

# Coal-Based Power: Air Emissions, Generation & Consumption Trends, 1970-2015



| Year    | Coal Plant<br>SO <sup>2</sup> Emissions<br>(million short tons) | Coal Plant<br>NO <sup>x</sup> Emissions<br>(million short tons) | Coal Energy Consumption<br>CO <sup>2</sup> Emissions<br>(million metric tons) | Power Sector<br>Coal Consumption<br>(million short tons) | Net<br>Coal Generation<br>(billion kWh) |
|---------|---|---|---|--|---|
| 1970    | 15.8  | 3.9   | 1,207   | 320.2  | 704.4                                   |
| 1975    | 16.8  | 4.8   | 1,181   | 406.0  | 852.8                                   |
| 1980    | 16.1  | 6.1   | 1,436   | 569.3  | 1,161.6                                 |
| 1985    | 15.6  | 5.2   | 1,638   | 693.8  | 1,402.1                                 |
| 1990    | 15.2  | 5.6   | 1,821   | 782.6  | 1,594.0                                 |
| 1995    | 11.6  | 5.6   | 1,913   | 850.2  | 1,709.4                                 |
| 1996    | 12.2  | 5.6   | 1,995   | 896.9  | 1,795.2                                 |
| 1997    | 12.6  | 5.6   | 2,040   | 921.4  | 1,845.0                                 |
| 1998    | 12.5  | 5.4   | 2,064   | 936.6  | 1,873.5                                 |
| 1999    | 11.7  | 4.9   | 2,062   | 940.9  | 1,881.1                                 |
| 2000    | 10.6  | 4.6   | 2,155   | 985.8  | 1,966.3                                 |
| 2001    | 10.0  | 4.2   | 2,088   | 964.4  | 1,904.0                                 |
| 2002    | 9.9   | 4.2   | 2,095   | 977.5  | 1,933.1                                 |
| 2003    | 10.2  | 3.9   | 2,136   | 1,005.1  | 1,973.7                                 |
| 2004    | 9.8   | 3.6   | 2,160   | 1,016.3  | 1,978.3                                 |
| 2005    | 9.8   | 3.4   | 2,182   | 1,037.5  | 2,012.9                                 |
| 2006    | 9.3   | 3.3   | 2,147   | 1,026.6  | 1,990.5                                 |
| 2007    | 8.8   | 3.1   | 2,172   | 1,045.1  | 2,016.5                                 |
| 2008    | 7.5   | 2.9   | 2,140   | 1,040.6  | 1,985.8                                 |
| 2009    | 5.7   | 2.0   | 1,876   | 933.6  | 1,755.9                                 |
| 2010    | 5.2   | 2.1   | 1,986   | 975.1  | 1,847.3                                 |
| 2011    | 4.6   | 2.1   | 1,876   | 932.5  | 1,733.4                                 |
| 2012 r/ | 3.4   | 1.8   | 1,653   | 823.6  | 1,514.0                                 |
| 2013 r/ | 3.2   | 1.7   | 1,722   | 855.5  | 1,581.1                                 |
| 2014 r/ | 3.1   | 1.6   | 1,753   | 848.8  | 1,581.7                                 |
| 2015 p/ | 2.2   | 1.3   | 1,720   | 736.5  | 1,356.1                                 |

SOURCES: Environmental Protection Agency, *EPA Air Trends reports (1970-2002)* and EPA preliminary raw plant data (2003-2015) CAMD and AMPD data. Energy Information Administration (coal consumption, generation and CO<sup>2</sup> emissions).

p/ - Preliminary. r/ - Revised.

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