

US EPA ARCHIVE DOCUMENT

Projected Annual SO ₂ Emissions from Power Plants with the Final Clean Air Interstate Rule		Annual SO ₂ (Million Tons)				
		2003	2010	2015	2020	Full Implementation of CAIR
Emissions without CAIR	CAIR Region	9.4	8.7	7.9	7.7	N/A
	Nationwide	10.6	9.7	8.9	8.6	N/A
CAIR Caps	CAIR Region	N/A	3.6	2.5	2.5	2.5
Emissions with CAIR	CAIR Region	N/A	5.1	4.0	3.3	2.5
	Nationwide	N/A	6.1	5.0	4.3	3.5
Percent Reduction with CAIR (Relative to 2003)	CAIR Region	N/A	44%	56%	64%	73%
	Nationwide	N/A	42%	53%	60%	67%

*As further explained in the note below, the region covering annual SO₂ and NO_x varies slightly from the ozone season NO_x region.

**See additional notes below.

Projected Annual NO _x Emissions from Power Plants with the Final Clean Air Interstate Rule		Annual NO _x (Million Tons)				
		2003	2009	2015	2020	Full Implementation of CAIR
Emissions without CAIR	CAIR Region	3.2	2.7	2.8	2.8	N/A
	Nationwide	4.2	3.6	3.7	3.7	N/A
CAIR Caps	CAIR Region	N/A	1.5	1.3	1.3	1.3
Emissions with CAIR	CAIR Region	N/A	1.5	1.3	1.3	1.3
	Nationwide	N/A	2.4	2.2	2.2	2.2
Percent Reduction with CAIR (Relative to 2003)	CAIR Region	N/A	52%	61%	61%	61%
	Nationwide	N/A	42%	48%	48%	48%

**As further explained in the note below, the region covering annual SO₂ and NO_x varies slightly from the ozone season NO_x region.*

***The final CAIR includes a compliance supplement pool of NO_x allowances (roughly 200,00 allowances) for the annual program, which could lead to slightly higher annual NO_x emissions than are stated here.*

** See additional notes below*

Projected Seasonal NO _x Emissions from Power Plants with the Final Clean Air Interstate Rule		Ozone Season NO _x (Million Tons)				
		2003	2009	2015	2020	Full Implementation of CAIR
Emissions without CAIR	CAIR Region	1.05	0.68	0.68	0.70	N/A
	Nationwide	1.60	1.20	1.21	1.22	N/A
CAIR Caps	CAIR Region	N/A	0.58	0.48	0.48	0.48
Emissions with CAIR	CAIR Region	N/A	0.56	0.47	0.47	0.47
	Nationwide	N/A	1.05	0.96	0.97	0.97
Percent Reduction with CAIR (Relative to 2003)	CAIR Region	N/A	47%	55%	55%	55%
	Nationwide	N/A	34%	40%	39%	39%

*As further explained in the note below, the region covering annual SO₂ and NO_x varies slightly from the ozone season NO_x region.

**See additional notes below

Projected Cost of Final Clean Air Interstate Rule	2010	2015	2020
	<i>(Billions of 1999 \$)</i>		
Total Annual Program Cost for the Region	\$2.3	\$3.6	\$4.7

For all of these tables, annual SO₂ and NO_x emissions data include the following States: Alabama, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Michigan, Minnesota, Mississippi, Missouri, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, West Virginia, and Wisconsin. Ozone season NO_x emissions include Alabama, Arkansas, Connecticut, Delaware, District of Columbia, Florida, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Massachusetts, Michigan, Mississippi, Missouri, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Virginia, West Virginia, and Wisconsin. Arkansas, Connecticut, and Massachusetts would be covered for ozone season NO_x only. Annual cost data is for all States affected by CAIR (both the annual and ozone season requirements). Delaware and New Jersey are also included in the Final CAIR ozone season requirement only, however, EPA intends to include these two States for the annual requirements through a separate regulatory action. The data included here is derived from a modeling run using IPM that applied both annual and an ozone season caps on certain States. The data here may differ slightly from modeling that appears in the Final CAIR Federal Register Notice and RIA because those modeling results were largely based upon a model run that included Arkansas, Delaware, and New Jersey in the annual CAIR requirements and also did not apply an ozone season cap on any States (the modeling was completed before EPA had determined the final scope of CAIR because of the length of time necessary to perform air quality modeling). Since that time, EPA has done revised IPM modeling, the results of which appear here.