



The Cross-State Air Pollution Rule *Cutting Pollution Coming into Delaware*

To protect states afflicted by air pollution from outside their borders, EPA finalized the Cross-State Air Pollution Rule to reduce harmful emissions of sulfur dioxide (SO₂) and nitrogen oxides (NO_x) from power plants in the eastern half of the U.S. These clean air protections are called for under the “Good Neighbor” provision of the Clean Air Act – a provision ensuring that air pollution discharged by power plants in an upwind state do not contribute to unhealthy pollution levels in downwind states. These protections will help downwind states suffering from this harmful pollution restore healthy air for their citizens and maintain compliance with the health-based national ambient air quality standards.

Under this rule, harmful pollution will be significantly reduced: SO₂ emissions from power plants in the eastern half of the U.S. would be reduced 73% and NO_x emissions would be reduced 54%. Nationally, this rule will save up to 34,000 lives, prevent 400,000 asthma attacks, and avoid 1.8 million lost work or sick days each year once in place. The economic value of these benefits is estimated at \$120–280 billion each year. These benefits don’t even account for the value of increased agricultural crop and commercial forest yields, improvements to visibility, and reduced nitrogen and acid deposition.

Delawareans will reap vital health benefits from this rule.

Delaware has no emissions reductions requirements of its own under the CSAPR, but will see substantial health and environmental benefits due to pollution reductions from upwind states.

Outside pollution is currently impairing Delaware’s air quality. Reducing pollution from out of state sources will save up to 140 lives¹ and will prevent 71 heart attacks, 42 hospitalizations, and 37 ER visits in Delaware every year. Air quality improvement from this rule could benefit the over 27,900 children at risk for asthma in Delaware.² These reductions will also prevent 7,023 lost work days due to these illnesses and will provide about \$1.1 billion³ in benefits to Delaware each year. These benefits are just those related to avoided mortality, but there are other important health and environmental benefits not quantified here. Under these clean air protections, the quantified health benefits for Delaware are about what the state spent on health, hospitals, highways, police protection and parks and recreation combined in 2009⁴—in other words, this nearly half a billion in dollars in health benefits is very good news for Delawareans.



**as many as 140 lives
saved in Delaware
each year**

¹ U.S. Environmental Protection Agency (EPA). “Regulatory Impact Analysis for the Federal Implementation Plans to Reduce Interstate Transport of Fine Particulate Matter and Ozone in 27 States; Correction of SIP Approvals for 22 States,” June 2011 and Supplemental Information. <http://www.epa.gov/airtransport/pdfs/FinalRIA.pdf>

² American Lung Association. Pediatric asthma estimates are for those under 18 years of age and represent the estimated number of children who had asthma during 2009 based on age-specific national rates (NHIS) applied to age-specific county population estimates (US Census). <http://www.lungusa.org/finding-cures/our-research/trend-reports/estimated-prevalence.pdf>

³ U.S. Environmental Protection Agency (EPA). Estimate in 2007 dollars. See excel spreadsheet at: <http://www.epa.gov/airtransport/benefitsmap.html>

⁴ The U.S. Census reports that Delaware spent approximately \$ 0.06 billion on hospitals, \$.39 billion on health, \$.53 billion on highways, \$.11 billion on police protection and \$.05 billion on parks and recreation in 2009: <http://www.census.gov/govs/state/>.