,048 |
| Cayuga | 0.07 | -2.90 | -98% | 2,699 | 2,166 | -533 |
| Cayuga | 0.06 | -1.94 | -97% | 1,852 | 1,809 | -42 |
| Clifty Creek | 1.59 | -0.20 | -11% | 7,482 | 2,511 | -4,971 |
| Clifty Creek | 1.70 | 0.10 | 6% | 3,300 | 2,141 | -1,159 |
| Dean H Mitchell Generating Station | | | | | | |
| Dean H Mitchell Generating Station | | | | | | |
| Edwardsport | 3.91 | 0.25 | 7% | 454 | 225 | -229 |
| Edwardsport | 3.79 | -0.17 | -4% | 235 | 209 | -27 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Joppa Steam | -3% | 0.12 | 0.12 | 0.00 | -4% | 19,622,585 |
| Kincaid Station | -27% | 0.79 | 0.61 | -0.17 | -22% | 19,733,023 |
| Kincaid Station | -4% | 0.25 | 0.33 | 0.08 | 30% | 20,286,345 |
| Lakeside | | 0.96 | | | | 1,214,960 |
| Lakeside | | 0.89 | | | | 1,024,613 |
| Marion | -71% | 0.56 | 0.19 | -0.38 | -67% | 7,051,545 |
| Marion | -51% | 0.24 | 0.11 | -0.12 | -52% | 5,058,888 |
| Meredosia | -67% | 0.35 | 0.15 | -0.20 | -58% | 4,084,150 |
| Meredosia | -67% | 0.29 | 0.20 | -0.09 | -32% | 4,540,164 |
| Newton | -5% | 0.09 | 0.10 | 0.00 | 2% | 23,641,671 |
| Newton | 3% | 0.09 | 0.10 | 0.01 | 7% | 18,976,144 |
| Powerton | -54% | 0.71 | 0.27 | -0.44 | -62% | 23,687,068 |
| Powerton | -66% | 0.43 | 0.28 | -0.15 | -35% | 20,443,871 |
| Vermilion Power Station | -17% | 0.21 | 0.22 | 0.01 | 5% | 3,411,687 |
| Vermilion Power Station | | 0.23 | | | | 2,773,281 |
| Waukegan | 22% | 0.13 | 0.13 | 0.00 | 2% | 9,316,851 |
| Waukegan | 0% | 0.13 | 0.13 | 0.00 | 2% | 8,992,820 |
| Will County | -11% | 0.24 | 0.21 | -0.03 | -12% | 16,160,535 |
| Will County | -8% | 0.22 | 0.20 | -0.02 | -10% | 14,202,353 |
| Wood River Power Station | 7% | 0.15 | 0.15 | 0.00 | -2% | 9,178,280 |
| Wood River Power Station | 10% | 0.15 | 0.15 | -0.01 | -4% | 7,426,670 |
| A B Brown Generating Station | -72% | 0.42 | 0.15 | -0.27 | -64% | 9,150,945 |
| A B Brown Generating Station | -43% | 0.18 | 0.16 | -0.02 | -11% | 8,187,067 |
| Alcoa Allowance Management Inc | -22% | 0.38 | 0.29 | -0.09 | -25% | 16,005,605 |
| Alcoa Allowance Management Inc | 3% | 0.27 | 0.27 | 0.00 | -1% | 14,884,910 |
| Bailly Generating Station | -90% | 0.97 | 0.14 | -0.83 | -85% | 8,791,287 |
| Bailly Generating Station | -72% | 0.51 | 0.24 | -0.27 | -52% | 5,734,127 |
| Cayuga | -20% | 0.33 | 0.29 | -0.04 | -12% | 16,518,434 |
| Cayuga | -2% | 0.30 | 0.25 | -0.05 | -17% | 12,447,561 |
| Clifty Creek | -66% | 0.75 | 0.25 | -0.50 | -67% | 20,079,905 |
| Clifty Creek | -35% | 0.36 | 0.25 | -0.11 | -31% | 18,249,792 |
| Dean H Mitchell Generating Station | | | | | | |
| Dean H Mitchell Generating Station | | | | | | |
| Edwardsport | -50% | 0.59 | 0.57 | -0.02 | -3% | 1,534,229 |
| Edwardsport | -11% | 0.58 | 0.67 | 0.10 | 17% | 815,444 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Joppa Steam | 19,845,524 | 222,939 | 1% |
| Kincaid Station | 18,354,572 | -1,378,451 | -7% |
| Kincaid Station | 15,011,553 | -5,274,791 | -26% |
| Lakeside | | | |
| Lakeside | | | |
| Marion | 6,178,051 | -873,493 | -12% |
| Marion | 5,191,318 | 132,430 | 3% |
| Meredosia | 3,182,046 | -902,104 | -22% |
| Meredosia | 2,166,132 | -2,374,032 | -52% |
| Newton | 21,929,862 | -1,711,809 | -7% |
| Newton | 18,196,725 | -779,419 | -4% |
| Powerton | 28,632,224 | 4,945,157 | 21% |
| Powerton | 10,601,854 | -9,842,017 | -48% |
| Vermilion Power Station | 2,692,204 | -719,483 | -21% |
| Vermilion Power Station | | | |
| Waukegan | 11,203,176 | 1,886,325 | 20% |
| Waukegan | 8,785,495 | -207,325 | -2% |
| Will County | 16,304,540 | 144,005 | 1% |
| Will County | 14,542,982 | 340,628 | 2% |
| Wood River Power Station | 9,998,997 | 820,717 | 9% |
| Wood River Power Station | 8,467,300 | 1,040,631 | 14% |
| A B Brown Generating Station | 7,054,941 | -2,096,004 | -23% |
| A B Brown Generating Station | 5,233,410 | -2,953,657 | -36% |
| Alcoa Allowance Management Inc | 16,526,799 | 521,194 | 3% |
| Alcoa Allowance Management Inc | 15,511,561 | 626,651 | 4% |
| Bailly Generating Station | 6,071,088 | -2,720,199 | -31% |
| Bailly Generating Station | 3,375,545 | -2,358,582 | -41% |
| Cayuga | 15,063,877 | -1,454,557 | -9% |
| Cayuga | 14,644,630 | 2,197,069 | 18% |
| Clifty Creek | 20,348,249 | 268,344 | 1% |
| Clifty Creek | 17,171,884 | -1,077,908 | -6% |
| Dean H Mitchell Generating Station | | | |
| Dean H Mitchell Generating Station | | | |
| Edwardsport | 782,802 | -751,428 | -49% |
| Edwardsport | 619,728 | -195,716 | -24% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| F B Culley Generating Station | IN | Warrick | 1 | 952 | 534 | -418 | -44% | 0.23 |
| F B Culley Generating Station | IN | Warrick | 2 | 1,058 | | | | 0.35 |
| Frank E Ratts | IN | Pike | 1 | 4,961 | 6,935 | 1,974 | 40% | 2.09 |
| Frank E Ratts | IN | Pike | 2 | 6,848 | 5,637 | -1,211 | -18% | 2.99 |
| Gibson | IN | Gibson | 1 | 4,797 | 6,532 | 1,735 | 36% | 0.21 |
| Gibson | IN | Gibson | 2 | 3,684 | 6,091 | 2,407 | 65% | 0.15 |
| Harding Street Station (EW Stout) | IN | Marion | 1 | 5,405 | 6,580 | 1,175 | 22% | 0.96 |
| Harding Street Station (EW Stout) | IN | Marion | 2 | 4,141 | 4,212 | 71 | 2% | 1.21 |
| IPL Eagle Valley Generating Station | IN | Morgan | 1 | 3,992 | 3,342 | -650 | -16% | 2.15 |
| IPL Eagle Valley Generating Station | IN | Morgan | 2 | 2,111 | 3,098 | 986 | 47% | 2.22 |
| Merom | IN | Sullivan | 1 | 3,512 | 4,324 | 812 | 23% | 0.40 |
| Merom | IN | Sullivan | 2 | 2,953 | 2,152 | -802 | -27% | 0.32 |
| Michigan City Generating Station | IN | LaPorte | 1 | 1,569 | 3,469 | 1,900 | 121% | 1.11 |
| Michigan City Generating Station | IN | LaPorte | 2 | 2,622 | 2,856 | 234 | 9% | 0.99 |
| Petersburg | IN | Pike | 1 | 5,890 | 9,823 | 3,933 | 67% | 0.36 |
| Petersburg | IN | Pike | 2 | 5,319 | 5,471 | 153 | 3% | 0.34 |
| R Gallagher | IN | Floyd | 1 | 14,264 | 10,014 | -4,250 | -30% | 3.73 |
| R Gallagher | IN | Floyd | 2 | 11,001 | 4,856 | -6,145 | -56% | 2.94 |
| R M Schahfer Generating Station | IN | Jasper | 1 | 10,734 | 6,269 | -4,465 | -42% | 0.72 |
| R M Schahfer Generating Station | IN | Jasper | 2 | 10,457 | 7,274 | -3,182 | -30% | 0.65 |
| Rockport | IN | Spencer | 1 | 14,035 | 13,126 | -908 | -6% | 0.65 |
| Rockport | IN | Spencer | 2 | 13,644 | 9,907 | -3,737 | -27% | 0.63 |
| State Line Generating Station (IN) | IN | Lake | 1 | 2,919 | 2,753 | -166 | -6% | 0.57 |
| State Line Generating Station (IN) | IN | Lake | 2 | 2,362 | 2,585 | 223 | 9% | 0.60 |
| Tanners Creek | IN | Dearborn | 1 | 4,780 | 5,198 | 418 | 9% | 1.10 |
| Tanners Creek | IN | Dearborn | 2 | 6,306 | 5,937 | -368 | -6% | 1.21 |
| Wabash River Gen Station | IN | Vigo | 1 | 17,978 | 10,601 | -7,376 | -41% | 2.99 |
| Wabash River Gen Station | IN | Vigo | 2 | 17,048 | 12,741 | -4,307 | -25% | 3.16 |
| Whitewater Valley | IN | Wayne | 1 | 2,373 | 1,385 | -988 | -42% | 3.15 |
| Whitewater Valley | IN | Wayne | 2 | 2,375 | 593 | -1,783 | -75% | 3.50 |
| Holcomb | KS | Finney | 1 | 412 | 460 | 47 | 11% | 0.10 |
| Holcomb | KS | Finney | 2 | 431 | 330 | -101 | -23% | 0.14 |
| Jeffrey Energy Center | KS | Pottawatomie | 1 | 15,789 | 352 | -15,438 | -98% | 0.77 |
| Jeffrey Energy Center | KS | Pottawatomie | 2 | 13,567 | 223 | -13,344 | -98% | 0.78 |
| Kaw | KS | Wyandotte | 1 | | | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| F B Culley Generating Station | 0.18 | -0.05 | -21% | 680 | 375 | -305 |
| F B Culley Generating Station | | | | 549 | | |
| Frank E Ratts | 3.03 | 0.94 | 45% | 950 | 594 | -356 |
| Frank E Ratts | 2.85 | -0.14 | -5% | 830 | 500 | -330 |
| Gibson | 0.27 | 0.06 | 28% | 9,427 | 3,325 | -6,102 |
| Gibson | 0.25 | 0.10 | 69% | 4,781 | 3,363 | -1,418 |
| Harding Street Station (EW Stout) | 1.32 | 0.36 | 37% | 1,821 | 742 | -1,079 |
| Harding Street Station (EW Stout) | 0.88 | -0.34 | -28% | 849 | 587 | -262 |
| IPL Eagle Valley Generating Station | 2.07 | -0.07 | -3% | 805 | 440 | -366 |
| IPL Eagle Valley Generating Station | 2.12 | -0.11 | -5% | 344 | 446 | 102 |
| Merom | 0.54 | 0.14 | 35% | 2,594 | 1,263 | -1,331 |
| Merom | 0.40 | 0.08 | 24% | 1,582 | 747 | -835 |
| Michigan City Generating Station | 0.86 | -0.25 | -23% | 897 | 415 | -482 |
| Michigan City Generating Station | 0.90 | -0.09 | -9% | 307 | 312 | 5 |
| Petersburg | 0.60 | 0.24 | 65% | 5,502 | 2,640 | -2,863 |
| Petersburg | 0.38 | 0.04 | 13% | 3,398 | 2,438 | -959 |
| R Gallagher | 3.03 | -0.70 | -19% | 1,461 | 1,139 | -323 |
| R Gallagher | 1.79 | -1.15 | -39% | 1,427 | 959 | -469 |
| R M Schahfer Generating Station | 0.51 | -0.21 | -29% | 5,741 | 2,096 | -3,645 |
| R M Schahfer Generating Station | 0.47 | -0.18 | -27% | 4,062 | 2,582 | -1,480 |
| Rockport | 0.60 | -0.04 | -7% | 6,751 | 5,075 | -1,676 |
| Rockport | 0.64 | 0.01 | 1% | 5,175 | 3,615 | -1,559 |
| State Line Generating Station (IN) | 0.63 | 0.06 | 11% | 2,767 | 2,212 | -555 |
| State Line Generating Station (IN) | 0.70 | 0.10 | 18% | 1,734 | 1,798 | 64 |
| Tanners Creek | 1.27 | 0.18 | 16% | 1,569 | 1,070 | -499 |
| Tanners Creek | 1.31 | 0.10 | 8% | 1,799 | 1,074 | -725 |
| Wabash River Gen Station | 2.77 | -0.22 | -7% | 2,136 | 1,257 | -880 |
| Wabash River Gen Station | 3.17 | 0.01 | 0% | 1,878 | 1,194 | -684 |
| Whitewater Valley | 3.26 | 0.11 | 4% | 281 | 118 | -163 |
| Whitewater Valley | 3.50 | 0.00 | 0% | 214 | 46 | -168 |
| Holcomb | 0.13 | 0.02 | 20% | 1,239 | 1,119 | -120 |
| Holcomb | 0.12 | -0.02 | -14% | 930 | 799 | -131 |
| Jeffrey Energy Center | 0.02 | -0.76 | -98% | 6,588 | 4,665 | -1,923 |
| Jeffrey Energy Center | 0.01 | -0.77 | -98% | 4,428 | 4,233 | -195 |
| Kaw | | | | | | |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| F B Culley Generating Station | -45% | 0.17 | 0.13 | -0.04 | -23% | 8,123,988 |
| F B Culley Generating Station | | 0.18 | | | | 6,082,593 |
| Frank E Ratts | -37% | 0.40 | 0.26 | -0.14 | -35% | 4,750,091 |
| Frank E Ratts | -40% | 0.36 | 0.25 | -0.11 | -30% | 4,582,303 |
| Gibson | -65% | 0.41 | 0.14 | -0.28 | -67% | 45,678,235 |
| Gibson | -30% | 0.19 | 0.14 | -0.05 | -28% | 49,372,427 |
| Harding Street Station (EW Stout) | -59% | 0.32 | 0.15 | -0.17 | -54% | 11,265,979 |
| Harding Street Station (EW Stout) | -31% | 0.25 | 0.12 | -0.13 | -51% | 6,838,570 |
| IPL Eagle Valley Generating Station | -45% | 0.43 | 0.27 | -0.16 | -37% | 3,719,877 |
| IPL Eagle Valley Generating Station | 30% | 0.36 | 0.31 | -0.06 | -16% | 1,898,181 |
| Merom | -51% | 0.29 | 0.16 | -0.14 | -46% | 17,741,444 |
| Merom | -53% | 0.17 | 0.14 | -0.03 | -20% | 18,396,291 |
| Michigan City Generating Station | -54% | 0.64 | 0.10 | -0.53 | -84% | 2,825,233 |
| Michigan City Generating Station | 2% | 0.12 | 0.10 | -0.02 | -15% | 5,281,711 |
| Petersburg | -52% | 0.34 | 0.16 | -0.18 | -53% | 32,303,184 |
| Petersburg | -28% | 0.22 | 0.17 | -0.05 | -21% | 31,585,528 |
| R Gallagher | -22% | 0.38 | 0.34 | -0.04 | -10% | 7,657,445 |
| R Gallagher | -33% | 0.38 | 0.35 | -0.03 | -7% | 7,482,878 |
| R M Schahfer Generating Station | -63% | 0.38 | 0.17 | -0.21 | -56% | 29,982,459 |
| R M Schahfer Generating Station | -36% | 0.25 | 0.17 | -0.08 | -33% | 32,114,583 |
| Rockport | -25% | 0.31 | 0.23 | -0.08 | -25% | 43,303,492 |
| Rockport | -30% | 0.24 | 0.23 | -0.01 | -3% | 43,219,578 |
| State Line Generating Station (IN) | -20% | 0.54 | 0.51 | -0.03 | -6% | 10,244,793 |
| State Line Generating Station (IN) | 4% | 0.44 | 0.49 | 0.05 | 11% | 7,927,981 |
| Tanners Creek | -32% | 0.36 | 0.26 | -0.10 | -27% | 8,720,187 |
| Tanners Creek | -40% | 0.34 | 0.24 | -0.11 | -31% | 10,449,616 |
| Wabash River Gen Station | -41% | 0.36 | 0.33 | -0.03 | -8% | 12,019,650 |
| Wabash River Gen Station | -36% | 0.35 | 0.30 | -0.05 | -15% | 10,790,701 |
| Whitewater Valley | -58% | 0.37 | 0.28 | -0.09 | -25% | 1,507,290 |
| Whitewater Valley | -78% | 0.31 | 0.27 | -0.04 | -13% | 1,359,079 |
| Holcomb | -10% | 0.31 | 0.31 | -0.01 | -3% | 7,876,219 |
| Holcomb | -14% | 0.30 | 0.29 | -0.01 | -3% | 6,224,109 |
| Jeffrey Energy Center | -29% | 0.32 | 0.23 | -0.09 | -28% | 40,824,652 |
| Jeffrey Energy Center | -4% | 0.25 | 0.23 | -0.03 | -10% | 34,908,519 |
| Kaw | | | | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| F B Culley Generating Station | 5,787,711 | -2,336,277 | -29% |
| F B Culley Generating Station | | | |
| Frank E Ratts | 4,572,566 | -177,525 | -4% |
| Frank E Ratts | 3,953,231 | -629,072 | -14% |
| Gibson | 48,694,392 | 3,016,157 | 7% |
| Gibson | 48,393,078 | -979,349 | -2% |
| Harding Street Station (EW Stout) | 9,984,765 | -1,281,215 | -11% |
| Harding Street Station (EW Stout) | 9,619,841 | 2,781,272 | 41% |
| IPL Eagle Valley Generating Station | 3,223,180 | -496,697 | -13% |
| IPL Eagle Valley Generating Station | 2,924,691 | 1,026,509 | 54% |
| Merom | 16,148,448 | -1,592,996 | -9% |
| Merom | 10,806,540 | -7,589,751 | -41% |
| Michigan City Generating Station | 8,073,003 | 5,247,770 | 186% |
| Michigan City Generating Station | 6,351,457 | 1,069,747 | 20% |
| Petersburg | 32,631,868 | 328,684 | 1% |
| Petersburg | 28,809,285 | -2,776,244 | -9% |
| R Gallagher | 6,610,289 | -1,047,156 | -14% |
| R Gallagher | 5,422,411 | -2,060,467 | -28% |
| R M Schahfer Generating Station | 24,738,472 | -5,243,987 | -17% |
| R M Schahfer Generating Station | 30,686,185 | -1,428,398 | -4% |
| Rockport | 43,434,839 | 131,348 | 0% |
| Rockport | 31,086,727 | -12,132,850 | -28% |
| State Line Generating Station (IN) | 8,680,277 | -1,564,516 | -15% |
| State Line Generating Station (IN) | 7,378,517 | -549,464 | -7% |
| Tanners Creek | 8,165,572 | -554,615 | -6% |
| Tanners Creek | 9,077,160 | -1,372,456 | -13% |
| Wabash River Gen Station | 7,651,783 | -4,367,867 | -36% |
| Wabash River Gen Station | 8,040,983 | -2,749,718 | -25% |
| Whitewater Valley | 849,046 | -658,244 | -44% |
| Whitewater Valley | 338,538 | -1,020,541 | -75% |
| Holcomb | 7,306,386 | -569,833 | -7% |
| Holcomb | 5,509,447 | -714,662 | -11% |
| Jeffrey Energy Center | 40,405,010 | -419,642 | -1% |
| Jeffrey Energy Center | 37,035,890 | 2,127,371 | 6% |
| Kaw | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Kaw | KS | Wyandotte | 2 | | | | | |
| La Cygne | KS | Linn | 1 | 5,204 | 4,551 | -653 | -13% | 0.44 |
| La Cygne | KS | Linn | 2 | 5,751 | 4,856 | -895 | -16% | 0.54 |
| Lawrence Energy Center | KS | Douglas | 1 | 629 | 828 | 200 | 32% | 0.12 |
| Lawrence Energy Center | KS | Douglas | 2 | 626 | 745 | 119 | 19% | 0.12 |
| Nearman Creek | KS | Wyandotte | 1 | 1,498 | 1,650 | 152 | 10% | 0.63 |
| Nearman Creek | KS | Wyandotte | 2 | 1,221 | 1,286 | 65 | 5% | 0.66 |
| Quindaro | KS | Wyandotte | 1 | 1,023 | 844 | -179 | -17% | 0.55 |
| Quindaro | KS | Wyandotte | 2 | 1,018 | 922 | -96 | -9% | 0.60 |
| Riverton | KS | Cherokee | 1 | 1,644 | 1,175 | -469 | -29% | 1.88 |
| Riverton | KS | Cherokee | 2 | 923 | 1,111 | 188 | 20% | 1.94 |
| Tecumseh Energy Center | KS | Shawnee | 1 | 1,163 | 1,195 | 32 | 3% | 0.52 |
| Tecumseh Energy Center | KS | Shawnee | 2 | 840 | 867 | 27 | 3% | 0.49 |
| Big Sandy | KY | Lawrence | 1 | 11,973 | 12,126 | 153 | 1% | 1.35 |
| Big Sandy | KY | Lawrence | 2 | 7,818 | 8,728 | 910 | 12% | 1.48 |
| Cane Run | KY | Jefferson | 1 | 3,000 | 2,170 | -830 | -28% | 0.82 |
| Cane Run | KY | Jefferson | 2 | 2,687 | 2,238 | -448 | -17% | 0.71 |
| Coleman | KY | Hancock | 1 | 658 | 640 | -18 | -3% | 0.15 |
| Coleman | KY | Hancock | 2 | 633 | | | | 0.17 |
| D B Wilson | KY | Ohio | 1 | 1,791 | 2,505 | 714 | 40% | 0.52 |
| D B Wilson | KY | Ohio | 2 | 2,704 | 2,293 | -411 | -15% | 0.54 |
| E W Brown | KY | Mercer | 1 | 13,877 | 10,133 | -3,744 | -27% | 2.57 |
| E W Brown | KY | Mercer | 2 | 11,824 | | | | 2.54 |
| East Bend | KY | Boone | 1 | 915 | 540 | -375 | -41% | 0.15 |
| East Bend | KY | Boone | 2 | 383 | 418 | 35 | 9% | 0.09 |
| Elmer Smith | KY | Daviess | 1 | 647 | 2,285 | 1,638 | 253% | 0.24 |
| Elmer Smith | KY | Daviess | 2 | 899 | 1,832 | 933 | 104% | 0.33 |
| Ghent | KY | Carroll | 1 | 11,031 | 3,023 | -8,008 | -73% | 0.67 |
| Ghent | KY | Carroll | 2 | 8,049 | 2,792 | -5,257 | -65% | 0.53 |
| Green River | KY | Muhlenberg | 1 | 6,080 | 5,794 | -286 | -5% | 3.88 |
| Green River | KY | Muhlenberg | 2 | 5,745 | 5,393 | -352 | -6% | 4.13 |
| H L Spurlock | KY | Mason | 1 | 9,260 | 1,402 | -7,857 | -85% | 0.92 |
| H L Spurlock | KY | Mason | 2 | 6,073 | 1,315 | -4,757 | -78% | 0.88 |
| Henderson I | KY | Henderson | 1 | | | | | |
| Henderson I | KY | Henderson | 2 | | | | | |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Kaw | | | | | | |
| La Cygne | 0.40 | -0.04 | -9% | 2,218 | 2,096 | -122 |
| La Cygne | 0.40 | -0.14 | -26% | 2,574 | 2,165 | -409 |
| Lawrence Energy Center | 0.19 | 0.07 | 60% | 1,081 | 821 | -260 |
| Lawrence Energy Center | 0.16 | 0.04 | 29% | 1,024 | 1,112 | 88 |
| Nearman Creek | 0.64 | 0.01 | 2% | 892 | 1,015 | 122 |
| Nearman Creek | 0.64 | -0.01 | -2% | 702 | 754 | 52 |
| Quindaro | 0.52 | -0.03 | -6% | 919 | 877 | -42 |
| Quindaro | 0.56 | -0.04 | -7% | 803 | 767 | -35 |
| Riverton | 1.67 | -0.21 | -11% | 311 | 265 | -46 |
| Riverton | 1.65 | -0.28 | -15% | 187 | 246 | 60 |
| Tecumseh Energy Center | 0.61 | 0.09 | 17% | 736 | 599 | -137 |
| Tecumseh Energy Center | 0.62 | 0.13 | 28% | 566 | 360 | -207 |
| Big Sandy | 1.38 | 0.03 | 2% | 6,001 | 1,428 | -4,573 |
| Big Sandy | 1.46 | -0.02 | -2% | 2,434 | 614 | -1,820 |
| Cane Run | 0.53 | -0.29 | -36% | 1,301 | 1,423 | 122 |
| Cane Run | 0.65 | -0.06 | -8% | 1,393 | 1,220 | -173 |
| Coleman | 0.15 | 0.00 | 0% | 1,346 | 1,419 | 73 |
| Coleman | | | | 1,141 | | |
| D B Wilson | 0.47 | -0.04 | -8% | 1,915 | 238 | -1,677 |
| D B Wilson | 0.52 | -0.02 | -4% | 857 | 246 | -611 |
| E W Brown | 2.55 | -0.03 | -1% | 1,938 | 1,374 | -564 |
| E W Brown | | | | 1,538 | | |
| East Bend | 0.09 | -0.07 | -43% | 1,368 | 687 | -680 |
| East Bend | 0.09 | 0.00 | -2% | 406 | 779 | 373 |
| Elmer Smith | 0.64 | 0.39 | 162% | 2,230 | 791 | -1,439 |
| Elmer Smith | 0.61 | 0.28 | 85% | 1,062 | 844 | -218 |
| Ghent | 0.17 | -0.50 | -75% | 5,628 | 2,402 | -3,226 |
| Ghent | 0.18 | -0.35 | -66% | 3,278 | 1,777 | -1,501 |
| Green River | 4.04 | 0.16 | 4% | 668 | 569 | -99 |
| Green River | 4.10 | -0.03 | -1% | 582 | 530 | -51 |
| H L Spurlock | 0.11 | -0.80 | -88% | 820 | 982 | 161 |
| H L Spurlock | 0.12 | -0.76 | -86% | 540 | 830 | 290 |
| Henderson I | | | | | | |
| Henderson I | | | | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Kaw | | | | | | |
| La Cygne | -5% | 0.19 | 0.18 | 0.00 | -2% | 23,868,854 |
| La Cygne | -16% | 0.24 | 0.18 | -0.06 | -27% | 21,238,141 |
| Lawrence Energy Center | -24% | 0.20 | 0.18 | -0.01 | -7% | 10,865,028 |
| Lawrence Energy Center | 9% | 0.20 | 0.24 | 0.04 | 18% | 10,260,970 |
| Nearman Creek | 14% | 0.37 | 0.39 | 0.02 | 5% | 4,789,456 |
| Nearman Creek | 7% | 0.38 | 0.38 | 0.00 | 0% | 3,727,067 |
| Quindaro | -5% | 0.50 | 0.54 | 0.05 | 9% | 3,689,361 |
| Quindaro | -4% | 0.48 | 0.47 | -0.01 | -2% | 3,373,758 |
| Riverton | -15% | 0.36 | 0.38 | 0.02 | 6% | 1,747,894 |
| Riverton | 32% | 0.39 | 0.37 | -0.02 | -6% | 953,122 |
| Tecumseh Energy Center | -19% | 0.33 | 0.31 | -0.02 | -7% | 4,471,329 |
| Tecumseh Energy Center | -36% | 0.33 | 0.26 | -0.07 | -21% | 3,461,423 |
| Big Sandy | -76% | 0.68 | 0.16 | -0.51 | -76% | 17,729,881 |
| Big Sandy | -75% | 0.46 | 0.10 | -0.36 | -78% | 10,530,334 |
| Cane Run | 9% | 0.35 | 0.35 | -0.01 | -3% | 7,331,514 |
| Cane Run | -12% | 0.37 | 0.36 | -0.01 | -3% | 7,564,878 |
| Coleman | 5% | 0.30 | 0.33 | 0.03 | 8% | 8,958,252 |
| Coleman | | 0.31 | | | | 7,324,887 |
| D B Wilson | -88% | 0.55 | 0.05 | -0.51 | -92% | 6,938,800 |
| D B Wilson | -71% | 0.17 | 0.06 | -0.12 | -67% | 9,965,574 |
| E W Brown | -29% | 0.36 | 0.35 | -0.01 | -4% | 10,785,452 |
| E W Brown | | 0.33 | | | | 9,306,569 |
| East Bend | -50% | 0.23 | 0.11 | -0.12 | -51% | 11,929,002 |
| East Bend | 92% | 0.09 | 0.16 | 0.07 | 72% | 8,813,096 |
| Elmer Smith | -65% | 0.84 | 0.22 | -0.62 | -74% | 5,319,244 |
| Elmer Smith | -21% | 0.39 | 0.28 | -0.11 | -28% | 5,496,364 |
| Ghent | -57% | 0.34 | 0.13 | -0.21 | -61% | 32,736,427 |
| Ghent | -46% | 0.22 | 0.11 | -0.10 | -47% | 30,301,295 |
| Green River | -15% | 0.43 | 0.40 | -0.03 | -7% | 3,130,768 |
| Green River | -9% | 0.42 | 0.40 | -0.01 | -4% | 2,779,374 |
| H L Spurlock | 20% | 0.08 | 0.08 | 0.00 | -2% | 20,202,718 |
| H L Spurlock | 54% | 0.08 | 0.08 | 0.00 | -4% | 13,795,822 |
| Henderson I | | | | | | |
| Henderson I | | | | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Kaw | | | |
| La Cygne | 23,000,329 | -868,525 | -4% |
| La Cygne | 24,387,448 | 3,149,307 | 15% |
| Lawrence Energy Center | 8,922,620 | -1,942,408 | -18% |
| Lawrence Energy Center | 9,452,045 | -808,925 | -8% |
| Nearman Creek | 5,178,289 | 388,833 | 8% |
| Nearman Creek | 4,014,658 | 287,592 | 8% |
| Quindaro | 3,222,286 | -467,075 | -13% |
| Quindaro | 3,280,645 | -93,113 | -3% |
| Riverton | 1,408,146 | -339,748 | -19% |
| Riverton | 1,343,308 | 390,185 | 41% |
| Tecumseh Energy Center | 3,925,365 | -545,964 | -12% |
| Tecumseh Energy Center | 2,800,037 | -661,386 | -19% |
| Big Sandy | 17,522,871 | -207,009 | -1% |
| Big Sandy | 11,954,065 | 1,423,731 | 14% |
| Cane Run | 8,228,959 | 897,445 | 12% |
| Cane Run | 6,852,142 | -712,735 | -9% |
| Coleman | 8,713,713 | -244,539 | -3% |
| Coleman | | | |
| D B Wilson | 10,571,087 | 3,632,287 | 52% |
| D B Wilson | 8,789,483 | -1,176,091 | -12% |
| E W Brown | 7,953,567 | -2,831,885 | -26% |
| E W Brown | | | |
| East Bend | 12,325,868 | 396,866 | 3% |
| East Bend | 9,804,016 | 990,920 | 11% |
| Elmer Smith | 7,174,863 | 1,855,619 | 35% |
| Elmer Smith | 6,054,005 | 557,641 | 10% |
| Ghent | 35,600,787 | 2,864,360 | 9% |
| Ghent | 31,074,440 | 773,145 | 3% |
| Green River | 2,867,482 | -263,286 | -8% |
| Green River | 2,627,922 | -151,452 | -5% |
| H L Spurlock | 24,784,457 | 4,581,739 | 23% |
| H L Spurlock | 22,010,403 | 8,214,580 | 60% |
| Henderson I | | | |
| Henderson I | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| HMP&L Station 2 | KY | Henderson | 1 | 1,058 | 1,249 | 191 | 18% | 0.31 |
| HMP&L Station 2 | KY | Henderson | 2 | 1,293 | | | | 0.38 |
| John S. Cooper | KY | Pulaski | 1 | 4,648 | 4,962 | 314 | 7% | 2.01 |
| John S. Cooper | KY | Pulaski | 2 | 4,844 | 3,284 | -1,560 | -32% | 2.10 |
| Mill Creek | KY | Jefferson | 1 | 7,802 | 6,117 | -1,685 | -22% | 0.59 |
| Mill Creek | KY | Jefferson | 2 | 6,497 | 6,831 | 334 | 5% | 0.53 |
| Paradise | KY | Muhlenberg | 1 | 9,812 | 10,563 | 751 | 8% | 0.48 |
| Paradise | KY | Muhlenberg | 2 | 4,946 | 8,001 | 3,055 | 62% | 0.33 |
| R D Green | KY | Webster | 1 | 1,089 | 686 | -403 | -37% | 0.20 |
| R D Green | KY | Webster | 2 | 780 | 674 | -106 | -14% | 0.16 |
| Robert Reid | KY | Webster | 1 | 2,702 | 1,956 | -745 | -28% | 4.68 |
| Robert Reid | KY | Webster | 2 | 568 | 556 | -12 | -2% | 4.76 |
| Shawnee | KY | McCracken | 1 | 9,152 | 6,641 | -2,511 | -27% | 0.73 |
| Shawnee | KY | McCracken | 2 | 9,369 | 6,818 | -2,551 | -27% | 0.72 |
| Trimble County | KY | Trimble | 1 | 338 | 300 | -38 | -11% | 0.07 |
| Trimble County | KY | Trimble | 2 | 312 | 495 | 183 | 59% | 0.06 |
| Tyrone | KY | Woodford | 1 | 1,105 | | | | 1.43 |
| Tyrone | KY | Woodford | 2 | 675 | 257 | -418 | -62% | 1.51 |
| William C. Dale | KY | Clark | 1 | 2,716 | 2,146 | -570 | -21% | 1.51 |
| William C. Dale | KY | Clark | 2 | 2,331 | 1,955 | -376 | -16% | 1.48 |
| Big Cajun 2 | LA | Pointe Coupee | 1 | 10,954 | 9,154 | -1,800 | -16% | 0.60 |
| Big Cajun 2 | LA | Pointe Coupee | 2 | 8,536 | 8,687 | 151 | 2% | 0.54 |
| Dolet Hills Power Station | LA | De Soto | 1 | 4,318 | 6,365 | 2,047 | 47% | 0.59 |
| Dolet Hills Power Station | LA | De Soto | 2 | 2,556 | 5,031 | 2,475 | 97% | 0.54 |
| R S Nelson | LA | Calcasieu | 1 | 2,121 | 3,948 | 1,828 | 86% | 0.74 |
| R S Nelson | LA | Calcasieu | 2 | 4,848 | 2,006 | -2,842 | -59% | 0.76 |
| Rodemacher Power Station (6190) | LA | Rapides | 1 | 2,116 | 1,781 | -335 | -16% | 0.61 |
| Rodemacher Power Station (6190) | LA | Rapides | 2 | 2,610 | 3,237 | 627 | 24% | 0.60 |
| Brayton Point | MA | Bristol | 1 | 8,316 | 7,674 | -641 | -8% | 0.89 |
| Brayton Point | MA | Bristol | 2 | 7,549 | 6,662 | -887 | -12% | 0.95 |
| Mount Tom | MA | Hampden | 1 | 1,212 | 249 | -963 | -79% | 0.77 |
| Mount Tom | MA | Hampden | 2 | 883 | 119 | -765 | -87% | 0.76 |
| Salem Harbor | MA | Essex | 1 | 11 | 1,753 | 1,742 | 15528% | 0.62 |
| Salem Harbor | MA | Essex | 2 | 933 | 1,189 | 256 | 27% | 0.67 |
| Somerset | MA | Bristol | 1 | 719 | 1 | -719 | -100% | 0.64 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| HMP&L Station 2 | 0.41 | 0.09 | 30% | 1,640 | 222 | -1,418 |
| HMP&L Station 2 | | | | 710 | | |
| John S. Cooper | 2.06 | 0.05 | 3% | 1,108 | 1,097 | -11 |
| John S. Cooper | 1.91 | -0.19 | -9% | 1,127 | 773 | -354 |
| Mill Creek | 0.49 | -0.09 | -16% | 4,712 | 2,247 | -2,465 |
| Mill Creek | 0.50 | -0.03 | -5% | 2,508 | 2,172 | -336 |
| Paradise | 0.56 | 0.08 | 17% | 20,888 | 3,693 | -17,195 |
| Paradise | 0.50 | 0.18 | 54% | 7,306 | 2,615 | -4,691 |
| R D Green | 0.14 | -0.07 | -33% | 2,109 | 975 | -1,134 |
| R D Green | 0.14 | -0.01 | -9% | 1,086 | 990 | -96 |
| Robert Reid | 4.61 | -0.08 | -2% | 254 | 250 | -4 |
| Robert Reid | 4.51 | -0.25 | -5% | 67 | 57 | -10 |
| Shawnee | 0.63 | -0.11 | -15% | 5,023 | 3,733 | -1,289 |
| Shawnee | 0.65 | -0.07 | -9% | 5,352 | 3,650 | -1,701 |
| Trimble County | 0.08 | 0.01 | 13% | 1,604 | 273 | -1,331 |
| Trimble County | 0.12 | 0.06 | 92% | 638 | 228 | -410 |
| Tyrone | | | | 343 | | |
| Tyrone | 1.33 | -0.18 | -12% | 198 | 94 | -104 |
| William C. Dale | 1.41 | -0.09 | -6% | 709 | 590 | -120 |
| William C. Dale | 1.41 | -0.07 | -5% | 620 | 548 | -73 |
| Big Cajun 2 | 0.57 | -0.03 | -5% | 3,420 | 3,006 | -415 |
| Big Cajun 2 | 0.59 | 0.05 | 9% | 2,897 | 2,744 | -153 |
| Dolet Hills Power Station | 0.92 | 0.33 | 56% | 1,324 | 1,318 | -5 |
| Dolet Hills Power Station | 0.97 | 0.43 | 80% | 1,040 | 1,004 | -36 |
| R S Nelson | 0.75 | 0.01 | 1% | 612 | 1,286 | 673 |
| R S Nelson | 0.82 | 0.06 | 8% | 1,368 | 474 | -894 |
| Rodemacher Power Station (6190) | 0.49 | -0.12 | -20% | 1,312 | 544 | -768 |
| Rodemacher Power Station (6190) | 0.44 | -0.16 | -26% | 1,641 | 873 | -768 |
| Brayton Point | 0.85 | -0.05 | -5% | 1,840 | 1,619 | -221 |
| Brayton Point | 0.89 | -0.06 | -7% | 1,194 | 1,343 | 148 |
| Mount Tom | 0.30 | -0.48 | -62% | 210 | 119 | -91 |
| Mount Tom | 0.22 | -0.53 | -71% | 113 | 47 | -66 |
| Salem Harbor | 0.84 | 0.22 | 35% | 2 | 319 | 316 |
| Salem Harbor | 0.87 | 0.20 | 31% | 176 | 197 | 22 |
| Somerset | 0.28 | -0.36 | -56% | 142 | 0 | -142 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| HMP&L Station 2 | -86% | 0.49 | 0.07 | -0.41 | -85% | 6,730,756 |
| HMP&L Station 2 | | 0.21 | | | | 6,777,366 |
| John S. Cooper | -1% | 0.48 | 0.46 | -0.02 | -5% | 4,627,614 |
| John S. Cooper | -31% | 0.49 | 0.45 | -0.04 | -8% | 4,612,688 |
| Mill Creek | -52% | 0.36 | 0.18 | -0.17 | -49% | 26,497,361 |
| Mill Creek | -13% | 0.20 | 0.16 | -0.04 | -22% | 24,625,275 |
| Paradise | -82% | 1.01 | 0.19 | -0.82 | -81% | 41,247,612 |
| Paradise | -64% | 0.48 | 0.16 | -0.32 | -66% | 30,316,923 |
| R D Green | -54% | 0.39 | 0.20 | -0.20 | -51% | 10,685,319 |
| R D Green | -9% | 0.22 | 0.21 | -0.01 | -4% | 9,839,756 |
| Robert Reid | -2% | 0.44 | 0.59 | 0.15 | 34% | 1,154,124 |
| Robert Reid | -15% | 0.56 | 0.46 | -0.10 | -18% | 238,544 |
| Shawnee | -26% | 0.40 | 0.35 | -0.05 | -13% | 24,907,532 |
| Shawnee | -32% | 0.41 | 0.35 | -0.06 | -15% | 26,048,854 |
| Trimble County | -83% | 0.33 | 0.07 | -0.26 | -78% | 9,814,165 |
| Trimble County | -64% | 0.12 | 0.05 | -0.07 | -57% | 10,391,661 |
| Tyrone | | 0.44 | | | | 1,550,852 |
| Tyrone | -53% | 0.44 | 0.49 | 0.04 | 10% | 894,753 |
| William C. Dale | -17% | 0.39 | 0.39 | 0.00 | -1% | 3,605,274 |
| William C. Dale | -12% | 0.39 | 0.40 | 0.00 | 0% | 3,141,455 |
| Big Cajun 2 | -12% | 0.19 | 0.19 | 0.00 | 0% | 36,702,365 |
| Big Cajun 2 | -5% | 0.18 | 0.19 | 0.00 | 2% | 31,704,217 |
| Dolet Hills Power Station | 0% | 0.18 | 0.19 | 0.01 | 6% | 14,650,834 |
| Dolet Hills Power Station | -3% | 0.22 | 0.19 | -0.03 | -12% | 9,544,593 |
| R S Nelson | 110% | 0.21 | 0.24 | 0.03 | 14% | 5,723,978 |
| R S Nelson | -65% | 0.21 | 0.19 | -0.02 | -9% | 12,818,556 |
| Rodemacher Power Station (6190) | -59% | 0.38 | 0.15 | -0.23 | -61% | 6,894,374 |
| Rodemacher Power Station (6190) | -47% | 0.38 | 0.12 | -0.26 | -68% | 8,671,481 |
| Brayton Point | -12% | 0.20 | 0.18 | -0.02 | -10% | 18,603,208 |
| Brayton Point | 12% | 0.15 | 0.18 | 0.03 | 19% | 15,892,387 |
| Mount Tom | -43% | 0.13 | 0.14 | 0.01 | 5% | 3,133,485 |
| Mount Tom | -58% | 0.10 | 0.09 | -0.01 | -9% | 2,336,586 |
| Salem Harbor | 12769% | 0.14 | 0.15 | 0.02 | 11% | 36,105 |
| Salem Harbor | 12% | 0.13 | 0.14 | 0.02 | 15% | 2,800,946 |
| Somerset | -100% | 0.13 | 0.13 | 0.00 | 0% | 2,250,833 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| HMP&L Station 2 | 6,112,739 | -618,017 | -9% |
| HMP&L Station 2 | | | |
| John S. Cooper | 4,816,696 | 189,082 | 4% |
| John S. Cooper | 3,438,539 | -1,174,150 | -25% |
| Mill Creek | 24,763,283 | -1,734,078 | -7% |
| Mill Creek | 27,234,953 | 2,609,678 | 11% |
| Paradise | 37,902,872 | -3,344,740 | -8% |
| Paradise | 31,841,544 | 1,524,621 | 5% |
| R D Green | 9,977,098 | -708,221 | -7% |
| R D Green | 9,386,374 | -453,382 | -5% |
| Robert Reid | 849,533 | -304,591 | -26% |
| Robert Reid | 246,352 | 7,808 | 3% |
| Shawnee | 21,168,602 | -3,738,930 | -15% |
| Shawnee | 20,840,362 | -5,208,492 | -20% |
| Trimble County | 7,673,687 | -2,140,477 | -22% |
| Trimble County | 8,566,478 | -1,825,183 | -18% |
| Tyrone | | | |
| Tyrone | 386,824 | -507,929 | -57% |
| William C. Dale | 3,034,642 | -570,632 | -16% |
| William C. Dale | 2,769,908 | -371,547 | -12% |
| Big Cajun 2 | 32,228,585 | -4,473,780 | -12% |
| Big Cajun 2 | 29,496,425 | -2,207,792 | -7% |
| Dolet Hills Power Station | 13,816,705 | -834,129 | -6% |
| Dolet Hills Power Station | 10,414,096 | 869,503 | 9% |
| R S Nelson | 10,582,486 | 4,858,508 | 85% |
| R S Nelson | 4,907,692 | -7,910,864 | -62% |
| Rodemacher Power Station (6190) | 7,284,362 | 389,988 | 6% |
| Rodemacher Power Station (6190) | 14,629,131 | 5,957,650 | 69% |
| Brayton Point | 18,089,996 | -513,212 | -3% |
| Brayton Point | 15,025,609 | -866,778 | -5% |
| Mount Tom | 1,689,431 | -1,444,055 | -46% |
| Mount Tom | 1,069,481 | -1,267,106 | -54% |
| Salem Harbor | 4,184,373 | 4,148,268 | 11490% |
| Salem Harbor | 2,732,554 | -68,391 | -2% |
| Somerset | 3,878 | -2,246,955 | -100% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Somerset | MA | Bristol | 2 | 577 | | | | 0.59 |
| Brandon Shores | MD | Anne Arundel | 1 | 11,011 | 281 | -10,730 | -97% | 1.06 |
| Brandon Shores | MD | Anne Arundel | 2 | 10,445 | 300 | -10,146 | -97% | 1.04 |
| C P Crane | MD | Baltimore | 1 | 7,619 | 3,028 | -4,592 | -60% | 2.82 |
| C P Crane | MD | Baltimore | 2 | 3,824 | 898 | -2,926 | -77% | 2.43 |
| Herbert A Wagner | MD | Anne Arundel | 1 | 4,204 | 2,890 | -1,314 | -31% | 1.24 |
| Herbert A Wagner | MD | Anne Arundel | 2 | 2,735 | 2,382 | -353 | -13% | 1.33 |
| Mirant Chalk Point | MD | Prince George's | 1 | 12,039 | 482 | -11,557 | -96% | 2.01 |
| Mirant Chalk Point | MD | Prince George's | 2 | 9,761 | 606 | -9,155 | -94% | 2.12 |
| Mirant Dickerson | MD | Montgomery | 1 | 9,027 | 415 | -8,612 | -95% | 2.22 |
| Mirant Dickerson | MD | Montgomery | 2 | 5,992 | 1,429 | -4,563 | -76% | 2.36 |
| Mirant Morgantown | MD | Charles | 1 | 19,942 | 2,527 | -17,416 | -87% | 2.40 |
| Mirant Morgantown | MD | Charles | 2 | 14,590 | 343 | -14,247 | -98% | 2.44 |
| R. Paul Smith Power Station | MD | Washington | 1 | 1,141 | 570 | -571 | -50% | 1.43 |
| R. Paul Smith Power Station | MD | Washington | 2 | 747 | 281 | -466 | -62% | 1.43 |
| B C Cobb | MI | Muskegon | 1 | 2,645 | 2,868 | 224 | 8% | 1.07 |
| B C Cobb | MI | Muskegon | 2 | 2,321 | 2,409 | 88 | 4% | 1.07 |
| Belle River | MI | Saint Clair | 1 | 6,582 | 5,196 | -1,387 | -21% | 0.56 |
| Belle River | MI | Saint Clair | 2 | 6,394 | 6,615 | 221 | 3% | 0.57 |
| Dan E Karn | MI | Bay | 1 | 1,978 | 3,009 | 1,031 | 52% | 0.85 |
| Dan E Karn | MI | Bay | 2 | 3,621 | 3,763 | 142 | 4% | 0.89 |
| Eckert Station | MI | Ingham | 1 | 1,498 | 1,482 | -16 | -1% | 0.51 |
| Eckert Station | MI | Ingham | 2 | 1,694 | 1,275 | -418 | -25% | 0.59 |
| Endicott Generating | MI | Hillsdale | 1 | 309 | 329 | 19 | 6% | 0.39 |
| Endicott Generating | MI | Hillsdale | 2 | 158 | 363 | 204 | 129% | 0.24 |
| Erickson | MI | Eaton | 1 | 865 | 776 | -88 | -10% | 0.47 |
| Erickson | MI | Eaton | 2 | 766 | 736 | -30 | -4% | 0.54 |
| Harbor Beach | MI | Huron | 1 | 512 | 460 | -53 | -10% | 1.26 |
| Harbor Beach | MI | Huron | 2 | 482 | 349 | -133 | -28% | 1.26 |
| J B Sims | MI | Ottawa | 1 | 170 | 33 | -137 | -81% | 0.34 |
| J B Sims | MI | Ottawa | 2 | 105 | 73 | -32 | -30% | 0.22 |
| J C Weadock | MI | Bay | 1 | 2,374 | 1,542 | -832 | -35% | 0.90 |
| J C Weadock | MI | Bay | 2 | 2,151 | 2,137 | -14 | -1% | 0.92 |
| J H Campbell | MI | Ottawa | 1 | 9,007 | 9,368 | 360 | 4% | 0.66 |
| J H Campbell | MI | Ottawa | 2 | 8,406 | 7,511 | -895 | -11% | 0.74 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Somerset | | | | 124 | | |
| Brandon Shores | 0.04 | -1.02 | -97% | 5,288 | 802 | -4,486 |
| Brandon Shores | 0.04 | -1.00 | -96% | 2,183 | 802 | -1,380 |
| C P Crane | 2.47 | -0.34 | -12% | 1,555 | 485 | -1,070 |
| C P Crane | 1.26 | -1.17 | -48% | 725 | 398 | -327 |
| Herbert A Wagner | 1.03 | -0.21 | -17% | 1,236 | 387 | -849 |
| Herbert A Wagner | 1.07 | -0.26 | -19% | 632 | 362 | -270 |
| Mirant Chalk Point | 0.08 | -1.93 | -96% | 2,748 | 1,019 | -1,729 |
| Mirant Chalk Point | 0.15 | -1.97 | -93% | 1,263 | 902 | -361 |
| Mirant Dickerson | 0.10 | -2.12 | -96% | 1,493 | 1,236 | -257 |
| Mirant Dickerson | 0.38 | -1.98 | -84% | 756 | 939 | 183 |
| Mirant Morgantown | 0.26 | -2.14 | -89% | 1,584 | 659 | -925 |
| Mirant Morgantown | 0.05 | -2.39 | -98% | 305 | 334 | 28 |
| R. Paul Smith Power Station | 1.46 | 0.03 | 2% | 326 | 143 | -184 |
| R. Paul Smith Power Station | 1.25 | -0.18 | -12% | 197 | 75 | -123 |
| B C Cobb | 1.08 | 0.02 | 2% | 664 | 734 | 70 |
| B C Cobb | 1.16 | 0.08 | 8% | 624 | 651 | 28 |
| Belle River | 0.59 | 0.04 | 6% | 2,587 | 1,956 | -632 |
| Belle River | 0.60 | 0.02 | 4% | 2,655 | 2,330 | -324 |
| Dan E Karn | 0.85 | 0.00 | 0% | 827 | 252 | -575 |
| Dan E Karn | 0.91 | 0.02 | 2% | 605 | 325 | -281 |
| Eckert Station | 0.46 | -0.05 | -10% | 609 | 612 | 3 |
| Eckert Station | 0.53 | -0.06 | -10% | 587 | 487 | -99 |
| Endicott Generating | 0.62 | 0.23 | 60% | 143 | 96 | -47 |
| Endicott Generating | 0.56 | 0.32 | 132% | 115 | 157 | 42 |
| Erickson | 0.50 | 0.02 | 5% | 349 | 341 | -8 |
| Erickson | 0.45 | -0.09 | -17% | 276 | 290 | 14 |
| Harbor Beach | 1.27 | 0.01 | 1% | 295 | 190 | -105 |
| Harbor Beach | 1.19 | -0.08 | -6% | 287 | 163 | -124 |
| J B Sims | 0.08 | -0.25 | -75% | 144 | 105 | -38 |
| J B Sims | 0.16 | -0.06 | -27% | 109 | 123 | 14 |
| J C Weadock | 0.98 | 0.08 | 9% | 838 | 537 | -301 |
| J C Weadock | 1.12 | 0.20 | 21% | 806 | 625 | -181 |
| J H Campbell | 0.66 | -0.01 | -1% | 3,926 | 3,934 | 8 |
| J H Campbell | 0.73 | -0.01 | -1% | 2,024 | 2,088 | 64 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Somerset | | 0.13 | | | | 1,962,863 |
| Brandon Shores | -85% | 0.51 | 0.10 | -0.40 | -79% | 20,861,595 |
| Brandon Shores | -63% | 0.22 | 0.10 | -0.12 | -54% | 20,132,567 |
| C P Crane | -69% | 0.57 | 0.40 | -0.18 | -31% | 5,411,892 |
| C P Crane | -45% | 0.46 | 0.56 | 0.10 | 21% | 3,140,718 |
| Herbert A Wagner | -69% | 0.36 | 0.14 | -0.23 | -62% | 6,794,387 |
| Herbert A Wagner | -43% | 0.31 | 0.16 | -0.14 | -47% | 4,107,435 |
| Mirant Chalk Point | -63% | 0.46 | 0.18 | -0.28 | -62% | 11,988,052 |
| Mirant Chalk Point | -29% | 0.27 | 0.22 | -0.05 | -19% | 9,214,486 |
| Mirant Dickerson | -17% | 0.37 | 0.29 | -0.08 | -21% | 8,143,944 |
| Mirant Dickerson | 24% | 0.30 | 0.25 | -0.05 | -16% | 5,079,853 |
| Mirant Morgantown | -58% | 0.19 | 0.07 | -0.12 | -65% | 16,652,108 |
| Mirant Morgantown | 9% | 0.05 | 0.04 | -0.01 | -13% | 11,963,437 |
| R. Paul Smith Power Station | -56% | 0.41 | 0.37 | -0.04 | -10% | 1,598,336 |
| R. Paul Smith Power Station | -62% | 0.38 | 0.33 | -0.05 | -12% | 1,044,188 |
| B C Cobb | 11% | 0.27 | 0.28 | 0.01 | 4% | 4,965,152 |
| B C Cobb | 4% | 0.29 | 0.31 | 0.02 | 9% | 4,331,858 |
| Belle River | -24% | 0.22 | 0.22 | 0.00 | 2% | 23,582,976 |
| Belle River | -12% | 0.24 | 0.21 | -0.03 | -11% | 22,340,955 |
| Dan E Karn | -70% | 0.36 | 0.07 | -0.28 | -80% | 4,650,800 |
| Dan E Karn | -46% | 0.15 | 0.08 | -0.07 | -47% | 8,092,116 |
| Eckert Station | 1% | 0.21 | 0.19 | -0.02 | -9% | 5,822,738 |
| Eckert Station | -17% | 0.21 | 0.20 | 0.00 | -1% | 5,722,992 |
| Endicott Generating | -33% | 0.18 | 0.18 | 0.00 | 1% | 1,601,491 |
| Endicott Generating | 36% | 0.18 | 0.24 | 0.07 | 38% | 1,310,087 |
| Erickson | -2% | 0.19 | 0.22 | 0.03 | 14% | 3,652,800 |
| Erickson | 5% | 0.19 | 0.18 | -0.02 | -9% | 2,837,061 |
| Harbor Beach | -35% | 0.72 | 0.52 | -0.20 | -27% | 816,284 |
| Harbor Beach | -43% | 0.75 | 0.56 | -0.20 | -26% | 762,260 |
| J B Sims | -27% | 0.29 | 0.27 | -0.02 | -6% | 1,003,914 |
| J B Sims | 13% | 0.22 | 0.26 | 0.04 | 18% | 972,286 |
| J C Weadock | -36% | 0.32 | 0.34 | 0.02 | 7% | 5,265,930 |
| J C Weadock | -22% | 0.35 | 0.33 | -0.02 | -5% | 4,669,428 |
| J H Campbell | 0% | 0.29 | 0.28 | -0.01 | -4% | 27,203,832 |
| J H Campbell | 3% | 0.18 | 0.20 | 0.02 | 14% | 22,710,289 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Somerset | | | |
| Brandon Shores | 15,419,527 | -5,442,068 | -26% |
| Brandon Shores | 16,145,152 | -3,987,415 | -20% |
| C P Crane | 2,450,003 | -2,961,889 | -55% |
| C P Crane | 1,420,756 | -1,719,963 | -55% |
| Herbert A Wagner | 5,637,982 | -1,156,405 | -17% |
| Herbert A Wagner | 4,431,638 | 324,203 | 8% |
| Mirant Chalk Point | 11,618,640 | -369,412 | -3% |
| Mirant Chalk Point | 8,105,359 | -1,109,127 | -12% |
| Mirant Dickerson | 8,568,200 | 424,255 | 5% |
| Mirant Dickerson | 7,538,860 | 2,459,006 | 48% |
| Mirant Morgantown | 19,741,530 | 3,089,422 | 19% |
| Mirant Morgantown | 15,099,490 | 3,136,054 | 26% |
| R. Paul Smith Power Station | 779,829 | -818,507 | -51% |
| R. Paul Smith Power Station | 448,513 | -595,675 | -57% |
| B C Cobb | 5,292,618 | 327,467 | 7% |
| B C Cobb | 4,169,634 | -162,224 | -4% |
| Belle River | 17,481,250 | -6,101,727 | -26% |
| Belle River | 22,148,014 | -192,941 | -1% |
| Dan E Karn | 7,053,125 | 2,402,326 | 52% |
| Dan E Karn | 8,260,743 | 168,628 | 2% |
| Eckert Station | 6,399,730 | 576,992 | 10% |
| Eckert Station | 4,814,229 | -908,763 | -16% |
| Endicott Generating | 1,065,819 | -535,672 | -33% |
| Endicott Generating | 1,292,963 | -17,124 | -1% |
| Erickson | 3,129,541 | -523,259 | -14% |
| Erickson | 3,276,674 | 439,613 | 15% |
| Harbor Beach | 726,498 | -89,786 | -11% |
| Harbor Beach | 586,761 | -175,500 | -23% |
| J B Sims | 781,602 | -222,312 | -22% |
| J B Sims | 929,984 | -42,302 | -4% |
| J C Weadock | 3,147,725 | -2,118,205 | -40% |
| J C Weadock | 3,824,789 | -844,639 | -18% |
| J H Campbell | 28,526,310 | 1,322,478 | 5% |
| J H Campbell | 20,553,692 | -2,156,597 | -9% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| J R Whiting | MI | Monroe | 1 | 2,370 | 1,707 | -663 | -28% | 0.75 |
| J R Whiting | MI | Monroe | 2 | 2,071 | 2,123 | 52 | 3% | 0.62 |
| James De Young | MI | Ottawa | 1 | 332 | 236 | -97 | -29% | 1.36 |
| James De Young | MI | Ottawa | 2 | 290 | 224 | -66 | -23% | 1.26 |
| Marysville | MI | Saint Clair | 1 | | | | | |
| Marysville | MI | Saint Clair | 2 | | | | | |
| Monroe | MI | Monroe | 1 | 26,729 | 12,582 | -14,147 | -53% | 1.26 |
| Monroe | MI | Monroe | 2 | 32,380 | 7,942 | -24,437 | -75% | 1.37 |
| Presque Isle | MI | Marquette | 1 | 3,414 | 2,219 | -1,196 | -35% | 0.66 |
| Presque Isle | MI | Marquette | 2 | 3,150 | 1,890 | -1,260 | -40% | 0.66 |
| River Rouge | MI | Wayne | 1 | 3,724 | 3,888 | 164 | 4% | 0.81 |
| River Rouge | MI | Wayne | 2 | 3,587 | 3,930 | 342 | 10% | 0.86 |
| Shiras | MI | Marquette | 1 | 53 | 26 | -27 | -51% | 0.09 |
| Shiras | MI | Marquette | 2 | 49 | 53 | 4 | 7% | 0.10 |
| St. Clair | MI | Saint Clair | 1 | 9,292 | 7,723 | -1,569 | -17% | 0.99 |
| St. Clair | MI | Saint Clair | 2 | 8,992 | 9,763 | 771 | 9% | 1.01 |
| Trenton Channel | MI | Wayne | 1 | 8,320 | 2,191 | -6,129 | -74% | 1.35 |
| Trenton Channel | MI | Wayne | 2 | 6,540 | 6,686 | 146 | 2% | 1.41 |
| Wyandotte | MI | Wayne | 1 | 482 | 306 | -177 | -37% | 0.74 |
| Wyandotte | MI | Wayne | 2 | 428 | 235 | -192 | -45% | 0.80 |
| Allen S King | MN | Washington | 1 | 619 | 393 | -225 | -36% | 0.16 |
| Allen S King | MN | Washington | 2 | 341 | 394 | 52 | 15% | 0.09 |
| Black Dog | MN | Dakota | 1 | 963 | 804 | -159 | -17% | 0.38 |
| Black Dog | MN | Dakota | 2 | 626 | 865 | 239 | 38% | 0.36 |
| Boswell Energy Center | MN | Itasca | 1 | 5,587 | 1,865 | -3,722 | -67% | 0.47 |
| Boswell Energy Center | MN | Itasca | 2 | 5,413 | 1,548 | -3,864 | -71% | 0.74 |
| Hoot Lake | MN | Otter Tail | 1 | 789 | 1,009 | 220 | 28% | 0.53 |
| Hoot Lake | MN | Otter Tail | 2 | 452 | 863 | 411 | 91% | 0.59 |
| Laskin Energy Center | MN | Saint Louis | 1 | 367 | 181 | -186 | -51% | 0.31 |
| Laskin Energy Center | MN | Saint Louis | 2 | 339 | 117 | -222 | -65% | 0.35 |
| Minnesota Valley | MN | Chippewa | 1 | | | | | |
| Minnesota Valley | MN | Chippewa | 2 | | | | | |
| Northeast Station | MN | Mower | 1 | 314 | | | | 1.89 |
| Northeast Station | MN | Mower | 2 | 94 | 43 | -51 | -54% | 2.00 |
| Riverside (1927) | MN | Hennepin | 1 | 3,147 | | | | 0.91 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| J R Whiting | 0.65 | -0.10 | -13% | 750 | 591 | -159 |
| J R Whiting | 0.72 | 0.10 | 16% | 802 | 686 | -116 |
| James De Young | 0.95 | -0.41 | -30% | 103 | 106 | 3 |
| James De Young | 0.97 | -0.29 | -23% | 101 | 97 | -4 |
| Marysville | | | | | | |
| Marysville | | | | | | |
| Monroe | 0.51 | -0.75 | -59% | 10,509 | 4,406 | -6,102 |
| Monroe | 0.39 | -0.98 | -72% | 7,334 | 2,784 | -4,551 |
| Presque Isle | 0.62 | -0.04 | -7% | 1,921 | 1,409 | -512 |
| Presque Isle | 0.56 | -0.09 | -14% | 1,755 | 1,300 | -454 |
| River Rouge | 0.82 | 0.00 | 0% | 1,593 | 1,199 | -393 |
| River Rouge | 0.84 | -0.01 | -1% | 1,352 | 1,244 | -107 |
| Shiras | 0.06 | -0.03 | -37% | 70 | 66 | -4 |
| Shiras | 0.14 | 0.04 | 38% | 74 | 55 | -19 |
| St. Clair | 0.86 | -0.14 | -14% | 2,753 | 2,315 | -438 |
| St. Clair | 1.04 | 0.03 | 3% | 2,614 | 2,385 | -229 |
| Trenton Channel | 1.42 | 0.06 | 5% | 1,450 | 700 | -749 |
| Trenton Channel | 1.37 | -0.04 | -3% | 1,145 | 1,420 | 275 |
| Wyandotte | 0.71 | -0.03 | -4% | 195 | 139 | -56 |
| Wyandotte | 0.65 | -0.15 | -18% | 165 | 90 | -75 |
| Allen S King | 0.10 | -0.06 | -38% | 638 | 346 | -292 |
| Allen S King | 0.10 | 0.01 | 6% | 324 | 351 | 26 |
| Black Dog | 0.43 | 0.06 | 15% | 1,783 | 1,633 | -151 |
| Black Dog | 0.43 | 0.07 | 19% | 1,203 | 1,821 | 618 |
| Boswell Energy Center | 0.18 | -0.29 | -62% | 4,621 | 2,424 | -2,197 |
| Boswell Energy Center | 0.16 | -0.58 | -79% | 2,732 | 1,758 | -974 |
| Hoot Lake | 0.71 | 0.19 | 35% | 441 | 240 | -201 |
| Hoot Lake | 0.65 | 0.06 | 11% | 151 | 246 | 95 |
| Laskin Energy Center | 0.20 | -0.12 | -37% | 236 | 164 | -72 |
| Laskin Energy Center | 0.15 | -0.20 | -57% | 190 | 145 | -45 |
| Minnesota Valley | | | | | | |
| Minnesota Valley | | | | | | |
| Northeast Station | | | | 62 | | |
| Northeast Station | 1.69 | -0.31 | -16% | 19 | 12 | -7 |
| Riverside (1927) | | | | 3,126 | | |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| J R Whiting | -21% | 0.24 | 0.23 | -0.01 | -5% | 6,305,323 |
| J R Whiting | -15% | 0.24 | 0.23 | -0.01 | -3% | 6,726,285 |
| James De Young | 3% | 0.42 | 0.43 | 0.01 | 2% | 489,932 |
| James De Young | -4% | 0.44 | 0.42 | -0.02 | -4% | 460,938 |
| Marysville | | | | | | |
| Marysville | | | | | | |
| Monroe | -58% | 0.49 | 0.18 | -0.32 | -64% | 42,553,853 |
| Monroe | -62% | 0.31 | 0.14 | -0.17 | -56% | 47,189,674 |
| Presque Isle | -27% | 0.37 | 0.39 | 0.02 | 5% | 10,338,427 |
| Presque Isle | -26% | 0.37 | 0.39 | 0.02 | 6% | 9,613,204 |
| River Rouge | -25% | 0.35 | 0.25 | -0.10 | -28% | 9,142,758 |
| River Rouge | -8% | 0.32 | 0.27 | -0.06 | -17% | 8,386,643 |
| Shiras | -6% | 0.12 | 0.14 | 0.02 | 21% | 1,190,424 |
| Shiras | -26% | 0.16 | 0.15 | -0.01 | -5% | 945,246 |
| St. Clair | -16% | 0.29 | 0.26 | -0.04 | -13% | 18,717,287 |
| St. Clair | -9% | 0.29 | 0.25 | -0.04 | -14% | 17,804,682 |
| Trenton Channel | -52% | 0.24 | 0.45 | 0.22 | 92% | 12,294,202 |
| Trenton Channel | 24% | 0.25 | 0.29 | 0.04 | 18% | 9,273,024 |
| Wyandotte | -29% | 0.30 | 0.32 | 0.02 | 8% | 1,306,066 |
| Wyandotte | -46% | 0.31 | 0.25 | -0.06 | -19% | 1,067,124 |
| Allen S King | -46% | 0.16 | 0.08 | -0.08 | -48% | 7,910,028 |
| Allen S King | 8% | 0.09 | 0.09 | 0.00 | -1% | 7,410,362 |
| Black Dog | -8% | 0.70 | 0.88 | 0.18 | 26% | 5,130,721 |
| Black Dog | 51% | 0.69 | 0.91 | 0.21 | 31% | 3,472,225 |
| Boswell Energy Center | -48% | 0.39 | 0.23 | -0.15 | -40% | 23,843,507 |
| Boswell Energy Center | -36% | 0.37 | 0.18 | -0.19 | -52% | 14,602,904 |
| Hoot Lake | -46% | 0.30 | 0.17 | -0.12 | -42% | 2,990,959 |
| Hoot Lake | 63% | 0.20 | 0.19 | -0.01 | -5% | 1,533,235 |
| Laskin Energy Center | -31% | 0.20 | 0.18 | -0.02 | -12% | 2,356,556 |
| Laskin Energy Center | -24% | 0.19 | 0.18 | -0.01 | -6% | 1,951,782 |
| Minnesota Valley | | | | | | |
| Minnesota Valley | | | | | | |
| Northeast Station | | 0.37 | | | | 332,482 |
| Northeast Station | -38% | 0.40 | 0.46 | 0.06 | 15% | 94,294 |
| Riverside (1927) | | 0.91 | | | | 6,879,951 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| J R Whiting | 5,239,419 | -1,065,904 | -17% |
| J R Whiting | 5,923,656 | -802,629 | -12% |
| James De Young | 495,985 | 6,052 | 1% |
| James De Young | 462,666 | 1,728 | 0% |
| Marysville | | | |
| Marysville | | | |
| Monroe | 49,276,363 | 6,722,510 | 16% |
| Monroe | 40,963,917 | -6,225,757 | -13% |
| Presque Isle | 7,203,912 | -3,134,514 | -30% |
| Presque Isle | 6,739,939 | -2,873,265 | -30% |
| River Rouge | 9,524,071 | 381,313 | 4% |
| River Rouge | 9,321,801 | 935,159 | 11% |
| Shiras | 924,283 | -266,141 | -22% |
| Shiras | 738,290 | -206,956 | -22% |
| St. Clair | 18,056,368 | -660,919 | -4% |
| St. Clair | 18,837,494 | 1,032,812 | 6% |
| Trenton Channel | 3,097,287 | -9,196,915 | -75% |
| Trenton Channel | 9,779,566 | 506,542 | 5% |
| Wyandotte | 861,329 | -444,737 | -34% |
| Wyandotte | 719,972 | -347,152 | -33% |
| Allen S King | 8,174,645 | 264,618 | 3% |
| Allen S King | 8,065,216 | 654,854 | 9% |
| Black Dog | 3,730,836 | -1,399,885 | -27% |
| Black Dog | 4,016,597 | 544,372 | 16% |
| Boswell Energy Center | 20,738,782 | -3,104,724 | -13% |
| Boswell Energy Center | 19,548,242 | 4,945,338 | 34% |
| Hoot Lake | 2,824,389 | -166,570 | -6% |
| Hoot Lake | 2,640,441 | 1,107,207 | 72% |
| Laskin Energy Center | 1,849,082 | -507,474 | -22% |
| Laskin Energy Center | 1,577,187 | -374,594 | -19% |
| Minnesota Valley | | | |
| Minnesota Valley | | | |
| Northeast Station | | | |
| Northeast Station | 51,008 | -43,286 | -46% |
| Riverside (1927) | | | |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Riverside (1927) | MN | Hennepin | 2 | 1,968 | | | | 0.92 |
| Sherburne County | MN | Sherburne | 1 | 6,703 | 6,337 | -367 | -5% | 0.31 |
| Sherburne County | MN | Sherburne | 2 | 6,549 | 5,450 | -1,099 | -17% | 0.31 |
| Silver Lake | MN | Olmsted | 1 | 478 | | | | 1.51 |
| Silver Lake | MN | Olmsted | 2 | 287 | 6 | -281 | -98% | 1.32 |
| Taconite Harbor Energy Center | MN | Cook | 1 | 1,188 | 1,104 | -84 | -7% | 0.52 |
| Taconite Harbor Energy Center | MN | Cook | 2 | 1,011 | 825 | -186 | -18% | 0.55 |
| Asbury | MO | Jasper | 1 | 1,820 | 2,699 | 879 | 48% | 1.54 |
| Asbury | MO | Jasper | 2 | 2,919 | 1,888 | -1,031 | -35% | 1.35 |
| Blue Valley | MO | Jackson | 1 | 1,122 | | | | 3.76 |
| Blue Valley | MO | Jackson | 2 | 1,044 | 80 | -963 | -92% | 3.64 |
| Chamois Power Plant | MO | Osage | 1 | 277 | 295 | 18 | 6% | 0.46 |
| Chamois Power Plant | MO | Osage | 2 | 262 | 230 | -32 | -12% | 0.50 |
| Columbia | MO | Boone | 1 | 305 | 275 | -30 | -10% | 1.61 |
| Columbia | MO | Boone | 2 | 233 | 109 | -125 | -53% | 1.35 |
| Hawthorn | MO | Jackson | 1 | 312 | 341 | 28 | 9% | 0.10 |
| Hawthorn | MO | Jackson | 2 | 400 | 502 | 103 | 26% | 0.08 |
| Iatan | MO | Platte | 1 | 4,335 | 49 | -4,287 | -99% | 0.71 |
| Iatan | MO | Platte | 2 | 4,824 | 29 | -4,795 | -99% | 0.74 |
| James River | MO | Greene | 1 | 986 | 927 | -60 | -6% | 0.51 |
| James River | MO | Greene | 2 | 977 | 972 | -5 | -1% | 0.53 |
| Labadie | MO | Franklin | 1 | 13,653 | 16,073 | 2,420 | 18% | 0.68 |
| Labadie | MO | Franklin | 2 | 12,796 | 16,163 | 3,367 | 26% | 0.71 |
| Lake Road | MO | Buchanan | 1 | 622 | 541 | -80 | -13% | 0.78 |
| Lake Road | MO | Buchanan | 2 | 745 | 349 | -395 | -53% | 0.73 |
| Meramec | MO | Saint Louis | 1 | 5,675 | 4,289 | -1,387 | -24% | 0.71 |
| Meramec | MO | Saint Louis | 2 | 5,011 | 4,636 | -375 | -7% | 0.63 |
| Montrose | MO | Henry | 1 | 2,371 | 3,415 | 1,043 | 44% | 0.57 |
| Montrose | MO | Henry | 2 | 3,209 | 2,601 | -608 | -19% | 0.66 |
| New Madrid Power Plant | MO | New Madrid | 1 | 3,317 | 4,077 | 760 | 23% | 0.39 |
| New Madrid Power Plant | MO | New Madrid | 2 | 3,954 | 3,314 | -640 | -16% | 0.41 |
| Rush Island | MO | Jefferson | 1 | 7,875 | 3,769 | -4,106 | -52% | 0.70 |
| Rush Island | MO | Jefferson | 2 | 6,989 | 6,613 | -376 | -5% | 0.70 |
| Sibley | MO | Jackson | 1 | 2,896 | 3,264 | 368 | 13% | 0.68 |
| Sibley | MO | Jackson | 2 | 1,866 | 3,198 | 1,331 | 71% | 0.70 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Riverside (1927) | | | | 2,007 | | |
| Sherburne County | 0.34 | 0.04 | 12% | 5,817 | 3,363 | -2,453 |
| Sherburne County | 0.30 | -0.02 | -6% | 4,658 | 3,192 | -1,466 |
| Silver Lake | | | | 130 | | |
| Silver Lake | 0.20 | -1.12 | -85% | 86 | 8 | -78 |
| Taconite Harbor Energy Center | 0.52 | 0.00 | 1% | 712 | 461 | -250 |
| Taconite Harbor Energy Center | 0.48 | -0.06 | -12% | 549 | 399 | -149 |
| Asbury | 1.29 | -0.25 | -16% | 905 | 240 | -665 |
| Asbury | 1.16 | -0.20 | -15% | 1,406 | 193 | -1,213 |
| Blue Valley | | | | 94 | | |
| Blue Valley | 4.48 | 0.83 | 23% | 90 | 4 | -86 |
| Chamois Power Plant | 0.52 | 0.05 | 11% | 524 | 482 | -42 |
| Chamois Power Plant | 0.49 | -0.01 | -2% | 441 | 397 | -44 |
| Columbia | 1.59 | -0.02 | -1% | 100 | 79 | -21 |
| Columbia | 1.77 | 0.42 | 31% | 90 | 29 | -61 |
| Hawthorn | 0.11 | 0.01 | 7% | 241 | 241 | -1 |
| Hawthorn | 0.09 | 0.01 | 11% | 366 | 398 | 32 |
| Iatan | 0.01 | -0.70 | -99% | 2,098 | 601 | -1,496 |
| Iatan | 0.00 | -0.74 | -100% | 2,230 | 577 | -1,653 |
| James River | 0.56 | 0.05 | 10% | 484 | 372 | -112 |
| James River | 0.54 | 0.00 | 0% | 436 | 310 | -125 |
| Labadie | 0.69 | 0.01 | 1% | 2,336 | 2,532 | 196 |
| Labadie | 0.74 | 0.04 | 5% | 1,990 | 2,350 | 361 |
| Lake Road | 0.71 | -0.07 | -9% | 523 | 583 | 60 |
| Lake Road | 0.52 | -0.21 | -28% | 661 | 432 | -229 |
| Meramec | 0.58 | -0.12 | -17% | 1,380 | 1,209 | -172 |
| Meramec | 0.59 | -0.04 | -6% | 1,362 | 1,286 | -76 |
| Montrose | 0.68 | 0.11 | 19% | 1,403 | 1,766 | 364 |
| Montrose | 0.68 | 0.02 | 3% | 1,631 | 1,269 | -362 |
| New Madrid Power Plant | 0.41 | 0.02 | 6% | 5,489 | 964 | -4,525 |
| New Madrid Power Plant | 0.43 | 0.01 | 3% | 1,998 | 839 | -1,159 |
| Rush Island | 0.65 | -0.06 | -8% | 1,215 | 487 | -727 |
| Rush Island | 0.65 | -0.05 | -7% | 926 | 896 | -29 |
| Sibley | 0.82 | 0.14 | 21% | 2,704 | 616 | -2,087 |
| Sibley | 0.83 | 0.12 | 18% | 1,513 | 534 | -979 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Riverside (1927) | | 0.94 | | | | 4,269,916 |
| Sherburne County | -42% | 0.26 | 0.18 | -0.08 | -31% | 43,955,294 |
| Sherburne County | -31% | 0.22 | 0.17 | -0.05 | -22% | 41,753,131 |
| Silver Lake | | 0.41 | | | | 633,065 |
| Silver Lake | -91% | 0.40 | 0.25 | -0.15 | -37% | 433,404 |
| Taconite Harbor Energy Center | -35% | 0.31 | 0.22 | -0.09 | -30% | 4,566,532 |
| Taconite Harbor Energy Center | -27% | 0.30 | 0.23 | -0.06 | -21% | 3,699,891 |
| Asbury | -73% | 0.77 | 0.11 | -0.65 | -85% | 2,363,010 |
| Asbury | -86% | 0.65 | 0.12 | -0.53 | -82% | 4,313,483 |
| Blue Valley | | 0.31 | | | | 597,052 |
| Blue Valley | -95% | 0.32 | 0.24 | -0.08 | -24% | 572,619 |
| Chamois Power Plant | -8% | 0.88 | 0.85 | -0.03 | -4% | 1,191,812 |
| Chamois Power Plant | -10% | 0.84 | 0.85 | 0.00 | 0% | 1,045,384 |
| Columbia | -21% | 0.53 | 0.46 | -0.07 | -14% | 377,753 |
| Columbia | -68% | 0.52 | 0.47 | -0.06 | -11% | 345,637 |
| Hawthorn | 0% | 0.08 | 0.07 | 0.00 | -2% | 6,331,227 |
| Hawthorn | 9% | 0.08 | 0.07 | 0.00 | -4% | 9,690,668 |
| Iatan | -71% | 0.34 | 0.08 | -0.27 | -78% | 12,222,829 |
| Iatan | -74% | 0.34 | 0.07 | -0.27 | -78% | 13,025,405 |
| James River | -23% | 0.25 | 0.22 | -0.02 | -10% | 3,884,326 |
| James River | -29% | 0.24 | 0.17 | -0.07 | -28% | 3,666,647 |
| Labadie | 8% | 0.12 | 0.11 | -0.01 | -7% | 39,982,373 |
| Labadie | 18% | 0.11 | 0.11 | 0.00 | -2% | 36,193,062 |
| Lake Road | 11% | 0.66 | 0.77 | 0.11 | 17% | 1,591,410 |
| Lake Road | -35% | 0.65 | 0.65 | 0.00 | 0% | 2,030,141 |
| Meramec | -12% | 0.17 | 0.16 | -0.01 | -4% | 16,033,170 |
| Meramec | -6% | 0.17 | 0.16 | -0.01 | -4% | 16,020,739 |
| Montrose | 26% | 0.34 | 0.35 | 0.01 | 4% | 8,274,123 |
| Montrose | -22% | 0.34 | 0.33 | -0.01 | -2% | 9,672,109 |
| New Madrid Power Plant | -82% | 0.64 | 0.10 | -0.54 | -85% | 17,106,991 |
| New Madrid Power Plant | -58% | 0.21 | 0.11 | -0.10 | -48% | 19,085,060 |
| Rush Island | -60% | 0.11 | 0.08 | -0.02 | -23% | 22,432,447 |
| Rush Island | -3% | 0.09 | 0.09 | 0.00 | -5% | 20,039,090 |
| Sibley | -77% | 0.64 | 0.16 | -0.48 | -76% | 8,511,245 |
| Sibley | -65% | 0.57 | 0.14 | -0.43 | -76% | 5,310,109 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Riverside (1927) | | | |
| Sherburne County | 37,023,363 | -6,931,931 | -16% |
| Sherburne County | 36,911,737 | -4,841,394 | -12% |
| Silver Lake | | | |
| Silver Lake | 63,981 | -369,423 | -85% |
| Taconite Harbor Energy Center | 4,214,537 | -351,995 | -8% |
| Taconite Harbor Energy Center | 3,424,118 | -275,772 | -7% |
| Asbury | 4,190,049 | 1,827,039 | 77% |
| Asbury | 3,268,436 | -1,045,047 | -24% |
| Blue Valley | | | |
| Blue Valley | 35,855 | -536,763 | -94% |
| Chamois Power Plant | 1,140,538 | -51,274 | -4% |
| Chamois Power Plant | 935,525 | -109,859 | -11% |
| Columbia | 345,043 | -32,710 | -9% |
| Columbia | 122,883 | -222,754 | -64% |
| Hawthorn | 6,474,318 | 143,092 | 2% |
| Hawthorn | 10,993,005 | 1,302,337 | 13% |
| Iatan | 15,862,186 | 3,639,357 | 30% |
| Iatan | 15,530,400 | 2,504,996 | 19% |
| James River | 3,310,389 | -573,936 | -15% |
| James River | 3,631,495 | -35,152 | -1% |
| Labadie | 46,633,811 | 6,651,439 | 17% |
| Labadie | 43,517,115 | 7,324,054 | 20% |
| Lake Road | 1,516,866 | -74,544 | -5% |
| Lake Road | 1,330,255 | -699,887 | -34% |
| Meramec | 14,673,140 | -1,360,030 | -8% |
| Meramec | 15,810,731 | -210,008 | -1% |
| Montrose | 10,037,769 | 1,763,646 | 21% |
| Montrose | 7,646,217 | -2,025,892 | -21% |
| New Madrid Power Plant | 19,843,964 | 2,736,974 | 16% |
| New Madrid Power Plant | 15,472,269 | -3,612,792 | -19% |
| Rush Island | 11,685,006 | -10,747,441 | -48% |
| Rush Island | 20,354,151 | 315,061 | 2% |
| Sibley | 7,931,324 | -579,921 | -7% |
| Sibley | 7,741,496 | 2,431,387 | 46% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Sikeston | MO | Scott | 1 | 1,806 | 1,491 | -315 | -17% | 0.62 |
| Sikeston | MO | Scott | 2 | 1,153 | 1,083 | -70 | -6% | 0.60 |
| Sioux | MO | Saint Charles | 1 | 12,508 | 12,174 | -334 | -3% | 1.66 |
| Sioux | MO | Saint Charles | 2 | 13,681 | 13,178 | -504 | -4% | 1.82 |
| Southwest | MO | Greene | 1 | 1,026 | 885 | -141 | -14% | 0.58 |
| Southwest | MO | Greene | 2 | 999 | 719 | -281 | -28% | 0.60 |
| Thomas Hill Energy Center | MO | Randolph | 1 | 3,527 | 4,102 | 575 | 16% | 0.41 |
| Thomas Hill Energy Center | MO | Randolph | 2 | 3,519 | 5,393 | 1,874 | 53% | 0.43 |
| Daniel Electric Generating Plant | MS | Jackson | 1 | 7,140 | 3,240 | -3,900 | -55% | 0.74 |
| Daniel Electric Generating Plant | MS | Jackson | 2 | 8,477 | 5,061 | -3,415 | -40% | 0.75 |
| R D Morrow Senior Generating Plant | MS | Lamar | 1 | 2,185 | 1,670 | -515 | -24% | 0.55 |
| R D Morrow Senior Generating Plant | MS | Lamar | 2 | 1,651 | 2,013 | 362 | 22% | 0.54 |
| Red Hills Generation Facility | MS | Choctaw | 1 | 420 | 539 | 119 | 28% | 0.08 |
| Red Hills Generation Facility | MS | Choctaw | 2 | 286 | 398 | 113 | 39% | 0.06 |
| Watson Electric Generating Plant | MS | Harrison | 1 | 6,237 | 4,751 | -1,485 | -24% | 0.95 |
| Watson Electric Generating Plant | MS | Harrison | 2 | 8,889 | 4,234 | -4,655 | -52% | 1.24 |
| Colstrip | MT | Rosebud | 1 | 4,299 | 4,285 | -14 | 0% | 0.17 |
| Colstrip | MT | Rosebud | 2 | 2,650 | 3,271 | 621 | 23% | 0.14 |
| Hardin Generating Station | MT | Big Horn | 1 | 84 | 116 | 31 | 37% | 0.12 |
| Hardin Generating Station | MT | Big Horn | 2 | 79 | 85 | 6 | 8% | 0.10 |
| J E Corette | MT | Yellowstone | 1 | 846 | 706 | -140 | -17% | 0.44 |
| J E Corette | MT | Yellowstone | 2 | 506 | 312 | -194 | -38% | 0.44 |
| Lewis & Clark | MT | Richland | 1 | 384 | 243 | -141 | -37% | 0.54 |
| Lewis & Clark | MT | Richland | 2 | 259 | 217 | -42 | -16% | 0.50 |
| Asheville | NC | Buncombe | 1 | 151 | 398 | 246 | 163% | 0.04 |
| Asheville | NC | Buncombe | 2 | 163 | 435 | 272 | 167% | 0.06 |
| Belews Creek | NC | Stokes | 1 | 13,594 | 903 | -12,690 | -93% | 0.82 |
| Belews Creek | NC | Stokes | 2 | 1,412 | 884 | -528 | -37% | 0.08 |
| Buck | NC | Rowan | 1 | 2,034 | 1,504 | -530 | -26% | 1.04 |
| Buck | NC | Rowan | 2 | 2,628 | 1,958 | -671 | -26% | 1.06 |
| Cape Fear | NC | Chatham | 1 | 2,807 | 3,561 | 754 | 27% | 1.42 |
| Cape Fear | NC | Chatham | 2 | 2,856 | 3,309 | 453 | 16% | 1.35 |
| Cliffside | NC | Cleveland | 1 | 8,735 | 4,303 | -4,432 | -51% | 1.36 |
| Cliffside | NC | Cleveland | 2 | 7,008 | 1,166 | -5,842 | -83% | 1.39 |
| Dan River | NC | Rockingham | 1 | 2,155 | 1,069 | -1,087 | -50% | 1.10 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Sikeston | 0.56 | -0.06 | -10% | 674 | 564 | -110 |
| Sikeston | 0.65 | 0.05 | 8% | 413 | 351 | -61 |
| Sioux | 1.68 | 0.02 | 1% | 2,267 | 1,872 | -395 |
| Sioux | 1.69 | -0.12 | -7% | 1,708 | 1,957 | 250 |
| Southwest | 0.54 | -0.04 | -7% | 658 | 142 | -516 |
| Southwest | 0.55 | -0.05 | -8% | 634 | 127 | -507 |
| Thomas Hill Energy Center | 0.40 | 0.00 | -1% | 3,729 | 1,014 | -2,715 |
| Thomas Hill Energy Center | 0.45 | 0.02 | 5% | 2,331 | 1,780 | -552 |
| Daniel Electric Generating Plant | 0.64 | -0.10 | -13% | 3,045 | 1,176 | -1,869 |
| Daniel Electric Generating Plant | 0.71 | -0.04 | -5% | 3,777 | 1,364 | -2,413 |
| R D Morrow Senior Generating Plant | 0.53 | -0.02 | -3% | 1,843 | 1,492 | -350 |
| R D Morrow Senior Generating Plant | 0.58 | 0.04 | 8% | 1,437 | 1,671 | 234 |
| Red Hills Generation Facility | 0.10 | 0.02 | 20% | 702 | 684 | -18 |
| Red Hills Generation Facility | 0.09 | 0.03 | 50% | 702 | 589 | -112 |
| Watson Electric Generating Plant | 1.09 | 0.14 | 15% | 3,091 | 1,415 | -1,676 |
| Watson Electric Generating Plant | 1.00 | -0.24 | -19% | 3,461 | 1,539 | -1,922 |
| Colstrip | 0.18 | 0.01 | 7% | 7,490 | 5,104 | -2,386 |
| Colstrip | 0.17 | 0.03 | 21% | 4,941 | 4,163 | -778 |
| Hardin Generating Station | 0.09 | -0.03 | -21% | 293 | 111 | -182 |
| Hardin Generating Station | 0.10 | 0.00 | -2% | 83 | 75 | -8 |
| J E Corette | 0.44 | 0.00 | 0% | 494 | 450 | -45 |
| J E Corette | 0.44 | 0.00 | 0% | 289 | 207 | -82 |
| Lewis & Clark | 0.46 | -0.08 | -15% | 265 | 201 | -65 |
| Lewis & Clark | 0.54 | 0.04 | 7% | 197 | 154 | -43 |
| Asheville | 0.13 | 0.08 | 185% | 181 | 234 | 52 |
| Asheville | 0.14 | 0.08 | 128% | 174 | 217 | 43 |
| Belews Creek | 0.06 | -0.76 | -93% | 892 | 780 | -113 |
| Belews Creek | 0.07 | -0.01 | -18% | 782 | 769 | -13 |
| Buck | 1.10 | 0.06 | 6% | 402 | 273 | -130 |
| Buck | 1.06 | 0.00 | 0% | 482 | 341 | -140 |
| Cape Fear | 1.39 | -0.03 | -2% | 473 | 654 | 181 |
| Cape Fear | 1.47 | 0.13 | 9% | 485 | 675 | 190 |
| Cliffside | 1.43 | 0.07 | 5% | 771 | 271 | -500 |
| Cliffside | 1.39 | 0.00 | 0% | 747 | 75 | -671 |
| Dan River | 1.44 | 0.34 | 31% | 428 | 199 | -229 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Sikeston | -16% | 0.23 | 0.21 | -0.02 | -9% | 5,839,028 |
| Sikeston | -15% | 0.22 | 0.21 | 0.00 | -2% | 3,823,274 |
| Sioux | -17% | 0.30 | 0.26 | -0.04 | -14% | 15,051,068 |
| Sioux | 15% | 0.23 | 0.25 | 0.03 | 11% | 15,075,045 |
| Southwest | -78% | 0.37 | 0.09 | -0.29 | -77% | 3,535,187 |
| Southwest | -80% | 0.38 | 0.10 | -0.28 | -74% | 3,336,708 |
| Thomas Hill Energy Center | -73% | 0.43 | 0.10 | -0.33 | -77% | 17,275,332 |
| Thomas Hill Energy Center | -24% | 0.28 | 0.15 | -0.13 | -48% | 16,554,109 |
| Daniel Electric Generating Plant | -61% | 0.32 | 0.23 | -0.08 | -26% | 19,282,074 |
| Daniel Electric Generating Plant | -64% | 0.33 | 0.19 | -0.14 | -42% | 22,706,986 |
| R D Morrow Senior Generating Plant | -19% | 0.47 | 0.48 | 0.01 | 2% | 7,898,349 |
| R D Morrow Senior Generating Plant | 16% | 0.47 | 0.48 | 0.01 | 3% | 6,127,515 |
| Red Hills Generation Facility | -3% | 0.13 | 0.12 | -0.01 | -9% | 10,424,227 |
| Red Hills Generation Facility | -16% | 0.14 | 0.13 | -0.01 | -10% | 9,942,250 |
| Watson Electric Generating Plant | -54% | 0.47 | 0.32 | -0.15 | -31% | 13,131,975 |
| Watson Electric Generating Plant | -56% | 0.48 | 0.36 | -0.12 | -24% | 14,384,648 |
| Colstrip | -32% | 0.29 | 0.21 | -0.08 | -27% | 51,249,151 |
| Colstrip | -16% | 0.26 | 0.21 | -0.04 | -17% | 38,634,083 |
| Hardin Generating Station | -62% | 0.41 | 0.09 | -0.32 | -78% | 1,423,441 |
| Hardin Generating Station | -9% | 0.10 | 0.08 | -0.02 | -17% | 1,611,796 |
| J E Corette | -9% | 0.26 | 0.28 | 0.02 | 9% | 3,827,189 |
| J E Corette | -28% | 0.25 | 0.29 | 0.04 | 16% | 2,281,391 |
| Lewis & Clark | -24% | 0.38 | 0.38 | 0.00 | 1% | 1,415,566 |
| Lewis & Clark | -22% | 0.38 | 0.38 | 0.00 | 0% | 1,037,105 |
| Asheville | 29% | 0.05 | 0.08 | 0.02 | 40% | 6,753,980 |
| Asheville | 25% | 0.07 | 0.07 | 0.00 | 7% | 5,333,150 |
| Belews Creek | -13% | 0.05 | 0.05 | 0.00 | -3% | 33,259,621 |
| Belews Creek | -2% | 0.04 | 0.06 | 0.01 | 29% | 35,549,393 |
| Buck | -32% | 0.21 | 0.20 | -0.01 | -3% | 3,907,945 |
| Buck | -29% | 0.19 | 0.19 | -0.01 | -5% | 4,956,225 |
| Cape Fear | 38% | 0.24 | 0.25 | 0.02 | 6% | 3,962,053 |
| Cape Fear | 39% | 0.23 | 0.30 | 0.07 | 31% | 4,238,706 |
| Cliffside | -65% | 0.12 | 0.09 | -0.03 | -25% | 12,877,792 |
| Cliffside | -90% | 0.15 | 0.09 | -0.06 | -39% | 10,088,380 |
| Dan River | -53% | 0.22 | 0.27 | 0.05 | 23% | 3,919,085 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Sikeston | 5,346,585 | -492,444 | -8% |
| Sikeston | 3,317,601 | -505,673 | -13% |
| Sioux | 14,496,699 | -554,369 | -4% |
| Sioux | 15,549,391 | 474,346 | 3% |
| Southwest | 3,277,911 | -257,276 | -7% |
| Southwest | 2,601,541 | -735,167 | -22% |
| Thomas Hill Energy Center | 20,305,332 | 3,030,000 | 18% |
| Thomas Hill Energy Center | 24,237,384 | 7,683,275 | 46% |
| Daniel Electric Generating Plant | 10,106,381 | -9,175,693 | -48% |
| Daniel Electric Generating Plant | 14,228,725 | -8,478,261 | -37% |
| R D Morrow Senior Generating Plant | 6,244,983 | -1,653,366 | -21% |
| R D Morrow Senior Generating Plant | 6,949,108 | 821,593 | 13% |
| Red Hills Generation Facility | 11,177,601 | 753,374 | 7% |
| Red Hills Generation Facility | 9,228,396 | -713,854 | -7% |
| Watson Electric Generating Plant | 8,733,037 | -4,398,938 | -33% |
| Watson Electric Generating Plant | 8,467,660 | -5,916,988 | -41% |
| Colstrip | 47,816,803 | -3,432,348 | -7% |
| Colstrip | 39,305,529 | 671,445 | 2% |
| Hardin Generating Station | 2,481,164 | 1,057,724 | 74% |
| Hardin Generating Station | 1,773,092 | 161,296 | 10% |
| J E Corette | 3,199,839 | -627,350 | -16% |
| J E Corette | 1,406,110 | -875,281 | -38% |
| Lewis & Clark | 1,059,492 | -356,074 | -25% |
| Lewis & Clark | 810,340 | -226,765 | -22% |
| Asheville | 6,238,967 | -515,013 | -8% |
| Asheville | 6,239,009 | 905,859 | 17% |
| Belews Creek | 29,961,302 | -3,298,319 | -10% |
| Belews Creek | 27,141,249 | -8,408,145 | -24% |
| Buck | 2,723,269 | -1,184,676 | -30% |
| Buck | 3,685,231 | -1,270,994 | -26% |
| Cape Fear | 5,141,225 | 1,179,172 | 30% |
| Cape Fear | 4,490,178 | 251,473 | 6% |
| Cliffside | 6,015,253 | -6,862,539 | -53% |
| Cliffside | 1,672,382 | -8,415,998 | -83% |
| Dan River | 1,479,487 | -2,439,598 | -62% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Dan River | NC | Rockingham | 2 | 2,344 | 1,292 | -1,052 | -45% | 1.12 |
| Elizabethtown Power | NC | Bladen | 1 | | | | | |
| Elizabethtown Power | NC | Bladen | 2 | 36 | | | | 1.24 |
| G G Allen | NC | Gaston | 1 | 13,271 | 513 | -12,759 | -96% | 1.55 |
| G G Allen | NC | Gaston | 2 | 13,071 | 678 | -12,392 | -95% | 1.56 |
| H F Lee Steam Electric Plant | NC | Wayne | 1 | 1,623 | 4,410 | 2,787 | 172% | 1.36 |
| H F Lee Steam Electric Plant | NC | Wayne | 2 | 3,654 | 4,014 | 360 | 10% | 1.37 |
| L V Sutton | NC | New Hanover | 1 | 5,661 | 5,819 | 158 | 3% | 1.31 |
| L V Sutton | NC | New Hanover | 2 | 5,198 | 5,318 | 119 | 2% | 1.37 |
| Lumberton Power | NC | Robeson | 1 | 37 | | | | 1.00 |
| Lumberton Power | NC | Robeson | 2 | 44 | | | | 1.29 |
| Marshall | NC | Catawba | 1 | 1,289 | 863 | -426 | -33% | 0.08 |
| Marshall | NC | Catawba | 2 | 2,006 | 1,004 | -1,002 | -50% | 0.12 |
| Mayo | NC | Person | 1 | 5,002 | 1,134 | -3,868 | -77% | 1.01 |
| Mayo | NC | Person | 2 | 4,718 | 1,240 | -3,478 | -74% | 1.01 |
| Riverbend | NC | Gaston | 1 | 4,582 | 2,406 | -2,176 | -47% | 1.49 |
| Riverbend | NC | Gaston | 2 | 6,218 | 3,470 | -2,748 | -44% | 1.53 |
| Roxboro | NC | Person | 1 | 10,944 | 2,934 | -8,010 | -73% | 0.55 |
| Roxboro | NC | Person | 2 | 6,157 | 2,619 | -3,539 | -57% | 0.34 |
| W H Weatherspoon | NC | Robeson | 1 | 2,240 | 1,981 | -259 | -12% | 1.59 |
| W H Weatherspoon | NC | Robeson | 2 | 1,801 | 1,659 | -142 | -8% | 1.71 |
| Antelope Valley | ND | Mercer | 1 | 3,595 | 3,704 | 108 | 3% | 0.36 |
| Antelope Valley | ND | Mercer | 2 | 3,428 | 3,544 | 117 | 3% | 0.53 |
| Coal Creek | ND | McLean | 1 | 6,465 | 5,711 | -755 | -12% | 0.61 |
| Coal Creek | ND | McLean | 2 | 4,455 | 3,627 | -828 | -19% | 0.50 |
| Coyote | ND | Mercer | 1 | 3,328 | 3,798 | 470 | 14% | 0.76 |
| Coyote | ND | Mercer | 2 | 2,788 | 3,201 | 413 | 15% | 0.71 |
| Leland Olds | ND | Mercer | 1 | 13,424 | 14,206 | 782 | 6% | 2.04 |
| Leland Olds | ND | Mercer | 2 | 12,156 | 12,330 | 174 | 1% | 1.89 |
| Milton R Young | ND | Oliver | 1 | 7,370 | 7,416 | 46 | 1% | 1.04 |
| Milton R Young | ND | Oliver | 2 | 7,520 | 7,350 | -170 | -2% | 1.03 |
| R M Heskett | ND | Morton | 1 | 641 | 687 | 47 | 7% | 0.90 |
| R M Heskett | ND | Morton | 2 | 310 | 272 | -38 | -12% | 0.78 |
| Stanton | ND | Mercer | 1 | 590 | 644 | 54 | 9% | 0.30 |
| Stanton | ND | Mercer | 2 | 663 | 555 | -108 | -16% | 0.37 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Dan River | 1.22 | 0.10 | 9% | 456 | 285 | -171 |
| Elizabethtown Power | | | | | | |
| Elizabethtown Power | | | | 17 | | |
| G G Allen | 0.07 | -1.48 | -95% | 1,634 | 1,281 | -353 |
| G G Allen | 0.09 | -1.47 | -94% | 1,502 | 1,386 | -117 |
| H F Lee Steam Electric Plant | 1.35 | -0.02 | -1% | 492 | 1,211 | 720 |
| H F Lee Steam Electric Plant | 1.31 | -0.06 | -5% | 906 | 1,106 | 200 |
| L V Sutton | 1.44 | 0.14 | 10% | 1,452 | 1,450 | -1 |
| L V Sutton | 1.39 | 0.02 | 2% | 1,248 | 1,324 | 75 |
| Lumberton Power | | | | 16 | | |
| Lumberton Power | | | | 14 | | |
| Marshall | 0.05 | -0.03 | -38% | 3,476 | 2,885 | -592 |
| Marshall | 0.06 | -0.06 | -49% | 3,533 | 2,424 | -1,108 |
| Mayo | 0.16 | -0.85 | -84% | 369 | 524 | 155 |
| Mayo | 0.21 | -0.80 | -79% | 373 | 434 | 61 |
| Riverbend | 1.55 | 0.05 | 3% | 638 | 364 | -275 |
| Riverbend | 1.53 | 0.00 | 0% | 748 | 491 | -257 |
| Roxboro | 0.14 | -0.41 | -74% | 1,889 | 1,694 | -195 |
| Roxboro | 0.15 | -0.19 | -55% | 1,731 | 1,562 | -169 |
| W H Weatherspoon | 1.57 | -0.02 | -1% | 891 | 790 | -102 |
| W H Weatherspoon | 1.65 | -0.07 | -4% | 677 | 662 | -15 |
| Antelope Valley | 0.36 | 0.00 | 0% | 3,788 | 4,063 | 275 |
| Antelope Valley | 0.50 | -0.03 | -6% | 2,353 | 2,470 | 118 |
| Coal Creek | 0.51 | -0.10 | -16% | 2,091 | 2,281 | 190 |
| Coal Creek | 0.39 | -0.10 | -21% | 1,696 | 1,809 | 112 |
| Coyote | 0.78 | 0.02 | 2% | 3,216 | 3,439 | 223 |
| Coyote | 0.78 | 0.07 | 10% | 3,103 | 2,808 | -295 |
| Leland Olds | 2.25 | 0.21 | 10% | 3,085 | 1,834 | -1,251 |
| Leland Olds | 2.12 | 0.24 | 13% | 3,083 | 1,783 | -1,300 |
| Milton R Young | 1.02 | -0.01 | -1% | 4,751 | 3,312 | -1,439 |
| Milton R Young | 1.01 | -0.02 | -2% | 4,266 | 3,389 | -877 |
| R M Heskett | 0.95 | 0.05 | 5% | 315 | 229 | -86 |
| R M Heskett | 0.91 | 0.12 | 16% | 152 | 105 | -46 |
| Stanton | 0.35 | 0.04 | 14% | 475 | 473 | -2 |
| Stanton | 0.33 | -0.04 | -10% | 486 | 447 | -39 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Dan River | -37% | 0.22 | 0.27 | 0.05 | 24% | 4,199,285 |
| Elizabethtown Power | | | | | | |
| Elizabethtown Power | | 0.58 | | | | 57,854 |
| G G Allen | -22% | 0.19 | 0.18 | -0.02 | -8% | 17,078,629 |
| G G Allen | -8% | 0.18 | 0.18 | 0.00 | 2% | 16,734,176 |
| H F Lee Steam Electric Plant | 146% | 0.41 | 0.37 | -0.04 | -10% | 2,380,836 |
| H F Lee Steam Electric Plant | 22% | 0.34 | 0.36 | 0.02 | 6% | 5,338,195 |
| L V Sutton | 0% | 0.33 | 0.36 | 0.02 | 7% | 8,673,187 |
| L V Sutton | 6% | 0.33 | 0.35 | 0.02 | 5% | 7,608,967 |
| Lumberton Power | | 0.42 | | | | 74,475 |
| Lumberton Power | | 0.40 | | | | 67,752 |
| Marshall | -17% | 0.22 | 0.17 | -0.05 | -23% | 31,887,067 |
| Marshall | -31% | 0.21 | 0.15 | -0.06 | -29% | 34,314,551 |
| Mayo | 42% | 0.07 | 0.07 | 0.00 | -1% | 9,914,190 |
| Mayo | 16% | 0.08 | 0.07 | -0.01 | -7% | 9,368,306 |
| Riverbend | -43% | 0.21 | 0.23 | 0.03 | 12% | 6,131,064 |
| Riverbend | -34% | 0.18 | 0.22 | 0.03 | 18% | 8,103,367 |
| Roxboro | -10% | 0.10 | 0.08 | -0.01 | -13% | 39,592,676 |
| Roxboro | -10% | 0.09 | 0.09 | 0.00 | -5% | 36,601,870 |
| W H Weatherspoon | -11% | 0.63 | 0.63 | -0.01 | -1% | 2,818,174 |
| W H Weatherspoon | -2% | 0.64 | 0.66 | 0.01 | 2% | 2,100,701 |
| Antelope Valley | 7% | 0.38 | 0.40 | 0.02 | 4% | 19,900,633 |
| Antelope Valley | 5% | 0.37 | 0.35 | -0.02 | -4% | 12,889,813 |
| Coal Creek | 9% | 0.20 | 0.20 | 0.01 | 4% | 21,293,738 |
| Coal Creek | 7% | 0.19 | 0.20 | 0.01 | 4% | 17,971,938 |
| Coyote | 7% | 0.74 | 0.71 | -0.03 | -4% | 8,702,771 |
| Coyote | -10% | 0.80 | 0.69 | -0.11 | -13% | 7,805,995 |
| Leland Olds | -41% | 0.47 | 0.29 | -0.18 | -38% | 13,155,092 |
| Leland Olds | -42% | 0.48 | 0.31 | -0.17 | -36% | 12,893,530 |
| Milton R Young | -30% | 0.67 | 0.46 | -0.21 | -32% | 14,213,915 |
| Milton R Young | -21% | 0.58 | 0.46 | -0.12 | -20% | 14,649,290 |
| R M Heskett | -27% | 0.44 | 0.32 | -0.13 | -29% | 1,427,014 |
| R M Heskett | -31% | 0.38 | 0.35 | -0.03 | -9% | 791,045 |
| Stanton | 0% | 0.24 | 0.25 | 0.01 | 4% | 3,905,474 |
| Stanton | -8% | 0.27 | 0.27 | 0.00 | -1% | 3,627,188 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Dan River | 2,117,497 | -2,081,788 | -50% |
| Elizabethtown Power | | | |
| Elizabethtown Power | | | |
| G G Allen | 14,559,082 | -2,519,547 | -15% |
| G G Allen | 15,126,477 | -1,607,699 | -10% |
| H F Lee Steam Electric Plant | 6,546,122 | 4,165,286 | 175% |
| H F Lee Steam Electric Plant | 6,144,763 | 806,569 | 15% |
| L V Sutton | 8,070,605 | -602,582 | -7% |
| L V Sutton | 7,659,614 | 50,647 | 1% |
| Lumberton Power | | | |
| Lumberton Power | | | |
| Marshall | 34,413,017 | 2,525,950 | 8% |
| Marshall | 33,367,867 | -946,684 | -3% |
| Mayo | 14,147,478 | 4,233,288 | 43% |
| Mayo | 11,709,017 | 2,340,711 | 25% |
| Riverbend | 3,113,545 | -3,017,519 | -49% |
| Riverbend | 4,523,529 | -3,579,838 | -44% |
| Roxboro | 40,685,122 | 1,092,446 | 3% |
| Roxboro | 34,723,168 | -1,878,702 | -5% |
| W H Weatherspoon | 2,517,018 | -301,157 | -11% |
| W H Weatherspoon | 2,013,409 | -87,292 | -4% |
| Antelope Valley | 20,474,045 | 573,413 | 3% |
| Antelope Valley | 14,121,975 | 1,232,162 | 10% |
| Coal Creek | 22,420,335 | 1,126,597 | 5% |
| Coal Creek | 18,502,156 | 530,218 | 3% |
| Coyote | 9,697,351 | 994,580 | 11% |
| Coyote | 8,165,350 | 359,355 | 5% |
| Leland Olds | 12,601,742 | -553,350 | -4% |
| Leland Olds | 11,615,018 | -1,278,511 | -10% |
| Milton R Young | 14,471,901 | 257,986 | 2% |
| Milton R Young | 14,599,193 | -50,097 | 0% |
| R M Heskett | 1,453,114 | 26,099 | 2% |
| R M Heskett | 599,845 | -191,200 | -24% |
| Stanton | 3,727,256 | -178,218 | -5% |
| Stanton | 3,364,836 | -262,352 | -7% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Gerald Gentleman Station | NE | Lincoln | 1 | 8,364 | 8,579 | 215 | 3% | 0.56 |
| Gerald Gentleman Station | NE | Lincoln | 2 | 8,052 | 5,492 | -2,560 | -32% | 0.58 |
| Gerald Whelan Energy Center | NE | Adams | 1 | 631 | 612 | -20 | -3% | 0.72 |
| Gerald Whelan Energy Center | NE | Adams | 2 | 541 | 457 | -83 | -15% | 0.69 |
| Lon D Wright Power Plant | NE | Dodge | 1 | 487 | 353 | -134 | -28% | 0.76 |
| Lon D Wright Power Plant | NE | Dodge | 2 | 571 | 272 | -299 | -52% | 0.78 |
| Nebraska City Station | NE | Otoe | 1 | 4,172 | 4,450 | 278 | 7% | 0.67 |
| Nebraska City Station | NE | Otoe | 2 | 4,403 | 4,163 | -240 | -5% | 0.75 |
| North Omaha Station | NE | Douglas | 1 | 3,205 | 2,593 | -612 | -19% | 0.76 |
| North Omaha Station | NE | Douglas | 2 | 4,166 | 2,425 | -1,740 | -42% | 0.76 |
| Platte | NE | Hall | 1 | 829 | 687 | -143 | -17% | 0.71 |
| Platte | NE | Hall | 2 | 711 | 496 | -214 | -30% | 0.73 |
| Sheldon | NE | Lancaster | 1 | 1,098 | 1,084 | -13 | -1% | 0.49 |
| Sheldon | NE | Lancaster | 2 | 1,142 | 1,104 | -37 | -3% | 0.53 |
| Merrimack | NH | Merrimack | 1 | 8,732 | 9,760 | 1,028 | 12% | 1.88 |
| Merrimack | NH | Merrimack | 2 | 4,784 | 9,026 | 4,242 | 89% | 2.04 |
| Schiller | NH | Rockingham | 1 | 1,015 | 697 | -318 | -31% | 0.68 |
| Schiller | NH | Rockingham | 2 | 1,260 | 511 | -749 | -59% | 0.77 |
| B L England | NJ | Cape May | 1 | 209 | 126 | -84 | -40% | 0.15 |
| B L England | NJ | Cape May | 2 | 960 | 495 | -464 | -48% | 1.37 |
| Deepwater | NJ | Salem | 1 | 548 | 190 | -358 | -65% | 1.06 |
| Deepwater | NJ | Salem | 2 | 429 | | | | 1.07 |
| Hudson Generating Station | NJ | Hudson | 1 | 763 | 513 | -250 | -33% | 0.20 |
| Hudson Generating Station | NJ | Hudson | 2 | 108 | 573 | 465 | 430% | 0.14 |
| Mercer Generating Station | NJ | Mercer | 1 | 4,170 | 2,838 | -1,331 | -32% | 1.13 |
| Mercer Generating Station | NJ | Mercer | 2 | 3,996 | 2,177 | -1,819 | -46% | 1.04 |
| Escalante | NM | McKinley | 1 | 216 | 330 | 115 | 53% | 0.12 |
| Escalante | NM | McKinley | 2 | 314 | 259 | -55 | -18% | 0.13 |
| Four Corners Steam Elec Station | NM | San Juan | 1 | 2,458 | 2,177 | -282 | -11% | 0.16 |
| Four Corners Steam Elec Station | NM | San Juan | 2 | 2,176 | 2,707 | 531 | 24% | 0.14 |
| San Juan | NM | San Juan | 1 | 4,901 | 898 | -4,003 | -82% | 0.46 |
| San Juan | NM | San Juan | 2 | 1,818 | 918 | -900 | -50% | 0.11 |
| Mohave | NV | Clark | 1 | | | | | |
| Mohave | NV | Clark | 2 | | | | | |
| North Valmy | NV | Humboldt | 1 | 3,298 | 1,601 | -1,697 | -51% | 0.67 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Gerald Gentleman Station | 0.62 | 0.06 | 10% | 4,507 | 4,075 | -432 |
| Gerald Gentleman Station | 0.62 | 0.04 | 6% | 3,831 | 2,013 | -1,818 |
| Gerald Whelan Energy Center | 0.77 | 0.05 | 8% | 284 | 307 | 23 |
| Gerald Whelan Energy Center | 0.81 | 0.12 | 18% | 276 | 220 | -56 |
| Lon D Wright Power Plant | 0.50 | -0.26 | -34% | 145 | 133 | -12 |
| Lon D Wright Power Plant | 0.54 | -0.23 | -30% | 177 | 95 | -81 |
| Nebraska City Station | 0.38 | -0.29 | -43% | 2,690 | 3,053 | 363 |
| Nebraska City Station | 0.42 | -0.33 | -44% | 2,304 | 2,609 | 306 |
| North Omaha Station | 0.57 | -0.20 | -26% | 1,415 | 1,578 | 164 |
| North Omaha Station | 0.52 | -0.23 | -31% | 1,699 | 1,668 | -30 |
| Platte | 0.68 | -0.03 | -4% | 405 | 348 | -57 |
| Platte | 0.66 | -0.07 | -9% | 341 | 256 | -85 |
| Sheldon | 0.54 | 0.05 | 9% | 2,102 | 1,641 | -461 |
| Sheldon | 0.53 | -0.01 | -1% | 1,875 | 1,614 | -261 |
| Merrimack | 2.24 | 0.36 | 19% | 939 | 1,088 | 149 |
| Merrimack | 2.67 | 0.63 | 31% | 590 | 817 | 227 |
| Schiller | 0.47 | -0.21 | -31% | 259 | 270 | 12 |
| Schiller | 0.52 | -0.24 | -32% | 252 | 179 | -73 |
| B L England | 0.15 | 0.00 | 1% | 745 | 347 | -398 |
| B L England | 0.61 | -0.77 | -56% | 361 | 346 | -16 |
| Deepwater | 1.08 | 0.02 | 2% | 223 | 77 | -146 |
| Deepwater | | | | 164 | | |
| Hudson Generating Station | 0.16 | -0.04 | -18% | 1,053 | 650 | -403 |
| Hudson Generating Station | 0.16 | 0.02 | 15% | 166 | 737 | 571 |
| Mercer Generating Station | 0.97 | -0.16 | -14% | 308 | 242 | -67 |
| Mercer Generating Station | 1.08 | 0.04 | 3% | 350 | 171 | -179 |
| Escalante | 0.13 | 0.01 | 5% | 615 | 804 | 189 |
| Escalante | 0.13 | 0.00 | -1% | 841 | 680 | -161 |
| Four Corners Steam Elec Station | 0.15 | -0.01 | -7% | 8,731 | 8,407 | -324 |
| Four Corners Steam Elec Station | 0.15 | 0.01 | 7% | 8,539 | 9,493 | 953 |
| San Juan | 0.08 | -0.37 | -82% | 5,539 | 2,991 | -2,548 |
| San Juan | 0.07 | -0.04 | -36% | 6,036 | 3,736 | -2,300 |
| Mohave | | | | | | |
| Mohave | | | | | | |
| North Valmy | 0.40 | -0.26 | -39% | 2,195 | 1,430 | -765 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Gerald Gentleman Station | -10% | 0.30 | 0.29 | -0.01 | -3% | 29,948,259 |
| Gerald Gentleman Station | -47% | 0.28 | 0.23 | -0.05 | -18% | 27,613,893 |
| Gerald Whelan Energy Center | 8% | 0.32 | 0.39 | 0.06 | 20% | 1,760,246 |
| Gerald Whelan Energy Center | -20% | 0.35 | 0.39 | 0.04 | 11% | 1,569,516 |
| Lon D Wright Power Plant | -8% | 0.23 | 0.19 | -0.04 | -17% | 1,283,776 |
| Lon D Wright Power Plant | -46% | 0.24 | 0.19 | -0.05 | -21% | 1,467,288 |
| Nebraska City Station | 14% | 0.43 | 0.26 | -0.17 | -39% | 12,405,246 |
| Nebraska City Station | 13% | 0.39 | 0.26 | -0.13 | -33% | 11,744,240 |
| North Omaha Station | 12% | 0.34 | 0.34 | 0.01 | 2% | 8,384,897 |
| North Omaha Station | -2% | 0.31 | 0.36 | 0.05 | 17% | 11,016,930 |
| Platte | -14% | 0.35 | 0.34 | 0.00 | -1% | 2,345,388 |
| Platte | -25% | 0.35 | 0.34 | -0.01 | -2% | 1,953,098 |
| Sheldon | -22% | 0.94 | 0.81 | -0.13 | -14% | 4,464,790 |
| Sheldon | -14% | 0.88 | 0.77 | -0.11 | -12% | 4,267,894 |
| Merrimack | 16% | 0.20 | 0.25 | 0.05 | 23% | 9,276,544 |
| Merrimack | 39% | 0.25 | 0.24 | -0.01 | -4% | 4,696,995 |
| Schiller | 5% | 0.17 | 0.18 | 0.01 | 4% | 2,971,193 |
| Schiller | -29% | 0.15 | 0.18 | 0.03 | 19% | 3,285,814 |
| B L England | -53% | 0.54 | 0.42 | -0.12 | -22% | 2,758,206 |
| B L England | -4% | 0.52 | 0.42 | -0.09 | -18% | 1,397,753 |
| Deepwater | -65% | 0.43 | 0.44 | 0.01 | 1% | 1,032,849 |
| Deepwater | | 0.41 | | | | 799,916 |
| Hudson Generating Station | -38% | 0.27 | 0.20 | -0.07 | -25% | 7,804,927 |
| Hudson Generating Station | 344% | 0.21 | 0.20 | -0.01 | -3% | 1,597,701 |
| Mercer Generating Station | -22% | 0.08 | 0.08 | 0.00 | -1% | 7,375,979 |
| Mercer Generating Station | -51% | 0.09 | 0.08 | -0.01 | -7% | 7,690,574 |
| Escalante | 31% | 0.35 | 0.31 | -0.04 | -11% | 3,511,822 |
| Escalante | -19% | 0.35 | 0.34 | -0.01 | -3% | 4,801,958 |
| Four Corners Steam Elec Station | -4% | 0.56 | 0.56 | 0.01 | 1% | 31,401,171 |
| Four Corners Steam Elec Station | 11% | 0.56 | 0.54 | -0.03 | -5% | 30,343,507 |
| San Juan | -46% | 0.52 | 0.28 | -0.24 | -46% | 21,469,463 |
| San Juan | -38% | 0.36 | 0.28 | -0.08 | -21% | 33,515,977 |
| Mohave | | | | | | |
| Mohave | | | | | | |
| North Valmy | -35% | 0.44 | 0.36 | -0.08 | -19% | 9,913,308 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Gerald Gentleman Station | 27,828,396 | -2,119,864 | -7% |
| Gerald Gentleman Station | 17,686,359 | -9,927,534 | -36% |
| Gerald Whelan Energy Center | 1,585,627 | -174,620 | -10% |
| Gerald Whelan Energy Center | 1,125,280 | -444,236 | -28% |
| Lon D Wright Power Plant | 1,413,530 | 129,754 | 10% |
| Lon D Wright Power Plant | 999,449 | -467,840 | -32% |
| Nebraska City Station | 23,213,435 | 10,808,188 | 87% |
| Nebraska City Station | 19,929,766 | 8,185,526 | 70% |
| North Omaha Station | 9,177,948 | 793,052 | 9% |
| North Omaha Station | 9,284,605 | -1,732,325 | -16% |
| Platte | 2,027,385 | -318,003 | -14% |
| Platte | 1,501,740 | -451,359 | -23% |
| Sheldon | 4,037,148 | -427,642 | -10% |
| Sheldon | 4,180,663 | -87,231 | -2% |
| Merrimack | 8,709,410 | -567,134 | -6% |
| Merrimack | 6,759,786 | 2,062,791 | 44% |
| Schiller | 2,974,751 | 3,558 | 0% |
| Schiller | 1,957,096 | -1,328,718 | -40% |
| B L England | 1,643,459 | -1,114,746 | -40% |
| B L England | 1,633,650 | 235,897 | 17% |
| Deepwater | 352,157 | -680,691 | -66% |
| Deepwater | | | |
| Hudson Generating Station | 6,428,242 | -1,376,685 | -18% |
| Hudson Generating Station | 7,353,108 | 5,755,406 | 360% |
| Mercer Generating Station | 5,854,663 | -1,521,316 | -21% |
| Mercer Generating Station | 4,049,474 | -3,641,100 | -47% |
| Escalante | 5,134,897 | 1,623,076 | 46% |
| Escalante | 3,987,801 | -814,157 | -17% |
| Four Corners Steam Elec Station | 29,836,264 | -1,564,907 | -5% |
| Four Corners Steam Elec Station | 35,390,755 | 5,047,247 | 17% |
| San Juan | 21,431,529 | -37,934 | 0% |
| San Juan | 26,318,608 | -7,197,369 | -21% |
| Mohave | | | |
| Mohave | | | |
| North Valmy | 7,931,398 | -1,981,910 | -20% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| North Valmy | NV | Humboldt | 2 | 1,305 | 1,171 | -134 | -10% | 0.43 |
| Reid Gardner | NV | Clark | 1 | 178 | 337 | 158 | 89% | 0.04 |
| Reid Gardner | NV | Clark | 2 | 171 | 289 | 118 | 69% | 0.04 |
| TS Power Plant | NV | Eureka | 1 | | 79 | | | |
| TS Power Plant | NV | Eureka | 2 | 65 | 52 | -12 | -19% | 0.05 |
| AES Cayuga, LLC | NY | Tompkins | 1 | 812 | 551 | -261 | -32% | 0.28 |
| AES Cayuga, LLC | NY | Tompkins | 2 | 553 | 1,775 | 1,222 | 221% | 0.20 |
| AES Greenidge | NY | Yates | 1 | 193 | 106 | -88 | -45% | 0.21 |
| AES Greenidge | NY | Yates | 2 | 98 | 125 | 27 | 27% | 0.12 |
| AES Somerset (Kintigh ) | NY | Niagara | 1 | 1,104 | 1,882 | 778 | 70% | 0.17 |
| AES Somerset (Kintigh ) | NY | Niagara | 2 | 634 | 1,768 | 1,134 | 179% | 0.12 |
| AES Westover (Goudey) | NY | Broome | 1 | 1,803 | 140 | -1,663 | -92% | 2.77 |
| AES Westover (Goudey) | NY | Broome | 2 | 1,668 | 43 | -1,625 | -97% | 2.53 |
| Dynegy Danskammer | NY | Orange | 1 | 3,394 | 2,444 | -950 | -28% | 0.93 |
| Dynegy Danskammer | NY | Orange | 2 | 2,629 | 1,367 | -1,262 | -48% | 0.93 |
| Huntley Power | NY | Erie | 1 | 1,819 | 1,799 | -20 | -1% | 0.53 |
| Huntley Power | NY | Erie | 2 | 1,824 | 902 | -923 | -51% | 0.55 |
| Lovett Generating Station | NY | Rockland | 1 | 1,269 | | | | 0.89 |
| Lovett Generating Station | NY | Rockland | 2 | 341 | | | | 0.90 |
| Niagara Generation, LLC | NY | Niagara | 1 | 183 | 160 | -23 | -13% | 0.44 |
| Niagara Generation, LLC | NY | Niagara | 2 | 204 | | | | 0.40 |
| NRG Dunkirk Power | NY | Chautauqua | 1 | 2,590 | 2,096 | -494 | -19% | 0.51 |
| NRG Dunkirk Power | NY | Chautauqua | 2 | 2,193 | 961 | -1,232 | -56% | 0.56 |
| Rochester 7 - Russell Station | NY | Monroe | 1 | 4,329 | | | | 3.28 |
| Rochester 7 - Russell Station | NY | Monroe | 2 | 318 | | | | 3.15 |
| S A Carlson | NY | Chautauqua | 1 | 998 | 672 | -326 | -33% | 2.80 |
| S A Carlson | NY | Chautauqua | 2 | 745 | 51 | -693 | -93% | 2.97 |
| Ashtabula | OH | Ashtabula | 1 | 1,213 | 3,120 | 1,907 | 157% | 0.54 |
| Ashtabula | OH | Ashtabula | 2 | 368 | 765 | 396 | 108% | 0.47 |
| Avon Lake Power Plant | OH | Lorain | 1 | 6,220 | 11,672 | 5,453 | 88% | 1.52 |
| Avon Lake Power Plant | OH | Lorain | 2 | 5,188 | 9,612 | 4,425 | 85% | 1.35 |
| Bay Shore | OH | Lucas | 1 | 3,338 | 3,571 | 233 | 7% | 0.56 |
| Bay Shore | OH | Lucas | 2 | 3,423 | 3,570 | 147 | 4% | 0.56 |
| Cardinal | OH | Jefferson | 1 | 11,511 | 9,042 | -2,470 | -21% | 1.09 |
| Cardinal | OH | Jefferson | 2 | 2,767 | 6,499 | 3,732 | 135% | 0.29 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| North Valmy | 0.58 | 0.15 | 35% | 1,057 | 714 | -344 |
| Reid Gardner | 0.08 | 0.04 | 99% | 1,499 | 1,210 | -289 |
| Reid Gardner | 0.07 | 0.02 | 51% | 1,278 | 1,114 | -165 |
| TS Power Plant | 0.04 | | | | 98 | |
| TS Power Plant | 0.04 | -0.01 | -21% | 68 | 58 | -9 |
| AES Cayuga, LLC | 0.25 | -0.04 | -12% | 680 | 598 | -82 |
| AES Cayuga, LLC | 0.84 | 0.65 | 328% | 616 | 557 | -59 |
| AES Greenidge | 0.14 | -0.07 | -33% | 154 | 129 | -25 |
| AES Greenidge | 0.16 | 0.04 | 33% | 128 | 136 | 8 |
| AES Somerset (Kintigh ) | 0.35 | 0.18 | 100% | 1,451 | 1,294 | -156 |
| AES Somerset (Kintigh ) | 0.30 | 0.18 | 153% | 861 | 1,158 | 297 |
| AES Westover (Goudey) | 0.26 | -2.51 | -90% | 193 | 65 | -127 |
| AES Westover (Goudey) | 0.26 | -2.27 | -90% | 194 | 20 | -174 |
| Dynegy Danskammer | 0.95 | 0.02 | 3% | 1,033 | 651 | -381 |
| Dynegy Danskammer | 0.97 | 0.04 | 4% | 759 | 343 | -417 |
| Huntley Power | 0.59 | 0.06 | 11% | 512 | 456 | -56 |
| Huntley Power | 0.54 | -0.01 | -2% | 490 | 279 | -210 |
| Lovett Generating Station | | | | 506 | | |
| Lovett Generating Station | | | | 138 | | |
| Niagara Generation, LLC | 0.38 | -0.07 | -15% | 94 | 44 | -50 |
| Niagara Generation, LLC | | | | 72 | | |
| NRG Dunkirk Power | 0.49 | -0.02 | -4% | 813 | 657 | -155 |
| NRG Dunkirk Power | 0.51 | -0.05 | -9% | 632 | 298 | -334 |
| Rochester 7 - Russell Station | | | | 438 | | |
| Rochester 7 - Russell Station | | | | 29 | | |
| S A Carlson | 2.33 | -0.47 | -17% | 144 | 118 | -26 |
| S A Carlson | 1.90 | -1.07 | -36% | 101 | 10 | -92 |
| Ashtabula | 1.44 | 0.90 | 166% | 344 | 743 | 399 |
| Ashtabula | 0.69 | 0.21 | 45% | 214 | 291 | 77 |
| Avon Lake Power Plant | 2.89 | 1.37 | 90% | 1,663 | 1,697 | 34 |
| Avon Lake Power Plant | 2.91 | 1.56 | 116% | 1,426 | 1,257 | -169 |
| Bay Shore | 0.66 | 0.11 | 19% | 1,932 | 1,902 | -31 |
| Bay Shore | 0.56 | 0.00 | 1% | 1,977 | 2,056 | 79 |
| Cardinal | 0.68 | -0.42 | -38% | 6,134 | 542 | -5,592 |
| Cardinal | 0.58 | 0.29 | 100% | 2,225 | 480 | -1,745 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| North Valmy | -33% | 0.35 | 0.35 | 0.01 | 2% | 6,071,306 |
| Reid Gardner | -19% | 0.32 | 0.27 | -0.05 | -15% | 9,428,511 |
| Reid Gardner | -13% | 0.33 | 0.25 | -0.07 | -22% | 7,850,919 |
| TS Power Plant | | | 0.05 | | | |
| TS Power Plant | -14% | 0.05 | 0.04 | -0.01 | -16% | 2,568,436 |
| AES Cayuga, LLC | -12% | 0.24 | 0.27 | 0.03 | 13% | 5,779,242 |
| AES Cayuga, LLC | -10% | 0.22 | 0.26 | 0.05 | 21% | 5,619,574 |
| AES Greenidge | -16% | 0.17 | 0.17 | 0.00 | 2% | 1,859,383 |
| AES Greenidge | 6% | 0.16 | 0.18 | 0.02 | 11% | 1,629,469 |
| AES Somerset (Kintigh ) | -11% | 0.23 | 0.24 | 0.01 | 5% | 12,622,154 |
| AES Somerset (Kintigh ) | 34% | 0.16 | 0.20 | 0.04 | 22% | 10,770,891 |
| AES Westover (Goudey) | -66% | 0.30 | 0.12 | -0.17 | -58% | 1,301,948 |
| AES Westover (Goudey) | -90% | 0.29 | 0.12 | -0.18 | -60% | 1,319,802 |
| Dynegy Danskammer | -37% | 0.28 | 0.25 | -0.03 | -10% | 7,297,012 |
| Dynegy Danskammer | -55% | 0.27 | 0.24 | -0.03 | -10% | 5,657,019 |
| Huntley Power | -11% | 0.15 | 0.15 | 0.00 | 0% | 6,894,324 |
| Huntley Power | -43% | 0.15 | 0.17 | 0.02 | 14% | 6,677,677 |
| Lovett Generating Station | | 0.35 | | | | 2,868,719 |
| Lovett Generating Station | | 0.36 | | | | 760,480 |
| Niagara Generation, LLC | -54% | 0.23 | 0.10 | -0.12 | -55% | 825,945 |
| Niagara Generation, LLC | | 0.14 | | | | 1,029,344 |
| NRG Dunkirk Power | -19% | 0.16 | 0.15 | -0.01 | -4% | 10,069,190 |
| NRG Dunkirk Power | -53% | 0.16 | 0.16 | 0.00 | -2% | 7,839,865 |
| Rochester 7 - Russell Station | | 0.33 | | | | 2,639,274 |
| Rochester 7 - Russell Station | | 0.29 | | | | 201,660 |
| S A Carlson | -18% | 0.40 | 0.41 | 0.01 | 1% | 712,438 |
| S A Carlson | -91% | 0.41 | 0.35 | -0.05 | -13% | 500,676 |
| Ashtabula | 116% | 0.15 | 0.34 | 0.19 | 123% | 4,480,181 |
| Ashtabula | 36% | 0.28 | 0.26 | -0.01 | -5% | 1,555,557 |
| Avon Lake Power Plant | 2% | 0.41 | 0.42 | 0.01 | 3% | 8,164,358 |
| Avon Lake Power Plant | -12% | 0.37 | 0.38 | 0.01 | 3% | 7,713,541 |
| Bay Shore | -2% | 0.32 | 0.35 | 0.03 | 10% | 11,983,418 |
| Bay Shore | 4% | 0.32 | 0.32 | 0.00 | 1% | 12,250,337 |
| Cardinal | -91% | 0.58 | 0.04 | -0.54 | -93% | 21,037,633 |
| Cardinal | -78% | 0.23 | 0.04 | -0.19 | -82% | 19,255,983 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| North Valmy | 4,032,417 | -2,038,889 | -34% |
| Reid Gardner | 8,958,888 | -469,623 | -5% |
| Reid Gardner | 8,772,207 | 921,288 | 12% |
| TS Power Plant | 3,848,040 | | |
| TS Power Plant | 2,645,731 | 77,294 | 3% |
| AES Cayuga, LLC | 4,483,459 | -1,295,784 | -22% |
| AES Cayuga, LLC | 4,209,668 | -1,409,906 | -25% |
| AES Greenidge | 1,524,479 | -334,904 | -18% |
| AES Greenidge | 1,554,720 | -74,749 | -5% |
| AES Somerset (Kintigh ) | 10,756,905 | -1,865,249 | -15% |
| AES Somerset (Kintigh ) | 11,844,678 | 1,073,786 | 10% |
| AES Westover (Goudey) | 1,065,574 | -236,374 | -18% |
| AES Westover (Goudey) | 333,639 | -986,163 | -75% |
| Dynegy Danskammer | 5,122,268 | -2,174,744 | -30% |
| Dynegy Danskammer | 2,822,741 | -2,834,278 | -50% |
| Huntley Power | 6,148,525 | -745,799 | -11% |
| Huntley Power | 3,352,911 | -3,324,766 | -50% |
| Lovett Generating Station | | | |
| Lovett Generating Station | | | |
| Niagara Generation, LLC | 851,706 | 25,761 | 3% |
| Niagara Generation, LLC | | | |
| NRG Dunkirk Power | 8,483,664 | -1,585,527 | -16% |
| NRG Dunkirk Power | 3,776,940 | -4,062,925 | -52% |
| Rochester 7 - Russell Station | | | |
| Rochester 7 - Russell Station | | | |
| S A Carlson | 577,208 | -135,230 | -19% |
| S A Carlson | 54,078 | -446,599 | -89% |
| Ashtabula | 4,340,089 | -140,092 | -3% |
| Ashtabula | 2,222,582 | 667,025 | 43% |
| Avon Lake Power Plant | 8,075,262 | -89,096 | -1% |
| Avon Lake Power Plant | 6,617,281 | -1,096,259 | -14% |
| Bay Shore | 10,751,252 | -1,232,167 | -10% |
| Bay Shore | 12,666,733 | 416,397 | 3% |
| Cardinal | 26,712,200 | 5,674,567 | 27% |
| Cardinal | 22,566,823 | 3,310,840 | 17% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Conesville | OH | Coshocton | 1 | 21,805 | 3,828 | -17,976 | -82% | 1.66 |
| Conesville | OH | Coshocton | 2 | 26,691 | 4,691 | -22,000 | -82% | 2.52 |
| Eastlake | OH | Lake | 1 | 13,497 | 8,065 | -5,431 | -40% | 1.43 |
| Eastlake | OH | Lake | 2 | 12,663 | 12,727 | 64 | 1% | 1.36 |
| Gen J M Gavin | OH | Gallia | 1 | 5,905 | 6,336 | 431 | 7% | 0.25 |
| Gen J M Gavin | OH | Gallia | 2 | 7,646 | 5,370 | -2,277 | -30% | 0.35 |
| Hamilton Municipal Power Plant | OH | Butler | 1 | 504 | 0 | -504 | -100% | 0.86 |
| Hamilton Municipal Power Plant | OH | Butler | 2 | 307 | 241 | -66 | -22% | 0.84 |
| J M Stuart | OH | Adams | 1 | 22,439 | 2,893 | -19,546 | -87% | 1.22 |
| J M Stuart | OH | Adams | 2 | 6,947 | 3,151 | -3,796 | -55% | 0.34 |
| Killen Station | OH | Adams | 1 | 304 | 1,658 | 1,355 | 446% | 0.06 |
| Killen Station | OH | Adams | 2 | 158 | 975 | 817 | 517% | 0.03 |
| Kyger Creek | OH | Gallia | 1 | 15,828 | 22,878 | 7,050 | 45% | 1.91 |
| Kyger Creek | OH | Gallia | 2 | 15,574 | 26,396 | 10,822 | 69% | 1.79 |
| Lake Shore | OH | Cuyahoga | 1 | 1,325 | 1,031 | -294 | -22% | 0.89 |
| Lake Shore | OH | Cuyahoga | 2 | 1,042 | 644 | -397 | -38% | 0.79 |
| Miami Fort Generating Station | OH | Hamilton | 1 | 7,404 | 6,325 | -1,079 | -15% | 0.66 |
| Miami Fort Generating Station | OH | Hamilton | 2 | 5,930 | 6,082 | 152 | 3% | 0.68 |
| Muskingum River | OH | Washington | 1 | 37,164 | 25,707 | -11,457 | -31% | 3.11 |
| Muskingum River | OH | Washington | 2 | 28,694 | 21,512 | -7,182 | -25% | 2.90 |
| Niles | OH | Trumbull | 1 | 4,121 | 4,820 | 698 | 17% | 2.49 |
| Niles | OH | Trumbull | 2 | 3,066 | | | | 2.68 |
| O H Hutchings | OH | Montgomery | 1 | 1,258 | 490 | -768 | -61% | 1.31 |
| O H Hutchings | OH | Montgomery | 2 | 562 | 253 | -309 | -55% | 1.17 |
| Picway | OH | Pickaway | 1 | 2,062 | 226 | -1,836 | -89% | 2.73 |
| Picway | OH | Pickaway | 2 | 1,519 | 249 | -1,270 | -84% | 3.07 |
| R E Burger | OH | Belmont | 1 | 4,582 | 4,209 | -373 | -8% | 1.94 |
| R E Burger | OH | Belmont | 2 | 2,511 | 2,551 | 40 | 2% | 1.56 |
| Richard Gorsuch | OH | Washington | 1 | 6,885 | 4,981 | -1,904 | -28% | 3.11 |
| Richard Gorsuch | OH | Washington | 2 | 7,963 | 4,880 | -3,082 | -39% | 3.70 |
| W H Sammis | OH | Jefferson | 1 | 23,757 | 9,686 | -14,071 | -59% | 1.25 |
| W H Sammis | OH | Jefferson | 2 | 26,919 | 651 | -26,268 | -98% | 1.49 |
| W H Zimmer Generating Station | OH | Clermont | 1 | 4,449 | 5,279 | 829 | 19% | 0.39 |
| W H Zimmer Generating Station | OH | Clermont | 2 | 3,017 | 4,753 | 1,736 | 58% | 0.27 |
| Walter C Beckjord Generating Station | OH | Clermont | 1 | 10,362 | 11,534 | 1,172 | 11% | 1.52 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Conesville | 0.40 | -1.26 | -76% | 5,822 | 2,510 | -3,312 |
| Conesville | 0.48 | -2.05 | -81% | 4,210 | 2,201 | -2,009 |
| Eastlake | 1.35 | -0.07 | -5% | 2,381 | 1,639 | -742 |
| Eastlake | 1.41 | 0.06 | 4% | 2,314 | 2,272 | -42 |
| Gen J M Gavin | 0.27 | 0.02 | 10% | 19,131 | 1,863 | -17,268 |
| Gen J M Gavin | 0.33 | -0.02 | -7% | 4,953 | 1,418 | -3,535 |
| Hamilton Municipal Power Plant | 0.27 | -0.60 | -69% | 201 | 0 | -201 |
| Hamilton Municipal Power Plant | 0.88 | 0.04 | 5% | 106 | 75 | -31 |
| J M Stuart | 0.16 | -1.06 | -87% | 11,416 | 2,158 | -9,258 |
| J M Stuart | 0.17 | -0.16 | -48% | 4,703 | 1,890 | -2,813 |
| Killen Station | 0.26 | 0.21 | 366% | 3,144 | 1,166 | -1,979 |
| Killen Station | 0.21 | 0.18 | 595% | 1,665 | 824 | -841 |
| Kyger Creek | 2.75 | 0.84 | 44% | 5,334 | 1,054 | -4,280 |
| Kyger Creek | 3.57 | 1.77 | 99% | 2,202 | 1,007 | -1,194 |
| Lake Shore | 0.72 | -0.17 | -19% | 495 | 415 | -80 |
| Lake Shore | 0.73 | -0.06 | -7% | 391 | 233 | -158 |
| Miami Fort Generating Station | 0.60 | -0.05 | -8% | 5,235 | 1,292 | -3,943 |
| Miami Fort Generating Station | 0.60 | -0.08 | -12% | 1,759 | 1,228 | -531 |
| Muskingum River | 2.61 | -0.50 | -16% | 5,861 | 2,389 | -3,472 |
| Muskingum River | 3.60 | 0.70 | 24% | 3,342 | 2,145 | -1,197 |
| Niles | 4.77 | 2.28 | 91% | 1,522 | 841 | -681 |
| Niles | | | | 861 | | |
| O H Hutchings | 1.25 | -0.06 | -5% | 355 | 170 | -185 |
| O H Hutchings | 1.15 | -0.02 | -2% | 167 | 78 | -89 |
| Picway | 2.87 | 0.15 | 5% | 355 | 34 | -322 |
| Picway | 2.58 | -0.49 | -16% | 244 | 45 | -199 |
| R E Burger | 2.62 | 0.68 | 35% | 763 | 555 | -208 |
| R E Burger | 2.09 | 0.53 | 34% | 470 | 323 | -147 |
| Richard Gorsuch | 3.15 | 0.04 | 1% | 880 | 496 | -384 |
| Richard Gorsuch | 3.33 | -0.37 | -10% | 827 | 483 | -344 |
| W H Sammis | 1.13 | -0.11 | -9% | 4,795 | 2,389 | -2,406 |
| W H Sammis | 0.05 | -1.43 | -96% | 4,654 | 2,110 | -2,544 |
| W H Zimmer Generating Station | 0.43 | 0.05 | 12% | 7,108 | 2,827 | -4,281 |
| W H Zimmer Generating Station | 0.44 | 0.18 | 67% | 2,577 | 2,171 | -406 |
| Walter C Beckjord Generating Station | 2.18 | 0.66 | 43% | 2,858 | 2,032 | -826 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Conesville | -57% | 0.44 | 0.26 | -0.18 | -41% | 26,324,101 |
| Conesville | -48% | 0.40 | 0.22 | -0.17 | -44% | 21,151,643 |
| Eastlake | -31% | 0.25 | 0.28 | 0.02 | 9% | 18,900,509 |
| Eastlake | -2% | 0.25 | 0.25 | 0.00 | 2% | 18,659,579 |
| Gen J M Gavin | -90% | 0.80 | 0.08 | -0.72 | -90% | 47,824,087 |
| Gen J M Gavin | -71% | 0.23 | 0.09 | -0.14 | -62% | 43,794,140 |
| Hamilton Municipal Power Plant | -100% | 0.34 | 0.03 | -0.31 | -90% | 1,166,925 |
| Hamilton Municipal Power Plant | -30% | 0.29 | 0.27 | -0.02 | -5% | 736,319 |
| J M Stuart | -81% | 0.62 | 0.12 | -0.50 | -81% | 36,755,531 |
| J M Stuart | -60% | 0.23 | 0.10 | -0.12 | -54% | 41,392,427 |
| Killen Station | -63% | 0.59 | 0.19 | -0.40 | -68% | 10,689,379 |
| Killen Station | -51% | 0.31 | 0.17 | -0.14 | -44% | 10,644,883 |
| Kyger Creek | -80% | 0.65 | 0.13 | -0.52 | -80% | 16,531,631 |
| Kyger Creek | -54% | 0.25 | 0.14 | -0.12 | -46% | 17,374,316 |
| Lake Shore | -16% | 0.33 | 0.29 | -0.04 | -13% | 2,992,054 |
| Lake Shore | -40% | 0.30 | 0.26 | -0.03 | -11% | 2,646,353 |
| Miami Fort Generating Station | -75% | 0.46 | 0.12 | -0.34 | -73% | 22,599,894 |
| Miami Fort Generating Station | -30% | 0.20 | 0.12 | -0.08 | -40% | 17,396,879 |
| Muskingum River | -59% | 0.49 | 0.24 | -0.25 | -51% | 23,935,807 |
| Muskingum River | -36% | 0.34 | 0.36 | 0.02 | 6% | 19,800,425 |
| Niles | -45% | 0.92 | 0.83 | -0.09 | -10% | 3,311,626 |
| Niles | | 0.75 | | | | 2,292,145 |
| O H Hutchings | -52% | 0.37 | 0.43 | 0.06 | 17% | 1,914,154 |
| O H Hutchings | -53% | 0.35 | 0.36 | 0.01 | 2% | 959,693 |
| Picway | -91% | 0.47 | 0.43 | -0.04 | -9% | 1,511,716 |
| Picway | -82% | 0.49 | 0.47 | -0.03 | -6% | 987,799 |
| R E Burger | -27% | 0.32 | 0.35 | 0.02 | 7% | 4,728,424 |
| R E Burger | -31% | 0.29 | 0.26 | -0.03 | -9% | 3,220,725 |
| Richard Gorsuch | -44% | 0.40 | 0.31 | -0.08 | -21% | 4,429,014 |
| Richard Gorsuch | -42% | 0.38 | 0.33 | -0.05 | -14% | 4,307,482 |
| W H Sammis | -50% | 0.25 | 0.28 | 0.03 | 11% | 38,134,769 |
| W H Sammis | -55% | 0.26 | 0.18 | -0.08 | -32% | 36,190,744 |
| W H Zimmer Generating Station | -60% | 0.62 | 0.23 | -0.39 | -62% | 22,978,971 |
| W H Zimmer Generating Station | -16% | 0.23 | 0.20 | -0.02 | -11% | 22,708,155 |
| Walter C Beckjord Generating Station | -29% | 0.42 | 0.38 | -0.04 | -9% | 13,629,173 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Conesville | 19,324,415 | -6,999,686 | -27% |
| Conesville | 19,723,225 | -1,428,418 | -7% |
| Eastlake | 11,918,777 | -6,981,732 | -37% |
| Eastlake | 18,005,036 | -654,543 | -4% |
| Gen J M Gavin | 46,610,308 | -1,213,779 | -3% |
| Gen J M Gavin | 32,950,612 | -10,843,528 | -25% |
| Hamilton Municipal Power Plant | 15 | -1,166,910 | -100% |
| Hamilton Municipal Power Plant | 548,118 | -188,202 | -26% |
| J M Stuart | 36,923,761 | 168,229 | 0% |
| J M Stuart | 36,296,330 | -5,096,098 | -12% |
| Killen Station | 12,517,243 | 1,827,865 | 17% |
| Killen Station | 9,449,752 | -1,195,131 | -11% |
| Kyger Creek | 16,615,831 | 84,201 | 1% |
| Kyger Creek | 14,808,036 | -2,566,280 | -15% |
| Lake Shore | 2,867,151 | -124,904 | -4% |
| Lake Shore | 1,766,061 | -880,292 | -33% |
| Miami Fort Generating Station | 20,921,149 | -1,678,745 | -7% |
| Miami Fort Generating Station | 20,212,505 | 2,815,625 | 16% |
| Muskingum River | 19,714,775 | -4,221,032 | -18% |
| Muskingum River | 11,954,388 | -7,846,037 | -40% |
| Niles | 2,022,585 | -1,289,041 | -39% |
| Niles | | | |
| O H Hutchings | 783,435 | -1,130,719 | -59% |
| O H Hutchings | 439,560 | -520,133 | -54% |
| Picway | 157,273 | -1,354,443 | -90% |
| Picway | 192,417 | -795,383 | -81% |
| R E Burger | 3,217,071 | -1,511,353 | -32% |
| R E Burger | 2,442,543 | -778,182 | -24% |
| Richard Gorsuch | 3,164,174 | -1,264,839 | -29% |
| Richard Gorsuch | 2,934,257 | -1,373,225 | -32% |
| W H Sammis | 17,083,918 | -21,050,851 | -55% |
| W H Sammis | 23,954,301 | -12,236,443 | -34% |
| W H Zimmer Generating Station | 24,295,893 | 1,316,922 | 6% |
| W H Zimmer Generating Station | 21,403,213 | -1,304,942 | -6% |
| Walter C Beckjord Generating Station | 10,593,844 | -3,035,329 | -22% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Walter C Beckjord Generating Station | OH | Clermont | 2 | 4,911 | 16,933 | 12,022 | 245% | 1.48 |
| Grand River Dam Authority | OK | Mayes | 1 | 4,896 | 4,605 | -291 | -6% | 0.42 |
| Grand River Dam Authority | OK | Mayes | 2 | 3,757 | 2,539 | -1,218 | -32% | 0.39 |
| Hugo | OK | Choctaw | 1 | 2,984 | 2,253 | -731 | -24% | 0.59 |
| Hugo | OK | Choctaw | 2 | 2,001 | 1,375 | -625 | -31% | 0.60 |
| Muskogee | OK | Muskogee | 1 | 4,834 | 5,387 | 553 | 11% | 0.49 |
| Muskogee | OK | Muskogee | 2 | 6,627 | 6,043 | -584 | -9% | 0.50 |
| Northeastern | OK | Rogers | 1 | 6,972 | 4,722 | -2,250 | -32% | 0.77 |
| Northeastern | OK | Rogers | 2 | 4,603 | 3,034 | -1,569 | -34% | 0.81 |
| Sooner | OK | Noble | 1 | 4,769 | 4,262 | -508 | -11% | 0.48 |
| Sooner | OK | Noble | 2 | 5,786 | 5,078 | -708 | -12% | 0.53 |
| Boardman | OR | Morrow | 1 | 3,302 | 4,594 | 1,292 | 39% | 0.55 |
| Boardman | OR | Morrow | 2 | 1,401 | 1,890 | 489 | 35% | 0.54 |
| Armstrong Power Station | PA | Armstrong | 1 | 6,365 | 7,031 | 666 | 10% | 2.79 |
| Armstrong Power Station | PA | Armstrong | 2 | 4,521 | 6,632 | 2,111 | 47% | 2.88 |
| Bruce Mansfield | PA | Beaver | 1 | 1,873 | 5,827 | 3,954 | 211% | 0.09 |
| Bruce Mansfield | PA | Beaver | 2 | 2,175 | 4,954 | 2,779 | 128% | 0.12 |
| Brunner Island | PA | York | 1 | 24,812 | 4,615 | -20,196 | -81% | 2.14 |
| Brunner Island | PA | York | 2 | 25,703 | 4,411 | -21,292 | -83% | 2.46 |
| Cheswick | PA | Allegheny | 1 | 9,107 | 9,298 | 191 | 2% | 2.42 |
| Cheswick | PA | Allegheny | 2 | 7,649 | 2,143 | -5,505 | -72% | 2.53 |
| Conemaugh | PA | Indiana | 1 | 1,657 | 1,972 | 315 | 19% | 0.11 |
| Conemaugh | PA | Indiana | 2 | 1,605 | 1,289 | -317 | -20% | 0.12 |
| Cromby | PA | Chester | 1 | 851 | 706 | -144 | -17% | 0.66 |
| Cromby | PA | Chester | 2 | 688 | 506 | -182 | -26% | 0.75 |
| Eddystone Generating Station | PA | Delaware | 1 | 983 | 1,413 | 430 | 44% | 0.39 |
| Eddystone Generating Station | PA | Delaware | 2 | 1,677 | 1,075 | -602 | -36% | 0.39 |
| Elrama | PA | Washington | 1 | 1,181 | 392 | -789 | -67% | 0.36 |
| Elrama | PA | Washington | 2 | 720 | 406 | -314 | -44% | 0.40 |
| Gilberton Power Company | PA | Schuylkill | 1 | 58 | 367 | 309 | 537% | 0.06 |
| Gilberton Power Company | PA | Schuylkill | 2 | 358 | 299 | -59 | -16% | 0.35 |
| Hatfields Ferry Power Station | PA | Greene | 1 | 41,338 | 404 | -40,933 | -99% | 3.04 |
| Hatfields Ferry Power Station | PA | Greene | 2 | 38,364 | 482 | -37,883 | -99% | 2.95 |
| Homer City | PA | Indiana | 1 | 25,493 | 29,549 | 4,057 | 16% | 1.65 |
| Homer City | PA | Indiana | 2 | 20,692 | 25,950 | 5,258 | 25% | 1.85 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Walter C Beckjord Generating Station | 3.42 | 1.94 | 131% | 1,578 | 1,885 | 306 |
| Grand River Dam Authority | 0.44 | 0.02 | 5% | 4,264 | 3,984 | -280 |
| Grand River Dam Authority | 0.33 | -0.07 | -17% | 3,327 | 2,728 | -598 |
| Hugo | 0.59 | 0.00 | -1% | 993 | 747 | -246 |
| Hugo | 0.59 | -0.01 | -2% | 611 | 449 | -162 |
| Muskogee | 0.55 | 0.06 | 12% | 3,191 | 3,370 | 179 |
| Muskogee | 0.56 | 0.06 | 11% | 4,153 | 3,757 | -396 |
| Northeastern | 0.64 | -0.13 | -17% | 3,461 | 2,930 | -531 |
| Northeastern | 0.55 | -0.26 | -32% | 2,284 | 1,874 | -409 |
| Sooner | 0.56 | 0.08 | 17% | 3,465 | 2,425 | -1,040 |
| Sooner | 0.54 | 0.00 | 1% | 3,525 | 2,948 | -577 |
| Boardman | 0.78 | 0.22 | 40% | 2,672 | 2,581 | -91 |
| Boardman | 0.77 | 0.23 | 43% | 1,147 | 1,012 | -135 |
| Armstrong Power Station | 3.05 | 0.26 | 9% | 842 | 758 | -85 |
| Armstrong Power Station | 3.21 | 0.32 | 11% | 484 | 702 | 218 |
| Bruce Mansfield | 0.27 | 0.19 | 216% | 9,818 | 2,530 | -7,288 |
| Bruce Mansfield | 0.26 | 0.14 | 115% | 3,625 | 2,293 | -1,332 |
| Brunner Island | 0.35 | -1.79 | -84% | 4,212 | 4,586 | 373 |
| Brunner Island | 0.38 | -2.09 | -85% | 3,691 | 4,096 | 405 |
| Cheswick | 2.41 | -0.01 | 0% | 1,506 | 1,042 | -464 |
| Cheswick | 1.24 | -1.29 | -51% | 773 | 508 | -266 |
| Conemaugh | 0.13 | 0.02 | 21% | 5,360 | 5,276 | -83 |
| Conemaugh | 0.12 | 0.00 | -3% | 4,276 | 3,906 | -370 |
| Cromby | 0.76 | 0.11 | 16% | 540 | 379 | -161 |
| Cromby | 0.75 | 0.00 | 0% | 386 | 276 | -110 |
| Eddystone Generating Station | 0.39 | 0.00 | 0% | 810 | 1,090 | 281 |
| Eddystone Generating Station | 0.39 | 0.00 | 0% | 1,249 | 748 | -501 |
| Elrama | 0.40 | 0.04 | 12% | 1,737 | 462 | -1,274 |
| Elrama | 0.40 | 0.00 | 1% | 993 | 503 | -490 |
| Gilberton Power Company | 0.36 | 0.31 | 555% | 48 | 42 | -7 |
| Gilberton Power Company | 0.35 | 0.00 | 0% | 57 | 33 | -25 |
| Hatfields Ferry Power Station | 0.03 | -3.01 | -99% | 7,121 | 6,169 | -953 |
| Hatfields Ferry Power Station | 0.03 | -2.92 | -99% | 5,664 | 6,403 | 738 |
| Homer City | 2.05 | 0.40 | 24% | 6,701 | 2,620 | -4,082 |
| Homer City | 2.27 | 0.42 | 23% | 3,399 | 1,789 | -1,610 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Walter C Beckjord Generating Station | 19% | 0.48 | 0.38 | -0.10 | -20% | 6,622,350 |
| Grand River Dam Authority | -7% | 0.36 | 0.38 | 0.02 | 4% | 23,562,113 |
| Grand River Dam Authority | -18% | 0.35 | 0.35 | 0.00 | 1% | 19,084,978 |
| Hugo | -25% | 0.20 | 0.20 | 0.00 | -1% | 10,051,429 |
| Hugo | -27% | 0.18 | 0.19 | 0.01 | 5% | 6,661,362 |
| Muskogee | 6% | 0.32 | 0.34 | 0.02 | 6% | 19,795,716 |
| Muskogee | -10% | 0.31 | 0.35 | 0.03 | 11% | 26,533,853 |
| Northeastern | -15% | 0.38 | 0.40 | 0.01 | 4% | 18,049,782 |
| Northeastern | -18% | 0.40 | 0.34 | -0.06 | -15% | 11,422,735 |
| Sooner | -30% | 0.35 | 0.32 | -0.03 | -9% | 20,023,743 |
| Sooner | -16% | 0.33 | 0.31 | -0.01 | -4% | 21,659,692 |
| Boardman | -3% | 0.45 | 0.44 | -0.01 | -3% | 11,907,131 |
| Boardman | -12% | 0.44 | 0.41 | -0.03 | -7% | 5,223,956 |
| Armstrong Power Station | -10% | 0.37 | 0.33 | -0.04 | -11% | 4,563,546 |
| Armstrong Power Station | 45% | 0.31 | 0.34 | 0.03 | 10% | 3,135,079 |
| Bruce Mansfield | -74% | 0.45 | 0.12 | -0.33 | -74% | 43,708,354 |
| Bruce Mansfield | -37% | 0.20 | 0.12 | -0.08 | -40% | 36,110,641 |
| Brunner Island | 9% | 0.36 | 0.35 | -0.01 | -4% | 23,192,288 |
| Brunner Island | 11% | 0.35 | 0.35 | 0.00 | -1% | 20,861,958 |
| Cheswick | -31% | 0.40 | 0.27 | -0.13 | -32% | 7,519,182 |
| Cheswick | -34% | 0.26 | 0.29 | 0.04 | 15% | 6,035,729 |
| Conemaugh | -2% | 0.35 | 0.35 | 0.00 | 0% | 31,004,341 |
| Conemaugh | -9% | 0.32 | 0.35 | 0.03 | 11% | 26,947,407 |
| Cromby | -30% | 0.42 | 0.41 | -0.01 | -2% | 2,593,834 |
| Cromby | -29% | 0.42 | 0.41 | -0.01 | -3% | 1,828,375 |
| Eddystone Generating Station | 35% | 0.33 | 0.30 | -0.02 | -7% | 4,979,602 |
| Eddystone Generating Station | -40% | 0.29 | 0.27 | -0.02 | -7% | 8,516,883 |
| Elrama | -73% | 0.53 | 0.47 | -0.06 | -11% | 6,573,858 |
| Elrama | -49% | 0.55 | 0.49 | -0.05 | -9% | 3,638,493 |
| Gilberton Power Company | -14% | 0.05 | 0.04 | -0.01 | -12% | 2,071,982 |
| Gilberton Power Company | -43% | 0.06 | 0.04 | -0.02 | -32% | 2,038,878 |
| Hatfields Ferry Power Station | -13% | 0.52 | 0.45 | -0.07 | -14% | 27,203,047 |
| Hatfields Ferry Power Station | 13% | 0.44 | 0.45 | 0.01 | 2% | 26,007,444 |
| Homer City | -61% | 0.43 | 0.18 | -0.25 | -58% | 30,904,366 |
| Homer City | -47% | 0.30 | 0.16 | -0.15 | -48% | 22,407,110 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Walter C Beckjord Generating Station | 9,903,450 | 3,281,100 | 50% |
| Grand River Dam Authority | 21,128,689 | -2,433,425 | -10% |
| Grand River Dam Authority | 15,457,918 | -3,627,060 | -19% |
| Hugo | 7,635,567 | -2,415,862 | -24% |
| Hugo | 4,665,199 | -1,996,163 | -30% |
| Muskogee | 19,720,762 | -74,954 | 0% |
| Muskogee | 21,700,541 | -4,833,312 | -18% |
| Northeastern | 14,712,786 | -3,336,996 | -18% |
| Northeastern | 11,077,266 | -345,469 | -3% |
| Sooner | 15,328,053 | -4,695,690 | -23% |
| Sooner | 18,906,609 | -2,753,084 | -13% |
| Boardman | 11,846,342 | -60,790 | -1% |
| Boardman | 4,931,765 | -292,191 | -6% |
| Armstrong Power Station | 4,616,904 | 53,357 | 1% |
| Armstrong Power Station | 4,136,649 | 1,001,570 | 32% |
| Bruce Mansfield | 43,034,285 | -674,069 | -2% |
| Bruce Mansfield | 38,242,441 | 2,131,800 | 6% |
| Brunner Island | 26,272,146 | 3,079,858 | 13% |
| Brunner Island | 23,446,692 | 2,584,735 | 12% |
| Cheswick | 7,701,468 | 182,286 | 2% |
| Cheswick | 3,453,239 | -2,582,490 | -43% |
| Conemaugh | 30,561,286 | -443,055 | -1% |
| Conemaugh | 22,252,177 | -4,695,230 | -17% |
| Cromby | 1,854,786 | -739,047 | -28% |
| Cromby | 1,348,161 | -480,214 | -26% |
| Eddystone Generating Station | 7,190,374 | 2,210,772 | 44% |
| Eddystone Generating Station | 5,459,609 | -3,057,274 | -36% |
| Elrama | 1,956,735 | -4,617,123 | -70% |
| Elrama | 2,036,140 | -1,602,352 | -44% |
| Gilberton Power Company | 2,016,092 | -55,890 | -3% |
| Gilberton Power Company | 1,703,674 | -335,203 | -16% |
| Hatfields Ferry Power Station | 27,397,259 | 194,213 | 1% |
| Hatfields Ferry Power Station | 28,751,277 | 2,743,833 | 11% |
| Homer City | 28,850,631 | -2,053,735 | -7% |
| Homer City | 22,891,427 | 484,316 | 2% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Hunlock Power Station | PA | Luzerne | 1 | 787 | 1,403 | 616 | 78% | 1.84 |
| Hunlock Power Station | PA | Luzerne | 2 | 1,069 | 590 | -479 | -45% | 2.28 |
| Keystone | PA | Armstrong | 1 | 47,963 | 8,206 | -39,756 | -83% | 2.87 |
| Keystone | PA | Armstrong | 2 | 51,022 | 9,749 | -41,273 | -81% | 3.01 |
| Mitchell Power Station | PA | Washington | 1 | 308 | 174 | -133 | -43% | 0.14 |
| Mitchell Power Station | PA | Washington | 2 | 172 | 155 | -17 | -10% | 0.10 |
| Montour | PA | Montour | 1 | 29,632 | 5,169 | -24,462 | -83% | 2.53 |
| Montour | PA | Montour | 2 | 2,908 | 3,388 | 479 | 16% | 0.32 |
| Mt. Carmel Cogeneration | PA | Northumberland | 1 | 132 | 117 | -15 | -12% | 0.22 |
| Mt. Carmel Cogeneration | PA | Northumberland | 2 | 52 | 103 | 52 | 100% | 0.16 |
| New Castle | PA | Lawrence | 1 | 4,748 | 3,322 | -1,426 | -30% | 2.07 |
| New Castle | PA | Lawrence | 2 | 2,610 | 2,028 | -582 | -22% | 1.92 |
| Portland | PA | Northampton | 1 | 8,703 | 5,456 | -3,246 | -37% | 2.66 |
| Portland | PA | Northampton | 2 | 5,738 | 3,592 | -2,147 | -37% | 3.13 |
| Seward | PA | Indiana | 1 | 1,506 | 1,618 | 112 | 7% | 0.41 |
| Seward | PA | Indiana | 2 | 2,013 | 2,343 | 331 | 16% | 0.40 |
| Shawville | PA | Clearfield | 1 | 12,196 | 10,877 | -1,319 | -11% | 2.90 |
| Shawville | PA | Clearfield | 2 | 12,621 | 13,106 | 485 | 4% | 2.82 |
| St. Nicholas Cogeneration Project | PA | Schuylkill | 1 | | 449 | | | |
| St. Nicholas Cogeneration Project | PA | Schuylkill | 2 | | 440 | | | |
| Sunbury | PA | Snyder | 1 | 8,637 | 8,929 | 292 | 3% | 2.34 |
| Sunbury | PA | Snyder | 2 | 7,987 | 6,567 | -1,420 | -18% | 2.23 |
| Titus | PA | Berks | 1 | 3,101 | 2,597 | -504 | -16% | 1.92 |
| Titus | PA | Berks | 2 | 2,883 | 1,869 | -1,015 | -35% | 2.00 |
| Wheelabrator - Frackville | PA | Schuylkill | 1 | | 133 | | | |
| Wheelabrator - Frackville | PA | Schuylkill | 2 | | 114 | | | |
| WPS Westwood Generation, LLC | PA | Schuylkill | 1 | 90 | 48 | -43 | -47% | 0.17 |
| WPS Westwood Generation, LLC | PA | Schuylkill | 2 | 77 | 57 | -20 | -26% | 0.17 |
| Canadys Steam | SC | Colleton | 1 | 4,324 | 1,692 | -2,632 | -61% | 1.74 |
| Canadys Steam | SC | Colleton | 2 | 5,036 | 2,932 | -2,103 | -42% | 1.57 |
| Cope Station | SC | Orangeburg | 1 | 611 | 459 | -152 | -25% | 0.15 |
| Cope Station | SC | Orangeburg | 2 | 580 | 362 | -218 | -38% | 0.15 |
| Cross | SC | Berkeley | 1 | 2,294 | 2,169 | -125 | -5% | 0.14 |
| Cross | SC | Berkeley | 2 | 1,936 | 2,059 | 123 | 6% | 0.11 |
| Dolphus M Grainger | SC | Horry | 1 | 3,021 | 1,378 | -1,644 | -54% | 2.50 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Hunlock Power Station | 2.55 | 0.72 | 39% | 160 | 211 | 51 |
| Hunlock Power Station | 1.98 | -0.30 | -13% | 177 | 101 | -76 |
| Keystone | 0.56 | -2.32 | -81% | 5,954 | 1,103 | -4,851 |
| Keystone | 0.57 | -2.45 | -81% | 2,546 | 825 | -1,721 |
| Mitchell Power Station | 0.11 | -0.03 | -19% | 838 | 491 | -347 |
| Mitchell Power Station | 0.12 | 0.02 | 24% | 487 | 395 | -92 |
| Montour | 0.40 | -2.13 | -84% | 5,200 | 1,754 | -3,446 |
| Montour | 0.47 | 0.15 | 46% | 1,761 | 1,085 | -676 |
| Mt. Carmel Cogeneration | 0.18 | -0.04 | -18% | 73 | 96 | 23 |
| Mt. Carmel Cogeneration | 0.16 | 0.00 | 1% | 39 | 86 | 47 |
| New Castle | 2.39 | 0.32 | 15% | 1,024 | 585 | -439 |
| New Castle | 2.48 | 0.56 | 29% | 580 | 323 | -257 |
| Portland | 2.58 | -0.08 | -3% | 1,244 | 615 | -629 |
| Portland | 2.75 | -0.38 | -12% | 622 | 371 | -251 |
| Seward | 0.44 | 0.03 | 7% | 440 | 470 | 30 |
| Seward | 0.42 | 0.02 | 6% | 559 | 578 | 19 |
| Shawville | 3.01 | 0.11 | 4% | 1,837 | 1,492 | -344 |
| Shawville | 3.17 | 0.35 | 12% | 1,866 | 1,765 | -101 |
| St. Nicholas Cogeneration Project | 0.34 | | | 48 | 60 | 13 |
| St. Nicholas Cogeneration Project | 0.35 | | | 49 | 56 | 6 |
| Sunbury | 2.69 | 0.34 | 15% | 1,014 | 876 | -138 |
| Sunbury | 2.73 | 0.51 | 23% | 1,025 | 608 | -417 |
| Titus | 2.12 | 0.19 | 10% | 610 | 430 | -180 |
| Titus | 2.02 | 0.02 | 1% | 429 | 309 | -120 |
| Wheelabrator - Frackville | 0.21 | | | 99 | 100 | 1 |
| Wheelabrator - Frackville | 0.20 | | | 87 | 84 | -4 |
| WPS Westwood Generation, LLC | 0.18 | 0.01 | 5% | 80 | 47 | -32 |
| WPS Westwood Generation, LLC | 0.18 | 0.00 | 2% | 59 | 52 | -7 |
| Canadys Steam | 1.68 | -0.06 | -3% | 909 | 398 | -511 |
| Canadys Steam | 1.89 | 0.32 | 21% | 1,184 | 480 | -704 |
| Cope Station | 0.13 | -0.02 | -12% | 1,155 | 252 | -904 |
| Cope Station | 0.15 | 0.00 | -2% | 1,013 | 200 | -814 |
| Cross | 0.11 | -0.03 | -20% | 1,443 | 1,562 | 119 |
| Cross | 0.12 | 0.01 | 9% | 1,443 | 1,410 | -33 |
| Dolphus M Grainger | 2.68 | 0.19 | 7% | 508 | 232 | -276 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Hunlock Power Station | 32% | 0.37 | 0.38 | 0.01 | 3% | 857,280 |
| Hunlock Power Station | -43% | 0.38 | 0.34 | -0.04 | -10% | 936,481 |
| Keystone | -81% | 0.36 | 0.07 | -0.28 | -79% | 33,379,024 |
| Keystone | -68% | 0.15 | 0.05 | -0.10 | -68% | 33,874,905 |
| Mitchell Power Station | -41% | 0.39 | 0.32 | -0.06 | -17% | 4,348,924 |
| Mitchell Power Station | -19% | 0.29 | 0.32 | 0.03 | 12% | 3,407,895 |
| Montour | -66% | 0.44 | 0.14 | -0.31 | -69% | 23,384,204 |
| Montour | -38% | 0.19 | 0.15 | -0.04 | -23% | 18,153,442 |
| Mt. Carmel Cogeneration | 32% | 0.12 | 0.15 | 0.03 | 22% | 1,215,140 |
| Mt. Carmel Cogeneration | 121% | 0.12 | 0.14 | 0.01 | 11% | 638,242 |
| New Castle | -43% | 0.45 | 0.42 | -0.03 | -6% | 4,578,329 |
| New Castle | -44% | 0.43 | 0.39 | -0.03 | -7% | 2,720,507 |
| Portland | -51% | 0.38 | 0.29 | -0.09 | -24% | 6,537,695 |
| Portland | -40% | 0.34 | 0.28 | -0.05 | -16% | 3,669,367 |
| Seward | 7% | 0.12 | 0.13 | 0.01 | 7% | 7,359,320 |
| Seward | 3% | 0.11 | 0.10 | -0.01 | -6% | 10,083,942 |
| Shawville | -19% | 0.44 | 0.41 | -0.02 | -6% | 8,402,449 |
| Shawville | -5% | 0.42 | 0.43 | 0.01 | 2% | 8,949,420 |
| St. Nicholas Cogeneration Project | 27% | 0.04 | 0.05 | 0.01 | 12% | 2,318,588 |
| St. Nicholas Cogeneration Project | 13% | 0.04 | 0.04 | 0.00 | 11% | 2,524,967 |
| Sunbury | -14% | 0.28 | 0.26 | -0.01 | -4% | 7,369,656 |
| Sunbury | -41% | 0.29 | 0.25 | -0.03 | -11% | 7,176,175 |
| Titus | -30% | 0.38 | 0.35 | -0.03 | -7% | 3,225,963 |
| Titus | -28% | 0.30 | 0.33 | 0.04 | 12% | 2,876,917 |
| Wheelabrator - Frackville | 1% | 0.16 | 0.16 | 0.00 | 2% | 1,253,931 |
| Wheelabrator - Frackville | -4% | 0.14 | 0.14 | 0.00 | 1% | 1,229,796 |
| WPS Westwood Generation, LLC | -40% | 0.15 | 0.18 | 0.03 | 19% | 1,036,564 |
| WPS Westwood Generation, LLC | -12% | 0.13 | 0.16 | 0.03 | 21% | 890,924 |
| Canadys Steam | -56% | 0.37 | 0.39 | 0.03 | 8% | 4,974,561 |
| Canadys Steam | -59% | 0.37 | 0.31 | -0.06 | -16% | 6,433,172 |
| Cope Station | -78% | 0.29 | 0.07 | -0.21 | -74% | 8,069,327 |
| Cope Station | -80% | 0.27 | 0.08 | -0.19 | -69% | 7,517,166 |
| Cross | 8% | 0.08 | 0.08 | -0.01 | -9% | 33,972,360 |
| Cross | -2% | 0.08 | 0.08 | 0.00 | 0% | 35,174,004 |
| Dolphus M Grainger | -54% | 0.42 | 0.45 | 0.03 | 8% | 2,419,817 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Hunlock Power Station | 1,099,871 | 242,591 | 28% |
| Hunlock Power Station | 594,419 | -342,062 | -37% |
| Keystone | 29,421,016 | -3,958,007 | -12% |
| Keystone | 34,409,364 | 534,460 | 2% |
| Mitchell Power Station | 3,058,915 | -1,290,009 | -30% |
| Mitchell Power Station | 2,477,662 | -930,233 | -27% |
| Montour | 25,626,099 | 2,241,894 | 10% |
| Montour | 14,519,163 | -3,634,279 | -20% |
| Mt. Carmel Cogeneration | 1,312,720 | 97,580 | 8% |
| Mt. Carmel Cogeneration | 1,266,899 | 628,657 | 98% |
| New Castle | 2,777,653 | -1,800,675 | -39% |
| New Castle | 1,636,133 | -1,084,374 | -40% |
| Portland | 4,233,053 | -2,304,642 | -35% |
| Portland | 2,609,891 | -1,059,476 | -29% |
| Seward | 7,371,601 | 12,281 | 0% |
| Seward | 11,109,653 | 1,025,711 | 10% |
| Shawville | 7,228,073 | -1,174,375 | -14% |
| Shawville | 8,263,741 | -685,678 | -8% |
| St. Nicholas Cogeneration Project | 2,613,456 | 294,868 | 13% |
| St. Nicholas Cogeneration Project | 2,550,901 | 25,933 | 1% |
| Sunbury | 6,650,663 | -718,993 | -10% |
| Sunbury | 4,808,798 | -2,367,377 | -33% |
| Titus | 2,454,393 | -771,570 | -24% |
| Titus | 1,850,749 | -1,026,167 | -36% |
| Wheelabrator - Frackville | 1,241,059 | -12,872 | -1% |
| Wheelabrator - Frackville | 1,164,841 | -64,955 | -5% |
| WPS Westwood Generation, LLC | 517,849 | -518,715 | -50% |
| WPS Westwood Generation, LLC | 648,122 | -242,803 | -27% |
| Canadys Steam | 2,016,843 | -2,957,719 | -59% |
| Canadys Steam | 3,107,654 | -3,325,518 | -52% |
| Cope Station | 6,886,236 | -1,183,091 | -15% |
| Cope Station | 4,809,795 | -2,707,371 | -36% |
| Cross | 40,384,567 | 6,412,207 | 19% |
| Cross | 34,211,306 | -962,698 | -3% |
| Dolphus M Grainger | 1,027,195 | -1,392,622 | -58% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Dolphus M Grainger | SC | Horry | 2 | 3,275 | 1,132 | -2,143 | -65% | 2.48 |
| H B Robinson | SC | Darlington | 1 | 3,096 | 2,405 | -691 | -22% | 2.08 |
| H B Robinson | SC | Darlington | 2 | 1,722 | 2,254 | 532 | 31% | 2.08 |
| Jefferies | SC | Berkeley | 1 | 6,471 | 3,390 | -3,081 | -48% | 2.27 |
| Jefferies | SC | Berkeley | 2 | 6,149 | 1,913 | -4,236 | -69% | 2.13 |
| McMeekin | SC | Lexington | 1 | 2,399 | 1,950 | -449 | -19% | 1.42 |
| McMeekin | SC | Lexington | 2 | 3,447 | 2,673 | -774 | -22% | 1.55 |
| Urquhart | SC | Aiken | 1 | 1,755 | 1,034 | -721 | -41% | 1.89 |
| Urquhart | SC | Aiken | 2 | 1,329 | 1,202 | -127 | -10% | 1.89 |
| W S Lee | SC | Anderson | 1 | 3,835 | 2,135 | -1,700 | -44% | 1.55 |
| W S Lee | SC | Anderson | 2 | 3,435 | 2,770 | -665 | -19% | 1.47 |
| Wateree | SC | Richland | 1 | 8,928 | 9,528 | 600 | 7% | 1.63 |
| Wateree | SC | Richland | 2 | 8,703 | | | | 1.58 |
| Williams | SC | Berkeley | 1 | 3,807 | 293 | -3,515 | -92% | 1.32 |
| Williams | SC | Berkeley | 2 | 5,415 | 307 | -5,108 | -94% | 1.28 |
| Winyah | SC | Georgetown | 1 | 1,978 | 1,559 | -418 | -21% | 0.17 |
| Winyah | SC | Georgetown | 2 | 1,278 | 1,384 | 106 | 8% | 0.13 |
| Big Stone | SD | Grant | 1 | 3,591 | 3,858 | 267 | 7% | 0.64 |
| Big Stone | SD | Grant | 2 | 3,190 | 2,675 | -515 | -16% | 0.73 |
| Allen | TN | Shelby | 1 | 3,461 | 2,834 | -626 | -18% | 0.49 |
| Allen | TN | Shelby | 2 | 3,215 | 2,352 | -864 | -27% | 0.49 |
| Bull Run | TN | Anderson | 1 | 7,305 | 322 | -6,983 | -96% | 1.17 |
| Bull Run | TN | Anderson | 2 | 8,846 | 128 | -8,717 | -99% | 1.31 |
| Cumberland | TN | Stewart | 1 | 3,741 | 2,907 | -835 | -22% | 0.20 |
| Cumberland | TN | Stewart | 2 | 3,443 | 3,058 | -385 | -11% | 0.16 |
| Gallatin | TN | Sumner | 1 | 6,137 | 4,801 | -1,336 | -22% | 0.57 |
| Gallatin | TN | Sumner | 2 | 5,838 | 4,322 | -1,516 | -26% | 0.59 |
| John Sevier | TN | Hawkins | 1 | 6,985 | 5,437 | -1,548 | -22% | 1.15 |
| John Sevier | TN | Hawkins | 2 | 6,940 | 5,499 | -1,440 | -21% | 1.12 |
| Johnsonville | TN | Humphreys | 1 | 12,306 | 10,182 | -2,124 | -17% | 1.28 |
| Johnsonville | TN | Humphreys | 2 | 12,049 | 8,570 | -3,480 | -29% | 1.24 |
| Kingston | TN | Roane | 1 | 12,814 | 625 | -12,189 | -95% | 0.94 |
| Kingston | TN | Roane | 2 | 12,345 | | | | 0.90 |
| Big Brown | TX | Freestone | 1 | 17,447 | 14,854 | -2,594 | -15% | 1.45 |
| Big Brown | TX | Freestone | 2 | 15,785 | 15,975 | 189 | 1% | 1.41 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Dolphus M Grainger | 2.37 | -0.10 | -4% | 570 | 217 | -353 |
| H B Robinson | 1.68 | -0.40 | -19% | 848 | 439 | -409 |
| H B Robinson | 1.52 | -0.56 | -27% | 431 | 491 | 60 |
| Jefferies | 2.80 | 0.52 | 23% | 1,338 | 604 | -734 |
| Jefferies | 2.77 | 0.64 | 30% | 1,339 | 342 | -996 |
| McMeekin | 1.45 | 0.03 | 2% | 737 | 418 | -319 |
| McMeekin | 1.66 | 0.11 | 7% | 705 | 468 | -237 |
| Urquhart | 1.94 | 0.04 | 2% | 243 | 177 | -66 |
| Urquhart | 2.08 | 0.18 | 10% | 166 | 180 | 14 |
| W S Lee | 1.56 | 0.01 | 1% | 642 | 332 | -310 |
| W S Lee | 1.45 | -0.01 | -1% | 580 | 438 | -142 |
| Wateree | 1.89 | 0.26 | 16% | 2,575 | 484 | -2,091 |
| Wateree | | | | 972 | | |
| Williams | 0.05 | -1.27 | -96% | 1,601 | 684 | -916 |
| Williams | 0.07 | -1.22 | -95% | 618 | 504 | -114 |
| Winyah | 0.16 | -0.01 | -5% | 1,319 | 983 | -336 |
| Winyah | 0.16 | 0.03 | 26% | 1,078 | 880 | -198 |
| Big Stone | 0.73 | 0.09 | 14% | 3,940 | 3,734 | -206 |
| Big Stone | 0.74 | 0.02 | 2% | 3,125 | 2,542 | -583 |
| Allen | 0.45 | -0.04 | -9% | 5,319 | 854 | -4,465 |
| Allen | 0.47 | -0.01 | -3% | 1,665 | 507 | -1,158 |
| Bull Run | 0.04 | -1.13 | -96% | 3,907 | 507 | -3,400 |
| Bull Run | 0.05 | -1.26 | -96% | 1,684 | 189 | -1,495 |
| Cumberland | 0.16 | -0.04 | -20% | 12,423 | 1,188 | -11,235 |
| Cumberland | 0.19 | 0.02 | 14% | 4,562 | 1,229 | -3,333 |
| Gallatin | 0.59 | 0.02 | 4% | 1,641 | 1,166 | -475 |
| Gallatin | 0.57 | -0.01 | -2% | 1,547 | 1,125 | -422 |
| John Sevier | 1.10 | -0.06 | -5% | 2,413 | 1,154 | -1,259 |
| John Sevier | 1.11 | -0.02 | -1% | 2,250 | 1,228 | -1,022 |
| Johnsonville | 1.08 | -0.21 | -16% | 4,063 | 2,774 | -1,289 |
| Johnsonville | 0.99 | -0.26 | -21% | 3,830 | 2,539 | -1,291 |
| Kingston | 1.25 | 0.31 | 33% | 5,833 | 56 | -5,777 |
| Kingston | | | | 807 | | |
| Big Brown | 1.26 | -0.18 | -13% | 1,658 | 1,711 | 53 |
| Big Brown | 1.32 | -0.10 | -7% | 1,667 | 1,668 | 0 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Dolphus M Grainger | -62% | 0.43 | 0.46 | 0.02 | 6% | 2,644,992 |
| H B Robinson | -48% | 0.57 | 0.31 | -0.26 | -46% | 2,970,011 |
| H B Robinson | 14% | 0.52 | 0.33 | -0.19 | -36% | 1,658,329 |
| Jefferies | -55% | 0.47 | 0.50 | 0.03 | 6% | 5,692,839 |
| Jefferies | -74% | 0.46 | 0.50 | 0.03 | 7% | 5,774,341 |
| McMeekin | -43% | 0.44 | 0.31 | -0.13 | -29% | 3,379,243 |
| McMeekin | -34% | 0.32 | 0.29 | -0.03 | -8% | 4,445,033 |
| Urquhart | -27% | 0.26 | 0.33 | 0.07 | 27% | 1,853,691 |
| Urquhart | 8% | 0.24 | 0.31 | 0.07 | 31% | 1,403,128 |
| W S Lee | -48% | 0.26 | 0.24 | -0.02 | -6% | 4,953,286 |
| W S Lee | -25% | 0.25 | 0.23 | -0.02 | -7% | 4,685,202 |
| Wateree | -81% | 0.47 | 0.10 | -0.37 | -80% | 10,958,986 |
| Wateree | | 0.18 | | | | 10,996,456 |
| Williams | -57% | 0.56 | 0.13 | -0.43 | -77% | 5,753,192 |
| Williams | -18% | 0.15 | 0.11 | -0.03 | -23% | 8,437,477 |
| Winyah | -25% | 0.12 | 0.10 | -0.01 | -10% | 22,934,018 |
| Winyah | -18% | 0.11 | 0.10 | -0.01 | -5% | 19,880,361 |
| Big Stone | -5% | 0.71 | 0.71 | 0.00 | 0% | 11,149,970 |
| Big Stone | -19% | 0.71 | 0.71 | -0.01 | -1% | 8,779,055 |
| Allen | -84% | 0.76 | 0.14 | -0.62 | -82% | 14,039,807 |
| Allen | -70% | 0.25 | 0.10 | -0.15 | -60% | 13,249,346 |
| Bull Run | -87% | 0.62 | 0.07 | -0.56 | -89% | 12,507,655 |
| Bull Run | -89% | 0.25 | 0.07 | -0.18 | -71% | 13,513,969 |
| Cumberland | -90% | 0.65 | 0.06 | -0.59 | -90% | 38,229,643 |
| Cumberland | -73% | 0.22 | 0.08 | -0.14 | -65% | 41,861,604 |
| Gallatin | -29% | 0.15 | 0.14 | -0.01 | -6% | 21,530,588 |
| Gallatin | -27% | 0.16 | 0.15 | -0.01 | -4% | 19,893,221 |
| John Sevier | -52% | 0.40 | 0.23 | -0.17 | -42% | 12,108,839 |
| John Sevier | -45% | 0.36 | 0.25 | -0.12 | -32% | 12,347,820 |
| Johnsonville | -32% | 0.42 | 0.29 | -0.13 | -31% | 19,168,777 |
| Johnsonville | -34% | 0.40 | 0.29 | -0.10 | -26% | 19,389,412 |
| Kingston | -99% | 0.43 | 0.11 | -0.32 | -74% | 27,320,591 |
| Kingston | | 0.06 | | | | 27,387,705 |
| Big Brown | 3% | 0.14 | 0.15 | 0.01 | 6% | 24,144,952 |
| Big Brown | 0% | 0.15 | 0.14 | -0.01 | -8% | 22,327,024 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Dolphus M Grainger | 952,858 | -1,692,134 | -64% |
| H B Robinson | 2,855,251 | -114,760 | -4% |
| H B Robinson | 2,967,006 | 1,308,676 | 79% |
| Jefferies | 2,423,665 | -3,269,175 | -57% |
| Jefferies | 1,381,872 | -4,392,468 | -76% |
| McMeekin | 2,696,465 | -682,778 | -20% |
| McMeekin | 3,218,100 | -1,226,932 | -28% |
| Urquhart | 1,068,461 | -785,230 | -42% |
| Urquhart | 1,156,519 | -246,609 | -18% |
| W S Lee | 2,732,973 | -2,220,313 | -45% |
| W S Lee | 3,814,522 | -870,680 | -19% |
| Wateree | 10,103,329 | -855,657 | -8% |
| Wateree | | | |
| Williams | 10,711,937 | 4,958,745 | 86% |
| Williams | 8,946,050 | 508,573 | 6% |
| Winyah | 19,052,542 | -3,881,476 | -17% |
| Winyah | 17,058,024 | -2,822,338 | -14% |
| Big Stone | 10,516,388 | -633,583 | -6% |
| Big Stone | 7,199,248 | -1,579,808 | -18% |
| Allen | 12,575,619 | -1,464,188 | -10% |
| Allen | 9,953,131 | -3,296,215 | -25% |
| Bull Run | 15,097,686 | 2,590,031 | 21% |
| Bull Run | 5,230,872 | -8,283,097 | -61% |
| Cumberland | 37,131,699 | -1,097,944 | -3% |
| Cumberland | 32,653,926 | -9,207,679 | -22% |
| Gallatin | 16,216,503 | -5,314,084 | -25% |
| Gallatin | 15,054,492 | -4,838,728 | -24% |
| John Sevier | 9,911,644 | -2,197,195 | -18% |
| John Sevier | 9,928,764 | -2,419,056 | -20% |
| Johnsonville | 18,929,934 | -238,843 | -1% |
| Johnsonville | 17,373,033 | -2,016,379 | -10% |
| Kingston | 1,004,641 | -26,315,951 | -96% |
| Kingston | | | |
| Big Brown | 23,512,900 | -632,052 | -3% |
| Big Brown | 24,262,527 | 1,935,503 | 9% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Coleto Creek | TX | Goliad | 1 | 4,855 | 3,202 | -1,653 | -34% | 0.70 |
| Coleto Creek | TX | Goliad | 2 | 4,766 | 3,736 | -1,030 | -22% | 0.76 |
| Gibbons Creek Steam Electric Station | TX | Grimes | 1 | 2,763 | 2,294 | -469 | -17% | 0.68 |
| Gibbons Creek Steam Electric Station | TX | Grimes | 2 | 3,121 | 2,970 | -152 | -5% | 0.74 |
| H W Pirkey Power Plant | TX | Harrison | 1 | 791 | 767 | -24 | -3% | 0.15 |
| H W Pirkey Power Plant | TX | Harrison | 2 | 769 | 1,029 | 260 | 34% | 0.13 |
| Harrington Station | TX | Potter | 1 | 4,882 | 4,268 | -614 | -13% | 0.43 |
| Harrington Station | TX | Potter | 2 | 4,777 | 4,819 | 42 | 1% | 0.42 |
| J K Spruce | TX | Bexar | 1 | 1,143 | 352 | -791 | -69% | 0.17 |
| J K Spruce | TX | Bexar | 2 | 1,140 | 261 | -879 | -77% | 0.17 |
| J T Deely | TX | Bexar | 1 | 4,991 | 3,786 | -1,206 | -24% | 0.69 |
| J T Deely | TX | Bexar | 2 | 6,400 | 5,629 | -770 | -12% | 0.73 |
| Limestone | TX | Limestone | 1 | 4,345 | 3,871 | -474 | -11% | 0.27 |
| Limestone | TX | Limestone | 2 | 5,149 | 5,597 | 448 | 9% | 0.27 |
| Martin Lake | TX | Rusk | 1 | 15,920 | 21,086 | 5,166 | 32% | 0.79 |
| Martin Lake | TX | Rusk | 2 | 16,964 | 16,059 | -906 | -5% | 0.69 |
| Monticello | TX | Titus | 1 | 19,181 | 14,151 | -5,029 | -26% | 0.91 |
| Monticello | TX | Titus | 2 | 15,879 | 11,693 | -4,186 | -26% | 0.95 |
| Oak Grove | TX | Robertson | 1 | | 402 | | | |
| Oak Grove | TX | Robertson | 2 | | 725 | | | |
| Oklaunion Power Station | TX | Wilbarger | 1 | 875 | 975 | 99 | 11% | 0.20 |
| Oklaunion Power Station | TX | Wilbarger | 2 | 1,074 | 566 | -508 | -47% | 0.21 |
| Sam Seymour | TX | Fayette | 1 | 7,319 | 7,243 | -77 | -1% | 0.47 |
| Sam Seymour | TX | Fayette | 2 | 8,402 | 6,717 | -1,685 | -20% | 0.50 |
| San Miguel | TX | Atascosa | 1 | 1,692 | 2,538 | 845 | 50% | 0.50 |
| San Miguel | TX | Atascosa | 2 | 2,554 | 1,520 | -1,035 | -41% | 0.46 |
| Sandow | TX | Milam | 1 | 5,577 | 2,221 | -3,356 | -60% | 1.00 |
| Sandow | TX | Milam | 2 | 3,718 | 5,285 | 1,567 | 42% | 1.02 |
| Sandow Station | TX | Milam | 1 | | 345 | | | |
| Sandow Station | TX | Milam | 2 | | 257 | | | |
| Tolk Station | TX | Lamb | 1 | 4,037 | 5,834 | 1,797 | 45% | 0.50 |
| Tolk Station | TX | Lamb | 2 | 3,969 | 6,413 | 2,444 | 62% | 0.48 |
| Twin Oaks | TX | Robertson | 1 | 1,109 | 1,223 | 113 | 10% | 0.32 |
| Twin Oaks | TX | Robertson | 2 | 1,175 | 1,333 | 158 | 13% | 0.35 |
| W A Parish | TX | Fort Bend | 1 | 12,557 | 12,902 | 345 | 3% | 0.56 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Coleto Creek | 0.81 | 0.11 | 16% | 1,020 | 651 | -369 |
| Coleto Creek | 0.80 | 0.04 | 5% | 989 | 729 | -260 |
| Gibbons Creek Steam Electric Station | 0.67 | -0.01 | -2% | 484 | 423 | -61 |
| Gibbons Creek Steam Electric Station | 0.66 | -0.08 | -10% | 508 | 554 | 46 |
| H W Pirkey Power Plant | 0.14 | -0.01 | -8% | 850 | 882 | 32 |
| H W Pirkey Power Plant | 0.17 | 0.04 | 34% | 1,092 | 957 | -135 |
| Harrington Station | 0.58 | 0.16 | 36% | 2,863 | 1,613 | -1,250 |
| Harrington Station | 0.55 | 0.13 | 31% | 2,564 | 1,669 | -895 |
| J K Spruce | 0.06 | -0.11 | -66% | 863 | 763 | -100 |
| J K Spruce | 0.05 | -0.13 | -73% | 862 | 667 | -195 |
| J T Deely | 0.68 | 0.00 | 0% | 885 | 781 | -104 |
| J T Deely | 0.67 | -0.06 | -8% | 1,165 | 1,141 | -23 |
| Limestone | 0.27 | 0.00 | 1% | 3,130 | 2,792 | -339 |
| Limestone | 0.33 | 0.05 | 20% | 3,783 | 3,348 | -435 |
| Martin Lake | 0.89 | 0.10 | 13% | 3,274 | 4,114 | 840 |
| Martin Lake | 0.79 | 0.10 | 15% | 3,892 | 3,522 | -370 |
| Monticello | 0.76 | -0.15 | -17% | 3,578 | 2,874 | -704 |
| Monticello | 0.80 | -0.16 | -16% | 2,610 | 2,215 | -395 |
| Oak Grove | 0.06 | | | | 440 | |
| Oak Grove | 0.08 | | | | 595 | |
| Oklaunion Power Station | 0.18 | -0.02 | -11% | 1,704 | 1,926 | 221 |
| Oklaunion Power Station | 0.21 | 0.00 | -2% | 1,836 | 936 | -899 |
| Sam Seymour | 0.46 | -0.01 | -2% | 1,731 | 1,777 | 45 |
| Sam Seymour | 0.46 | -0.04 | -8% | 1,783 | 1,630 | -153 |
| San Miguel | 0.63 | 0.13 | 27% | 658 | 728 | 70 |
| San Miguel | 0.48 | 0.01 | 2% | 1,040 | 601 | -439 |
| Sandow | 1.11 | 0.11 | 11% | 1,088 | 423 | -665 |
| Sandow | 1.02 | 0.00 | 0% | 720 | 398 | -322 |
| Sandow Station | 0.08 | | | | 403 | |
| Sandow Station | 0.09 | | | | 244 | |
| Tolk Station | 0.63 | 0.13 | 25% | 1,645 | 1,804 | 158 |
| Tolk Station | 0.61 | 0.13 | 28% | 1,447 | 1,996 | 548 |
| Twin Oaks | 0.45 | 0.13 | 39% | 503 | 294 | -209 |
| Twin Oaks | 0.44 | 0.09 | 26% | 497 | 345 | -152 |
| W A Parish | 0.63 | 0.07 | 13% | 1,046 | 956 | -90 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Coleto Creek | -36% | 0.15 | 0.17 | 0.02 | 12% | 13,800,156 |
| Coleto Creek | -26% | 0.16 | 0.16 | 0.00 | -1% | 12,521,422 |
| Gibbons Creek Steam Electric Station | -13% | 0.12 | 0.12 | 0.00 | 3% | 8,124,151 |
| Gibbons Creek Steam Electric Station | 9% | 0.12 | 0.12 | 0.00 | 3% | 8,416,016 |
| H W Pirkey Power Plant | 4% | 0.16 | 0.16 | 0.00 | -1% | 10,425,163 |
| H W Pirkey Power Plant | -12% | 0.18 | 0.16 | -0.02 | -12% | 12,013,150 |
| Harrington Station | -44% | 0.25 | 0.22 | -0.03 | -12% | 22,724,528 |
| Harrington Station | -35% | 0.22 | 0.19 | -0.03 | -15% | 22,900,361 |
| J K Spruce | -12% | 0.13 | 0.13 | 0.00 | -3% | 13,206,678 |
| J K Spruce | -23% | 0.13 | 0.12 | -0.01 | -9% | 13,261,672 |
| J T Deely | -12% | 0.12 | 0.14 | 0.02 | 16% | 14,561,473 |
| J T Deely | -2% | 0.13 | 0.14 | 0.00 | 3% | 17,592,571 |
| Limestone | -11% | 0.19 | 0.20 | 0.00 | 1% | 32,462,543 |
| Limestone | -12% | 0.20 | 0.20 | 0.00 | -2% | 37,828,929 |
| Martin Lake | 26% | 0.16 | 0.17 | 0.01 | 8% | 40,532,965 |
| Martin Lake | -10% | 0.16 | 0.17 | 0.02 | 10% | 49,259,447 |
| Monticello | -20% | 0.17 | 0.15 | -0.02 | -10% | 42,135,285 |
| Monticello | -15% | 0.16 | 0.15 | -0.01 | -4% | 33,386,072 |
| Oak Grove | | | 0.06 | | | |
| Oak Grove | | | 0.07 | | | |
| Oklaunion Power Station | 13% | 0.39 | 0.35 | -0.04 | -10% | 8,726,959 |
| Oklaunion Power Station | -49% | 0.36 | 0.35 | -0.02 | -5% | 10,093,889 |
| Sam Seymour | 3% | 0.11 | 0.11 | 0.00 | 2% | 31,403,272 |
| Sam Seymour | -9% | 0.11 | 0.11 | 0.01 | 5% | 33,649,135 |
| San Miguel | 11% | 0.19 | 0.18 | -0.01 | -7% | 6,834,095 |
| San Miguel | -42% | 0.19 | 0.19 | 0.00 | -1% | 10,990,202 |
| Sandow | -61% | 0.19 | 0.21 | 0.02 | 8% | 11,163,829 |
| Sandow | -45% | 0.20 | 0.08 | -0.12 | -61% | 7,321,824 |
| Sandow Station | | | 0.09 | | | |
| Sandow Station | | | 0.08 | | | |
| Tolk Station | 10% | 0.20 | 0.19 | -0.01 | -5% | 16,184,690 |
| Tolk Station | 38% | 0.17 | 0.19 | 0.02 | 9% | 16,546,583 |
| Twin Oaks | -42% | 0.15 | 0.11 | -0.04 | -26% | 6,889,148 |
| Twin Oaks | -31% | 0.15 | 0.11 | -0.03 | -23% | 6,696,858 |
| W A Parish | -9% | 0.05 | 0.05 | 0.00 | 0% | 44,803,258 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Coleto Creek | 7,864,105 | -5,936,051 | -43% |
| Coleto Creek | 9,329,128 | -3,192,294 | -25% |
| Gibbons Creek Steam Electric Station | 6,872,115 | -1,252,035 | -15% |
| Gibbons Creek Steam Electric Station | 8,940,922 | 524,905 | 6% |
| H W Pirkey Power Plant | 10,949,812 | 524,649 | 5% |
| H W Pirkey Power Plant | 12,015,814 | 2,664 | 0% |
| Harrington Station | 14,598,666 | -8,125,862 | -36% |
| Harrington Station | 17,573,240 | -5,327,121 | -23% |
| J K Spruce | 12,048,574 | -1,158,103 | -9% |
| J K Spruce | 11,312,971 | -1,948,701 | -15% |
| J T Deely | 11,083,930 | -3,477,543 | -24% |
| J T Deely | 16,746,140 | -846,431 | -5% |
| Limestone | 28,567,744 | -3,894,799 | -12% |
| Limestone | 34,227,389 | -3,601,540 | -10% |
| Martin Lake | 47,368,176 | 6,835,211 | 17% |
| Martin Lake | 40,684,291 | -8,575,156 | -17% |
| Monticello | 37,462,784 | -4,672,501 | -11% |
| Monticello | 29,377,172 | -4,008,900 | -12% |
| Oak Grove | 13,599,577 | | |
| Oak Grove | 17,875,764 | | |
| Oklaunion Power Station | 10,950,071 | 2,223,112 | 25% |
| Oklaunion Power Station | 5,425,719 | -4,668,170 | -46% |
| Sam Seymour | 31,676,391 | 273,119 | 1% |
| Sam Seymour | 29,187,933 | -4,461,202 | -13% |
| San Miguel | 8,090,908 | 1,256,812 | 18% |
| San Miguel | 6,396,856 | -4,593,346 | -42% |
| Sandow | 4,008,063 | -7,155,766 | -64% |
| Sandow | 10,405,947 | 3,084,123 | 42% |
| Sandow Station | 9,097,852 | | |
| Sandow Station | 5,847,459 | | |
| Tolk Station | 18,641,223 | 2,456,533 | 15% |
| Tolk Station | 20,951,449 | 4,404,867 | 27% |
| Twin Oaks | 5,447,739 | -1,441,409 | -21% |
| Twin Oaks | 6,041,125 | -655,733 | -10% |
| W A Parish | 40,912,333 | -3,890,926 | -9% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| W A Parish | TX | Fort Bend | 2 | 14,506 | 12,417 | -2,089 | -14% | 0.58 |
| Welsh Power Plant | TX | Titus | 1 | 6,138 | 6,035 | -104 | -2% | 0.45 |
| Welsh Power Plant | TX | Titus | 2 | 6,075 | 6,942 | 866 | 14% | 0.47 |
| Bonanza | UT | Uintah | 1 | 280 | 271 | -9 | -3% | 0.05 |
| Bonanza | UT | Uintah | 2 | 186 | 329 | 143 | 77% | 0.04 |
| Carbon | UT | Carbon | 1 | 1,408 | 1,733 | 325 | 23% | 0.96 |
| Carbon | UT | Carbon | 2 | 1,125 | 1,963 | 839 | 75% | 0.73 |
| Hunter | UT | Emery | 1 | 1,562 | 1,063 | -499 | -32% | 0.11 |
| Hunter | UT | Emery | 2 | 1,344 | 1,264 | -80 | -6% | 0.10 |
| Huntington | UT | Emery | 1 | 880 | 928 | 48 | 5% | 0.10 |
| Huntington | UT | Emery | 2 | 726 | 892 | 166 | 23% | 0.08 |
| Intermountain | UT | Millard | 1 | 1,406 | 1,403 | -3 | 0% | 0.08 |
| Intermountain | UT | Millard | 2 | 1,189 | 1,394 | 205 | 17% | 0.08 |
| Altavista Power Station | VA | Campbell | 1 | 25 | 14 | -11 | -45% | 0.07 |
| Altavista Power Station | VA | Campbell | 2 | 14 | 4 | -10 | -69% | 0.05 |
| Bremo Power Station | VA | Fluvanna | 1 | 2,930 | 1,217 | -1,713 | -58% | 1.37 |
| Bremo Power Station | VA | Fluvanna | 2 | 1,844 | 2,144 | 300 | 16% | 1.33 |
| Chesapeake Energy Center | VA | Chesapeake (City) | 1 | 4,460 | 5,597 | 1,137 | 25% | 0.88 |
| Chesapeake Energy Center | VA | Chesapeake (City) | 2 | 3,599 | 5,070 | 1,471 | 41% | 0.82 |
| Chesterfield Power Station | VA | Chesterfield | 1 | 13,925 | 8,803 | -5,122 | -37% | 1.61 |
| Chesterfield Power Station | VA | Chesterfield | 2 | 8,041 | 6,919 | -1,122 | -14% | 0.89 |
| Clinch River | VA | Russell | 1 | 6,191 | 1,440 | -4,751 | -77% | 1.21 |
| Clinch River | VA | Russell | 2 | 5,100 | 1,832 | -3,268 | -64% | 1.16 |
| Clover Power Station | VA | Halifax | 1 | 330 | 643 | 314 | 95% | 0.04 |
| Clover Power Station | VA | Halifax | 2 | 404 | 574 | 169 | 42% | 0.06 |
| Cogentrix-Hopewell | VA | Hopewell (City) | 1 | | 617 | | | |
| Cogentrix-Hopewell | VA | Hopewell (City) | 2 | 787 | 462 | -325 | -41% | 0.65 |
| Cogentrix-Portsmouth | VA | Portsmouth (City) | 1 | | 457 | | | |
| Cogentrix-Portsmouth | VA | Portsmouth (City) | 2 | 1,043 | 342 | -701 | -67% | 0.80 |
| Glen Lyn | VA | Giles | 1 | 3,441 | 376 | -3,066 | -89% | 1.27 |
| Glen Lyn | VA | Giles | 2 | 2,345 | 290 | -2,054 | -88% | 1.37 |
| Hopewell Power Station | VA | Hopewell (City) | 1 | 25 | 11 | -14 | -56% | 0.04 |
| Hopewell Power Station | VA | Hopewell (City) | 2 | 18 | 12 | -6 | -35% | 0.04 |
| Mecklenburg Power Station | VA | Mecklenburg | 1 | 106 | 132 | 26 | 25% | 0.10 |
| Mecklenburg Power Station | VA | Mecklenburg | 2 | 80 | 100 | 20 | 25% | 0.12 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| W A Parish | 0.57 | -0.01 | -1% | 1,210 | 1,082 | -128 |
| Welsh Power Plant | 0.47 | 0.03 | 6% | 2,431 | 2,439 | 8 |
| Welsh Power Plant | 0.47 | 0.01 | 1% | 2,336 | 2,683 | 347 |
| Bonanza | 0.06 | 0.00 | 6% | 1,839 | 1,798 | -41 |
| Bonanza | 0.07 | 0.03 | 92% | 1,606 | 1,608 | 2 |
| Carbon | 0.94 | -0.02 | -2% | 776 | 948 | 172 |
| Carbon | 1.04 | 0.31 | 42% | 721 | 978 | 257 |
| Hunter | 0.10 | -0.02 | -16% | 5,340 | 3,784 | -1,555 |
| Hunter | 0.11 | 0.00 | 5% | 4,979 | 4,020 | -958 |
| Huntington | 0.11 | 0.01 | 7% | 2,494 | 2,492 | -2 |
| Huntington | 0.11 | 0.03 | 30% | 2,459 | 2,314 | -145 |
| Intermountain | 0.08 | 0.00 | 5% | 6,673 | 7,078 | 405 |
| Intermountain | 0.08 | 0.00 | 4% | 6,102 | 7,342 | 1,240 |
| Altavista Power Station | 0.04 | -0.03 | -42% | 96 | 95 | -1 |
| Altavista Power Station | 0.03 | -0.02 | -42% | 84 | 45 | -39 |
| Bremo Power Station | 1.44 | 0.06 | 5% | 1,116 | 451 | -665 |
| Bremo Power Station | 1.63 | 0.29 | 22% | 617 | 445 | -172 |
| Chesapeake Energy Center | 1.06 | 0.18 | 21% | 2,284 | 829 | -1,455 |
| Chesapeake Energy Center | 1.11 | 0.29 | 35% | 933 | 790 | -143 |
| Chesterfield Power Station | 0.84 | -0.78 | -48% | 1,197 | 753 | -444 |
| Chesterfield Power Station | 0.69 | -0.19 | -22% | 793 | 738 | -55 |
| Clinch River | 0.82 | -0.39 | -32% | 2,106 | 424 | -1,682 |
| Clinch River | 0.87 | -0.29 | -25% | 1,603 | 530 | -1,073 |
| Clover Power Station | 0.07 | 0.03 | 86% | 2,562 | 2,688 | 126 |
| Clover Power Station | 0.07 | 0.01 | 16% | 1,734 | 2,368 | 634 |
| Cogentrix-Hopewell | 0.60 | | | 428 | 357 | -71 |
| Cogentrix-Hopewell | 0.59 | -0.06 | -9% | 371 | 256 | -115 |
| Cogentrix-Portsmouth | 0.64 | | | 356 | 229 | -126 |
| Cogentrix-Portsmouth | 0.65 | -0.16 | -20% | 385 | 168 | -216 |
| Glen Lyn | 1.42 | 0.14 | 11% | 1,139 | 113 | -1,026 |
| Glen Lyn | 1.51 | 0.14 | 10% | 704 | 79 | -625 |
| Hopewell Power Station | 0.04 | -0.01 | -18% | 164 | 89 | -75 |
| Hopewell Power Station | 0.05 | 0.01 | 15% | 122 | 73 | -49 |
| Mecklenburg Power Station | 0.13 | 0.03 | 30% | 295 | 272 | -23 |
| Mecklenburg Power Station | 0.15 | 0.04 | 31% | 201 | 185 | -17 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| W A Parish | -11% | 0.05 | 0.05 | 0.00 | 3% | 50,241,137 |
| Welsh Power Plant | 0% | 0.18 | 0.19 | 0.01 | 8% | 27,531,864 |
| Welsh Power Plant | 15% | 0.18 | 0.18 | 0.00 | 2% | 25,900,266 |
| Bonanza | -2% | 0.35 | 0.37 | 0.03 | 7% | 10,601,281 |
| Bonanza | 0% | 0.33 | 0.36 | 0.03 | 9% | 9,830,054 |
| Carbon | 22% | 0.53 | 0.51 | -0.02 | -3% | 2,927,705 |
| Carbon | 36% | 0.47 | 0.52 | 0.05 | 11% | 3,065,066 |
| Hunter | -29% | 0.39 | 0.34 | -0.05 | -13% | 27,271,638 |
| Hunter | -19% | 0.37 | 0.34 | -0.04 | -10% | 26,653,827 |
| Huntington | 0% | 0.29 | 0.29 | 0.00 | 1% | 17,401,421 |
| Huntington | -6% | 0.28 | 0.28 | 0.00 | 0% | 17,280,284 |
| Intermountain | 6% | 0.37 | 0.41 | 0.04 | 12% | 36,397,656 |
| Intermountain | 20% | 0.39 | 0.42 | 0.03 | 6% | 31,088,006 |
| Altavista Power Station | -1% | 0.27 | 0.29 | 0.02 | 6% | 697,586 |
| Altavista Power Station | -46% | 0.27 | 0.27 | 0.00 | 0% | 615,673 |
| Bremo Power Station | -60% | 0.52 | 0.53 | 0.01 | 2% | 4,269,826 |
| Bremo Power Station | -28% | 0.45 | 0.34 | -0.11 | -24% | 2,769,265 |
| Chesapeake Energy Center | -64% | 0.45 | 0.16 | -0.29 | -65% | 10,180,172 |
| Chesapeake Energy Center | -15% | 0.21 | 0.17 | -0.04 | -19% | 8,797,378 |
| Chesterfield Power Station | -37% | 0.14 | 0.07 | -0.07 | -48% | 17,269,868 |
| Chesterfield Power Station | -7% | 0.09 | 0.07 | -0.01 | -15% | 18,167,107 |
| Clinch River | -80% | 0.41 | 0.24 | -0.17 | -42% | 10,246,451 |
| Clinch River | -67% | 0.37 | 0.25 | -0.11 | -31% | 8,759,792 |
| Clover Power Station | 5% | 0.30 | 0.30 | 0.00 | 0% | 17,253,400 |
| Clover Power Station | 37% | 0.26 | 0.29 | 0.03 | 12% | 13,320,561 |
| Cogentrix-Hopewell | -17% | 0.30 | 0.35 | 0.05 | 18% | 2,898,297 |
| Cogentrix-Hopewell | -31% | 0.31 | 0.33 | 0.02 | 7% | 2,424,131 |
| Cogentrix-Portsmouth | -36% | 0.29 | 0.32 | 0.03 | 10% | 2,455,948 |
| Cogentrix-Portsmouth | -56% | 0.30 | 0.32 | 0.02 | 7% | 2,594,848 |
| Glen Lyn | -90% | 0.42 | 0.43 | 0.01 | 1% | 5,406,127 |
| Glen Lyn | -89% | 0.41 | 0.41 | 0.00 | 0% | 3,419,346 |
| Hopewell Power Station | -46% | 0.28 | 0.28 | 0.00 | 1% | 1,160,289 |
| Hopewell Power Station | -40% | 0.28 | 0.29 | 0.02 | 6% | 886,927 |
| Mecklenburg Power Station | -8% | 0.29 | 0.28 | -0.01 | -4% | 2,032,151 |
| Mecklenburg Power Station | -8% | 0.29 | 0.28 | -0.01 | -3% | 1,390,533 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| W A Parish | 43,630,332 | -6,610,804 | -13% |
| Welsh Power Plant | 25,484,798 | -2,047,066 | -7% |
| Welsh Power Plant | 29,243,011 | 3,342,745 | 13% |
| Bonanza | 9,660,376 | -940,905 | -9% |
| Bonanza | 9,051,052 | -779,002 | -8% |
| Carbon | 3,682,497 | 754,791 | 26% |
| Carbon | 3,761,777 | 696,711 | 23% |
| Hunter | 22,206,221 | -5,065,417 | -19% |
| Hunter | 23,966,608 | -2,687,218 | -10% |
| Huntington | 17,225,734 | -175,687 | -1% |
| Huntington | 16,304,757 | -975,527 | -6% |
| Intermountain | 34,570,448 | -1,827,209 | -5% |
| Intermountain | 35,158,988 | 4,070,982 | 13% |
| Altavista Power Station | 654,226 | -43,360 | -6% |
| Altavista Power Station | 330,229 | -285,444 | -46% |
| Bremo Power Station | 1,694,340 | -2,575,486 | -60% |
| Bremo Power Station | 2,638,192 | -131,073 | -5% |
| Chesapeake Energy Center | 10,593,678 | 413,507 | 4% |
| Chesapeake Energy Center | 9,154,949 | 357,571 | 4% |
| Chesterfield Power Station | 21,065,138 | 3,795,270 | 22% |
| Chesterfield Power Station | 20,006,399 | 1,839,292 | 10% |
| Clinch River | 3,525,102 | -6,721,349 | -66% |
| Clinch River | 4,211,522 | -4,548,270 | -52% |
| Clover Power Station | 18,150,305 | 896,905 | 5% |
| Clover Power Station | 16,273,688 | 2,953,127 | 22% |
| Cogentrix-Hopewell | 2,045,909 | -852,387 | -29% |
| Cogentrix-Hopewell | 1,559,523 | -864,608 | -36% |
| Cogentrix-Portsmouth | 1,439,070 | -1,016,878 | -41% |
| Cogentrix-Portsmouth | 1,060,065 | -1,534,784 | -59% |
| Glen Lyn | 531,044 | -4,875,083 | -90% |
| Glen Lyn | 385,494 | -3,033,852 | -89% |
| Hopewell Power Station | 626,163 | -534,125 | -46% |
| Hopewell Power Station | 503,617 | -383,310 | -43% |
| Mecklenburg Power Station | 1,954,481 | -77,670 | -4% |
| Mecklenburg Power Station | 1,320,331 | -70,202 | -5% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Mirant Potomac River | VA | Alexandria (City) | 1 | 567 | 403 | -163 | -29% | 0.37 |
| Mirant Potomac River | VA | Alexandria (City) | 2 | 574 | | | | 0.35 |
| Possum Point Power Station | VA | Prince William | 1 | | 0 | | | |
| Possum Point Power Station | VA | Prince William | 2 | 0 | 0 | 0 | 29% | 0.00 |
| Southampton Power Station | VA | Southampton | 1 | 46 | 23 | -23 | -50% | 0.07 |
| Southampton Power Station | VA | Southampton | 2 | 34 | 19 | -15 | -44% | 0.07 |
| Yorktown Power Station | VA | York | 1 | 5,674 | 5,392 | -282 | -5% | 2.09 |
| Yorktown Power Station | VA | York | 2 | 5,012 | 4,467 | -545 | -11% | 2.19 |
| Centralia | WA | Lewis | 1 | 682 | 807 | 125 | 18% | 0.05 |
| Centralia | WA | Lewis | 2 | 312 | 484 | 172 | 55% | 0.05 |
| Alma | WI | Buffalo | 1 | 3,515 | 1,922 | -1,594 | -45% | 1.99 |
| Alma | WI | Buffalo | 2 | 2,187 | | | | 1.80 |
| Bay Front | WI | Ashland | 1 | 215 | 39 | -176 | -82% | 0.99 |
| Bay Front | WI | Ashland | 2 | 245 | 34 | -211 | -86% | 1.13 |
| Blount Street | WI | Dane | 1 | 24 | 0 | -23 | -99% | 2.12 |
| Blount Street | WI | Dane | 2 | 40 | | | | 2.40 |
| Columbia | WI | Columbia | 1 | 4,364 | 5,057 | 693 | 16% | 0.65 |
| Columbia | WI | Columbia | 2 | 7,397 | 7,845 | 448 | 6% | 0.69 |
| DTE Stoneman, LLC | WI | Grant | 1 | 192 | | | | 1.71 |
| DTE Stoneman, LLC | WI | Grant | 2 | 2 | | | | 1.30 |
| Edgewater (4050) | WI | Sheboygan | 1 | 3,864 | 3,851 | -13 | 0% | 0.58 |
| Edgewater (4050) | WI | Sheboygan | 2 | 3,426 | 3,692 | 266 | 8% | 0.63 |
| Elm Road Generating Station | WI | Milwaukee | 1 | | 20 | | | |
| Elm Road Generating Station | WI | Milwaukee | 2 | | 14 | | | |
| Genoa | WI | Vernon | 1 | 3,522 | 693 | -2,829 | -80% | 1.15 |
| Genoa | WI | Vernon | 2 | 2,703 | 1,730 | -973 | -36% | 1.04 |
| J P Madgett | WI | Buffalo | 1 | 2,350 | 1,595 | -755 | -32% | 0.59 |
| J P Madgett | WI | Buffalo | 2 | 2,105 | 1,183 | -922 | -44% | 0.63 |
| Manitowoc | WI | Manitowoc | 1 | 260 | | | | 0.97 |
| Manitowoc | WI | Manitowoc | 2 | 176 | 2 | -174 | -99% | 1.10 |
| Nelson Dewey | WI | Grant | 1 | 4,605 | 3,552 | -1,053 | -23% | 1.76 |
| Nelson Dewey | WI | Grant | 2 | 2,779 | 3,176 | 397 | 14% | 1.66 |
| Pleasant Prairie | WI | Kenosha | 1 | 281 | 232 | -49 | -18% | 0.03 |
| Pleasant Prairie | WI | Kenosha | 2 | 243 | 301 | 58 | 24% | 0.02 |
| Pulliam | WI | Brown | 1 | 2,072 | 1,523 | -550 | -27% | 0.74 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Mirant Potomac River | 0.26 | -0.10 | -29% | 350 | 380 | 29 |
| Mirant Potomac River | | | | 436 | | |
| Possum Point Power Station | 0.00 | | | | 1 | |
| Possum Point Power Station | 0.00 | 0.00 | 0% | 25 | 30 | 5 |
| Southampton Power Station | 0.05 | -0.01 | -20% | 261 | 163 | -98 |
| Southampton Power Station | 0.06 | -0.01 | -17% | 174 | 115 | -59 |
| Yorktown Power Station | 2.17 | 0.07 | 3% | 1,317 | 657 | -660 |
| Yorktown Power Station | 2.18 | -0.01 | 0% | 573 | 674 | 101 |
| Centralia | 0.05 | 0.00 | 8% | 3,266 | 3,531 | 265 |
| Centralia | 0.08 | 0.03 | 50% | 1,309 | 1,373 | 64 |
| Alma | 2.36 | 0.37 | 19% | 1,306 | 301 | -1,005 |
| Alma | | | | 874 | | |
| Bay Front | 0.46 | -0.53 | -54% | 203 | 77 | -126 |
| Bay Front | 0.46 | -0.67 | -59% | 197 | 66 | -132 |
| Blount Street | 0.34 | -1.78 | -84% | 7 | 0 | -7 |
| Blount Street | | | | 11 | | |
| Columbia | 0.72 | 0.08 | 12% | 880 | 924 | 44 |
| Columbia | 0.70 | 0.02 | 2% | 1,416 | 1,499 | 84 |
| DTE Stoneman, LLC | | | | 42 | | |
| DTE Stoneman, LLC | | | | 1 | | |
| Edgewater (4050) | 0.63 | 0.05 | 8% | 1,289 | 865 | -424 |
| Edgewater (4050) | 0.66 | 0.03 | 4% | 1,100 | 782 | -317 |
| Elm Road Generating Station | 0.01 | | | | 97 | |
| Elm Road Generating Station | 0.01 | | | | 112 | |
| Genoa | 0.30 | -0.85 | -74% | 833 | 434 | -399 |
| Genoa | 0.71 | -0.33 | -32% | 647 | 377 | -269 |
| J P Madgett | 0.43 | -0.16 | -28% | 1,041 | 887 | -154 |
| J P Madgett | 0.43 | -0.20 | -31% | 899 | 690 | -209 |
| Manitowoc | | | | 70 | | |
| Manitowoc | 2.06 | 0.96 | 87% | 42 | 1 | -42 |
| Nelson Dewey | 1.85 | 0.09 | 5% | 845 | 854 | 9 |
| Nelson Dewey | 1.81 | 0.15 | 9% | 580 | 727 | 147 |
| Pleasant Prairie | 0.03 | 0.00 | 5% | 668 | 524 | -144 |
| Pleasant Prairie | 0.03 | 0.00 | 8% | 653 | 726 | 73 |
| Pulliam | 0.55 | -0.19 | -26% | 1,464 | 935 | -529 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Mirant Potomac River | 8% | 0.23 | 0.25 | 0.02 | 9% | 3,090,926 |
| Mirant Potomac River | | 0.27 | | | | 3,290,111 |
| Possum Point Power Station | | | 0.16 | | | |
| Possum Point Power Station | 18% | 0.11 | 0.10 | -0.01 | -8% | 471,155 |
| Southampton Power Station | -38% | 0.39 | 0.39 | 0.00 | 0% | 1,330,792 |
| Southampton Power Station | -34% | 0.39 | 0.38 | -0.01 | -3% | 898,842 |
| Yorktown Power Station | -50% | 0.49 | 0.26 | -0.22 | -46% | 5,419,457 |
| Yorktown Power Station | 18% | 0.25 | 0.33 | 0.08 | 31% | 4,575,100 |
| Centralia | 8% | 0.23 | 0.22 | 0.00 | -2% | 28,705,610 |
| Centralia | 5% | 0.23 | 0.23 | 0.00 | 1% | 11,528,658 |
| Alma | -77% | 0.74 | 0.37 | -0.37 | -50% | 3,540,587 |
| Alma | | 0.72 | | | | 2,433,159 |
| Bay Front | -62% | 0.93 | 0.89 | -0.04 | -4% | 435,837 |
| Bay Front | -67% | 0.91 | 0.90 | -0.01 | -2% | 433,054 |
| Blount Street | -97% | 0.64 | 0.50 | -0.14 | -22% | 22,267 |
| Blount Street | | 0.65 | | | | 33,682 |
| Columbia | 5% | 0.13 | 0.13 | 0.00 | 1% | 13,443,031 |
| Columbia | 6% | 0.13 | 0.13 | 0.00 | 2% | 21,575,107 |
| DTE Stoneman, LLC | | 0.38 | | | | 225,254 |
| DTE Stoneman, LLC | | 0.33 | | | | 3,560 |
| Edgewater (4050) | -33% | 0.19 | 0.14 | -0.05 | -27% | 13,278,299 |
| Edgewater (4050) | -29% | 0.20 | 0.14 | -0.06 | -31% | 10,812,323 |
| Elm Road Generating Station | | | 0.05 | | | |
| Elm Road Generating Station | | | 0.05 | | | |
| Genoa | -48% | 0.27 | 0.19 | -0.08 | -31% | 6,148,438 |
| Genoa | -42% | 0.25 | 0.15 | -0.09 | -38% | 5,202,331 |
| J P Madgett | -15% | 0.26 | 0.24 | -0.02 | -9% | 7,911,952 |
| J P Madgett | -23% | 0.27 | 0.25 | -0.02 | -6% | 6,722,179 |
| Manitowoc | | 0.26 | | | | 535,666 |
| Manitowoc | -99% | 0.26 | 0.58 | 0.31 | 119% | 320,716 |
| Nelson Dewey | 1% | 0.32 | 0.45 | 0.12 | 38% | 5,239,218 |
| Nelson Dewey | 25% | 0.35 | 0.41 | 0.07 | 19% | 3,343,670 |
| Pleasant Prairie | -22% | 0.06 | 0.06 | 0.00 | 0% | 20,981,820 |
| Pleasant Prairie | 11% | 0.06 | 0.06 | 0.00 | -3% | 20,348,529 |
| Pulliam | -36% | 0.52 | 0.34 | -0.19 | -35% | 5,578,308 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Mirant Potomac River | 3,081,662 | -9,264 | 0% |
| Mirant Potomac River | | | |
| Possum Point Power Station | 11,902 | | |
| Possum Point Power Station | 609,236 | 138,081 | 29% |
| Southampton Power Station | 834,264 | -496,528 | -37% |
| Southampton Power Station | 610,565 | -288,277 | -32% |
| Yorktown Power Station | 4,977,339 | -442,118 | -8% |
| Yorktown Power Station | 4,091,021 | -484,079 | -11% |
| Centralia | 31,577,805 | 2,872,196 | 10% |
| Centralia | 11,944,625 | 415,967 | 4% |
| Alma | 1,629,894 | -1,910,693 | -54% |
| Alma | | | |
| Bay Front | 172,500 | -263,336 | -60% |
| Bay Front | 146,376 | -286,678 | -66% |
| Blount Street | 914 | -21,353 | -96% |
| Blount Street | | | |
| Columbia | 13,955,000 | 511,969 | 4% |
| Columbia | 22,377,950 | 802,843 | 4% |
| DTE Stoneman, LLC | | | |
| DTE Stoneman, LLC | | | |
| Edgewater (4050) | 12,199,328 | -1,078,972 | -8% |
| Edgewater (4050) | 11,208,361 | 396,038 | 4% |
| Elm Road Generating Station | 3,643,210 | | |
| Elm Road Generating Station | 4,739,380 | | |
| Genoa | 4,653,441 | -1,494,997 | -24% |
| Genoa | 4,904,346 | -297,985 | -6% |
| J P Madgett | 7,409,655 | -502,297 | -6% |
| J P Madgett | 5,509,235 | -1,212,944 | -18% |
| Manitowoc | | | |
| Manitowoc | 1,752 | -318,964 | -99% |
| Nelson Dewey | 3,835,069 | -1,404,149 | -27% |
| Nelson Dewey | 3,512,169 | 168,499 | 5% |
| Pleasant Prairie | 16,453,475 | -4,528,345 | -22% |
| Pleasant Prairie | 23,352,207 | 3,003,678 | 15% |
| Pulliam | 5,518,554 | -59,754 | -1% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Pulliam | WI | Brown | 2 | 2,037 | 1,291 | -746 | -37% | 0.69 |
| South Oak Creek | WI | Milwaukee | 1 | 3,852 | 3,038 | -814 | -21% | 0.43 |
| South Oak Creek | WI | Milwaukee | 2 | 3,407 | 2,473 | -934 | -27% | 0.44 |
| Valley (WEPCO) | WI | Milwaukee | 1 | 1,995 | 1,734 | -262 | -13% | 0.76 |
| Valley (WEPCO) | WI | Milwaukee | 2 | 1,406 | 778 | -628 | -45% | 0.75 |
| Weston | WI | Marathon | 1 | 2,601 | 2,979 | 378 | 15% | 0.59 |
| Weston | WI | Marathon | 2 | 2,502 | 2,607 | 105 | 4% | 0.61 |
| Albright Power Station | WV | Preston | 1 | 5,718 | 2,780 | -2,937 | -51% | 2.56 |
| Albright Power Station | WV | Preston | 2 | 3,767 | 663 | -3,104 | -82% | 2.54 |
| Fort Martin Power Station | WV | Monongalia | 1 | 21,649 | 248 | -21,400 | -99% | 2.53 |
| Fort Martin Power Station | WV | Monongalia | 2 | 19,685 | 422 | -19,263 | -98% | 2.49 |
| Harrison Power Station | WV | Harrison | 1 | 1,176 | 3,045 | 1,869 | 159% | 0.08 |
| Harrison Power Station | WV | Harrison | 2 | 1,007 | 2,905 | 1,898 | 189% | 0.08 |
| John E Amos | WV | Putnam | 1 | 29,453 | 6,985 | -22,468 | -76% | 1.19 |
| John E Amos | WV | Putnam | 2 | 22,122 | 6,920 | -15,202 | -69% | 1.22 |
| Kammer | WV | Marshall | 1 | 11,066 | 4,863 | -6,203 | -56% | 2.31 |
| Kammer | WV | Marshall | 2 | 8,329 | 3,064 | -5,264 | -63% | 2.23 |
| Kanawha River | WV | Kanawha | 1 | 4,537 | 1,384 | -3,153 | -69% | 1.29 |
| Kanawha River | WV | Kanawha | 2 | 3,565 | 1,342 | -2,223 | -62% | 1.26 |
| Mitchell (WV) | WV | Marshall | 1 | 808 | 907 | 99 | 12% | 0.06 |
| Mitchell (WV) | WV | Marshall | 2 | 664 | 988 | 324 | 49% | 0.05 |
| Mount Storm Power Station | WV | Grant | 1 | 632 | 931 | 300 | 47% | 0.05 |
| Mount Storm Power Station | WV | Grant | 2 | 625 | 1,049 | 424 | 68% | 0.04 |
| Mountaineer (1301) | WV | Mason | 1 | 239 | 523 | 284 | 119% | 0.02 |
| Mountaineer (1301) | WV | Mason | 2 | 277 | 615 | 339 | 122% | 0.03 |
| North Branch Power Station | WV | Grant | 1 | 248 | | | | 0.27 |
| North Branch Power Station | WV | Grant | 2 | 265 | | | | 0.27 |
| Phil Sporn | WV | Mason | 1 | 12,481 | 6,347 | -6,134 | -49% | 1.44 |
| Phil Sporn | WV | Mason | 2 | 9,994 | 3,627 | -6,367 | -64% | 1.51 |
| Pleasants Power Station | WV | Pleasants | 1 | 3,157 | 3,418 | 261 | 8% | 0.28 |
| Pleasants Power Station | WV | Pleasants | 2 | 2,577 | 2,998 | 421 | 16% | 0.29 |
| Rivesville Power Station | WV | Marion | 1 | 590 | 28 | -561 | -95% | 1.65 |
| Rivesville Power Station | WV | Marion | 2 | 201 | 30 | -170 | -85% | 1.55 |
| Willow Island Power Station | WV | Pleasants | 1 | 1,064 | 250 | -814 | -77% | 1.17 |
| Willow Island Power Station | WV | Pleasants | 2 | 1,041 | 152 | -889 | -85% | 1.33 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Pulliam | 0.57 | -0.12 | -17% | 1,639 | 626 | -1,013 |
| South Oak Creek | 0.43 | 0.00 | 0% | 1,307 | 988 | -318 |
| South Oak Creek | 0.45 | 0.01 | 3% | 1,197 | 737 | -460 |
| Valley (WEPCO) | 0.77 | 0.02 | 2% | 932 | 501 | -431 |
| Valley (WEPCO) | 0.76 | 0.01 | 1% | 689 | 241 | -449 |
| Weston | 0.33 | -0.26 | -44% | 1,558 | 973 | -585 |
| Weston | 0.31 | -0.29 | -48% | 1,306 | 855 | -451 |
| Albright Power Station | 2.42 | -0.15 | -6% | 1,036 | 440 | -597 |
| Albright Power Station | 2.24 | -0.29 | -12% | 586 | 147 | -439 |
| Fort Martin Power Station | 0.03 | -2.50 | -99% | 2,591 | 3,069 | 478 |
| Fort Martin Power Station | 0.06 | -2.42 | -97% | 2,191 | 2,057 | -134 |
| Harrison Power Station | 0.21 | 0.13 | 175% | 7,345 | 1,720 | -5,625 |
| Harrison Power Station | 0.19 | 0.11 | 139% | 2,679 | 2,638 | -41 |
| John E Amos | 0.37 | -0.82 | -69% | 5,852 | 911 | -4,941 |
| John E Amos | 0.34 | -0.87 | -72% | 2,360 | 1,069 | -1,291 |
| Kammer | 1.99 | -0.32 | -14% | 2,103 | 1,095 | -1,007 |
| Kammer | 2.01 | -0.22 | -10% | 1,633 | 669 | -964 |
| Kanawha River | 1.40 | 0.11 | 8% | 1,277 | 288 | -989 |
| Kanawha River | 1.31 | 0.05 | 4% | 1,032 | 307 | -726 |
| Mitchell (WV) | 0.07 | 0.01 | 12% | 7,746 | 576 | -7,170 |
| Mitchell (WV) | 0.09 | 0.03 | 57% | 2,682 | 578 | -2,104 |
| Mount Storm Power Station | 0.07 | 0.02 | 51% | 1,036 | 1,092 | 56 |
| Mount Storm Power Station | 0.08 | 0.03 | 76% | 1,002 | 1,054 | 51 |
| Mountaineer (1301) | 0.04 | 0.02 | 93% | 466 | 631 | 165 |
| Mountaineer (1301) | 0.06 | 0.03 | 122% | 629 | 555 | -74 |
| North Branch Power Station | | | | 361 | | |
| North Branch Power Station | | | | 367 | | |
| Phil Sporn | 1.49 | 0.05 | 4% | 3,145 | 1,363 | -1,783 |
| Phil Sporn | 1.46 | -0.05 | -3% | 2,324 | 741 | -1,582 |
| Pleasants Power Station | 0.29 | 0.02 | 7% | 959 | 1,796 | 837 |
| Pleasants Power Station | 0.28 | -0.01 | -5% | 699 | 1,510 | 811 |
| Rivesville Power Station | 1.22 | -0.43 | -26% | 217 | 14 | -203 |
| Rivesville Power Station | 1.28 | -0.27 | -17% | 89 | 14 | -75 |
| Willow Island Power Station | 1.29 | 0.11 | 10% | 563 | 126 | -437 |
| Willow Island Power Station | 1.26 | -0.07 | -5% | 501 | 66 | -435 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**
**Acid Rain Program Emissions, E**
***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Pulliam | -62% | 0.55 | 0.28 | -0.28 | -50% | 5,928,963 |
| South Oak Creek | -24% | 0.15 | 0.14 | -0.01 | -4% | 18,019,960 |
| South Oak Creek | -38% | 0.16 | 0.14 | -0.02 | -13% | 15,436,215 |
| Valley (WEPCO) | -46% | 0.35 | 0.22 | -0.13 | -37% | 5,271,184 |
| Valley (WEPCO) | -65% | 0.37 | 0.23 | -0.13 | -36% | 3,770,872 |
| Weston | -38% | 0.35 | 0.11 | -0.24 | -70% | 8,886,926 |
| Weston | -35% | 0.32 | 0.10 | -0.21 | -67% | 8,253,441 |
| Albright Power Station | -58% | 0.46 | 0.38 | -0.08 | -18% | 4,463,638 |
| Albright Power Station | -75% | 0.39 | 0.50 | 0.10 | 26% | 2,971,059 |
| Fort Martin Power Station | 18% | 0.30 | 0.33 | 0.03 | 9% | 17,128,374 |
| Fort Martin Power Station | -6% | 0.28 | 0.31 | 0.04 | 13% | 15,836,019 |
| Harrison Power Station | -77% | 0.48 | 0.12 | -0.36 | -75% | 30,811,634 |
| Harrison Power Station | -2% | 0.21 | 0.17 | -0.04 | -19% | 25,933,620 |
| John E Amos | -84% | 0.24 | 0.05 | -0.19 | -79% | 49,650,469 |
| John E Amos | -55% | 0.13 | 0.05 | -0.08 | -59% | 36,385,836 |
| Kammer | -48% | 0.44 | 0.45 | 0.01 | 2% | 9,596,951 |
| Kammer | -59% | 0.44 | 0.44 | 0.00 | 0% | 7,477,047 |
| Kanawha River | -77% | 0.36 | 0.29 | -0.07 | -20% | 7,036,456 |
| Kanawha River | -70% | 0.36 | 0.30 | -0.07 | -18% | 5,664,596 |
| Mitchell (WV) | -93% | 0.57 | 0.04 | -0.53 | -93% | 27,059,469 |
| Mitchell (WV) | -78% | 0.22 | 0.05 | -0.17 | -77% | 24,340,969 |
| Mount Storm Power Station | 5% | 0.07 | 0.08 | 0.01 | 8% | 27,982,974 |
| Mount Storm Power Station | 5% | 0.07 | 0.08 | 0.01 | 10% | 28,059,864 |
| Mountaineer (1301) | 35% | 0.04 | 0.05 | 0.01 | 19% | 20,870,873 |
| Mountaineer (1301) | -12% | 0.06 | 0.05 | -0.01 | -12% | 21,739,654 |
| North Branch Power Station | | 0.39 | | | | 1,841,917 |
| North Branch Power Station | | 0.38 | | | | 1,958,597 |
| Phil Sporn | -57% | 0.36 | 0.32 | -0.04 | -12% | 17,297,592 |
| Phil Sporn | -68% | 0.35 | 0.30 | -0.05 | -15% | 13,262,026 |
| Pleasants Power Station | 87% | 0.08 | 0.15 | 0.07 | 85% | 22,923,308 |
| Pleasants Power Station | 116% | 0.08 | 0.14 | 0.06 | 77% | 17,529,804 |
| Rivesville Power Station | -93% | 0.61 | 0.63 | 0.02 | 3% | 712,948 |
| Rivesville Power Station | -84% | 0.69 | 0.59 | -0.10 | -14% | 258,737 |
| Willow Island Power Station | -78% | 0.62 | 0.65 | 0.03 | 5% | 1,815,162 |
| Willow Island Power Station | -87% | 0.64 | 0.54 | -0.10 | -15% | 1,566,739 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Pulliam | 4,535,871 | -1,393,092 | -23% |
| South Oak Creek | 14,158,566 | -3,861,395 | -21% |
| South Oak Creek | 10,913,494 | -4,522,721 | -29% |
| Valley (WEPCO) | 4,476,606 | -794,578 | -15% |
| Valley (WEPCO) | 2,055,879 | -1,714,993 | -45% |
| Weston | 18,253,234 | 9,366,308 | 105% |
| Weston | 16,586,900 | 8,333,459 | 101% |
| Albright Power Station | 2,301,698 | -2,161,940 | -48% |
| Albright Power Station | 591,123 | -2,379,936 | -80% |
| Fort Martin Power Station | 18,526,897 | 1,398,523 | 8% |
| Fort Martin Power Station | 13,135,477 | -2,700,542 | -17% |
| Harrison Power Station | 29,021,113 | -1,790,521 | -6% |
| Harrison Power Station | 31,355,598 | 5,421,978 | 21% |
| John E Amos | 37,620,468 | -12,030,001 | -24% |
| John E Amos | 40,185,886 | 3,800,050 | 10% |
| Kammer | 4,899,608 | -4,697,343 | -49% |
| Kammer | 3,053,251 | -4,423,796 | -59% |
| Kanawha River | 1,978,451 | -5,058,005 | -72% |
| Kanawha River | 2,049,406 | -3,615,189 | -64% |
| Mitchell (WV) | 27,021,125 | -38,344 | 0% |
| Mitchell (WV) | 23,040,964 | -1,300,006 | -5% |
| Mount Storm Power Station | 27,374,945 | -608,029 | -2% |
| Mount Storm Power Station | 26,714,083 | -1,345,781 | -5% |
| Mountaineer (1301) | 23,748,127 | 2,877,254 | 14% |
| Mountaineer (1301) | 21,737,541 | -2,113 | 0% |
| North Branch Power Station | | | |
| North Branch Power Station | | | |
| Phil Sporn | 8,495,067 | -8,802,525 | -51% |
| Phil Sporn | 4,961,534 | -8,300,492 | -63% |
| Pleasants Power Station | 23,201,940 | 278,632 | 1% |
| Pleasants Power Station | 21,353,736 | 3,823,932 | 22% |
| Rivesville Power Station | 46,235 | -666,713 | -94% |
| Rivesville Power Station | 47,541 | -211,196 | -82% |
| Willow Island Power Station | 388,282 | -1,426,880 | -79% |
| Willow Island Power Station | 242,463 | -1,324,276 | -85% |

## 2010 vs 2008 $SO_2$ and $NO_X$ Comparisons, Quarterly

## Acid Rain Program Emissions, Emissions Rate, and Heat Input Changes at Facilities (Coal Units Only)

***2008 data are final, 2010 are preliminary data submitted to EPA from sources as of August 5, 2010. EPA will update as it receives and verifies data.***

| Facility Name | State | County | Quarter | 2008 $SO_2$ Emissions (tons) | 2010 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (tons) | 2010 vs 2008 $SO_2$ Emissions (%) | 2008 $SO_2$ Emissions Rate (lb/mmBtu) |
|---|---|---|---|---|---|---|---|---|
| Dave Johnston | WY | Converse | 1 | 5,285 | 4,315 | -970 | -18% | 0.58 |
| Dave Johnston | WY | Converse | 2 | 4,583 | 3,020 | -1,563 | -34% | 0.57 |
| Jim Bridger | WY | Sweetwater | 1 | 5,507 | 4,384 | -1,123 | -20% | 0.26 |
| Jim Bridger | WY | Sweetwater | 2 | 4,108 | 2,499 | -1,609 | -39% | 0.26 |
| Laramie River | WY | Platte | 1 | 2,717 | 2,514 | -204 | -7% | 0.15 |
| Laramie River | WY | Platte | 2 | 2,395 | 1,911 | -484 | -20% | 0.15 |
| Naughton | WY | Lincoln | 1 | 5,877 | 5,257 | -620 | -11% | 0.74 |
| Naughton | WY | Lincoln | 2 | 5,436 | 4,604 | -832 | -15% | 0.80 |
| Neil Simpson II | WY | Campbell | 1 | 168 | 150 | -18 | -11% | 0.14 |
| Neil Simpson II | WY | Campbell | 2 | 158 | 127 | -31 | -20% | 0.14 |
| Wygen I | WY | Campbell | 1 | 172 | 155 | -17 | -10% | 0.15 |
| Wygen I | WY | Campbell | 2 | 154 | 80 | -74 | -48% | 0.14 |
| Wygen II | WY | Campbell | 1 | 71 | 52 | -18 | -26% | 0.07 |
| Wygen II | WY | Campbell | 2 | 44 | 51 | 8 | 18% | 0.04 |
| Wygen III | WY | Campbell | 2 | | 38 | | | |
| Wyodak | WY | Campbell | 1 | 1,964 | 1,575 | -389 | -20% | 0.47 |
| Wyodak | WY | Campbell | 2 | 2,133 | 1,824 | -310 | -15% | 0.50 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $SO_2$ Emissions Rate (%) | 2008 $NO_X$ Emissions (tons) | 2010 $NO_X$ Emissions (tons) | 2010 vs 2008 $NO_X$ Emissions (tons) |
|---|---|---|---|---|---|---|
| Dave Johnston | 0.56 | -0.02 | -3% | 3,216 | 2,343 | -873 |
| Dave Johnston | 0.47 | -0.10 | -18% | 3,103 | 1,557 | -1,546 |
| Jim Bridger | 0.21 | -0.05 | -19% | 6,474 | 5,447 | -1,027 |
| Jim Bridger | 0.17 | -0.09 | -35% | 4,348 | 2,945 | -1,402 |
| Laramie River | 0.14 | -0.01 | -5% | 5,007 | 4,873 | -134 |
| Laramie River | 0.13 | -0.02 | -13% | 4,011 | 3,275 | -736 |
| Naughton | 0.75 | 0.01 | 2% | 3,786 | 3,401 | -385 |
| Naughton | 0.67 | -0.13 | -16% | 3,291 | 3,505 | 214 |
| Neil Simpson II | 0.14 | 0.00 | -2% | 715 | 165 | -551 |
| Neil Simpson II | 0.12 | -0.01 | -9% | 169 | 144 | -25 |
| Wygen I | 0.14 | -0.01 | -7% | 152 | 150 | -1 |
| Wygen I | 0.13 | -0.01 | -6% | 140 | 81 | -59 |
| Wygen II | 0.05 | -0.02 | -32% | 59 | 71 | 12 |
| Wygen II | 0.05 | 0.01 | 26% | 75 | 70 | -6 |
| Wygen III | 0.05 | | | | 30 | |
| Wyodak | 0.45 | -0.03 | -5% | 1,200 | 917 | -283 |
| Wyodak | 0.44 | -0.06 | -12% | 1,212 | 1,146 | -66 |

**2010 vs 2008 $SO_2$ and $NO_X$ Com**

**Acid Rain Program Emissions, E**

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 vs 2008 $NO_X$ Emissions (%) | 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (lb/mmBtu) | 2010 vs 2008 $NO_X$ Emissions Rate (%) | 2008 Heat Input (mmBtu) |
|---|---|---|---|---|---|---|
| Dave Johnston | -27% | 0.35 | 0.30 | -0.05 | -14% | 18,334,299 |
| Dave Johnston | -50% | 0.39 | 0.24 | -0.14 | -37% | 16,117,715 |
| Jim Bridger | -16% | 0.31 | 0.26 | -0.05 | -15% | 42,428,336 |
| Jim Bridger | -32% | 0.28 | 0.20 | -0.08 | -27% | 31,145,292 |
| Laramie River | -3% | 0.27 | 0.27 | 0.00 | 0% | 37,383,813 |
| Laramie River | -18% | 0.26 | 0.23 | -0.03 | -11% | 30,988,421 |
| Naughton | -10% | 0.47 | 0.49 | 0.01 | 2% | 15,982,258 |
| Naughton | 7% | 0.48 | 0.51 | 0.03 | 5% | 13,627,069 |
| Neil Simpson II | -77% | 0.60 | 0.15 | -0.45 | -75% | 2,387,899 |
| Neil Simpson II | -15% | 0.15 | 0.14 | -0.01 | -4% | 2,323,357 |
| Wygen I | -1% | 0.13 | 0.14 | 0.00 | 3% | 2,291,311 |
| Wygen I | -42% | 0.13 | 0.14 | 0.01 | 6% | 2,160,504 |
| Wygen II | 20% | 0.06 | 0.07 | 0.01 | 11% | 2,015,630 |
| Wygen II | -8% | 0.06 | 0.06 | 0.00 | -1% | 2,430,280 |
| Wygen III | | | 0.04 | | | |
| Wyodak | -24% | 0.29 | 0.26 | -0.03 | -10% | 8,342,897 |
| Wyodak | -5% | 0.28 | 0.28 | -0.01 | -3% | 8,530,847 |

## 2010 vs 2008 $SO_2$ and $NO_X$ Com

## Acid Rain Program Emissions, E

***2008 data are final, 2010 are preliminary dat***

| Facility Name | 2010 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (mmBtu) | 2010 vs 2008 Heat Input (%) |
|---|---|---|---|
| Dave Johnston | 15,463,327 | -2,870,972 | -16% |
| Dave Johnston | 12,919,657 | -3,198,057 | -20% |
| Jim Bridger | 41,961,786 | -466,550 | -1% |
| Jim Bridger | 29,044,792 | -2,100,501 | -7% |
| Laramie River | 36,261,219 | -1,122,594 | -3% |
| Laramie River | 28,366,571 | -2,621,849 | -8% |
| Naughton | 14,017,166 | -1,965,092 | -12% |
| Naughton | 13,762,127 | 135,058 | 1% |
| Neil Simpson II | 2,183,938 | -203,961 | -9% |
| Neil Simpson II | 2,061,306 | -262,051 | -11% |
| Wygen I | 2,209,740 | -81,572 | -4% |
| Wygen I | 1,188,414 | -972,090 | -45% |
| Wygen II | 2,188,024 | 172,395 | 9% |
| Wygen II | 2,278,928 | -151,352 | -6% |
| Wygen III | 1,424,611 | | |
| Wyodak | 7,076,746 | -1,266,151 | -15% |
| Wyodak | 8,279,758 | -251,089 | -3% |