

US EPA ARCHIVE DOCUMENT

**State Emission Budget Calculation Technical Support Document for the
Proposed Clean Air Interstate Rule – Supplemental Notice of Proposed Rulemaking
May 2004**

This document provides a description of the data sources used in the calculation of state emission budgets under the Clean Air Interstate Rule (CAIR), and additional detail regarding the correction of Acid Rain Program-based SO₂ budgets presented in the CAIR NPR. In addition, the attached memorandum describes in further detail the data used in state budget calculations, as well as the manipulation of that data.

Overview of Data Sources

State-level average heat input data for the years 1999-2002 were used to distribute the 2010 and 2015 regional NO_x emission budgets to states. The primary source of heat input data was unit-level Acid Rain Program data. Energy Information Administration (EIA) plant-level heat input data was used to supplement Acid Rain Program data when necessary. Non-Acid Rain FERC-qualifying cogeneration plants that would potentially be exempt from the rule were identified and omitted from the total state heat input data. All of the assumptions made pertaining to the aggregation or exclusion of data are described in the attached memorandum. Furthermore, the data discussed in this technical support document are available in the docket and on the CAIR Technical Information website <<http://www.epa.gov/interstateairquality/technical.html>>.

State SO₂ Emission Budgets – Correction of Acid Rain Program-Based SO₂ Budgets in the NPR

The CAIR SNPR includes state-level annual SO₂ budgets that have been recalculated to correct for a slight calculation error in the CAIR NPR. As part of the budget calculations EPA apportioned the 250,000 “Special Allowance Reserve” allowances to states on the basis of each state’s share of total annual Phase II allowances under title IV. In the SO₂ budget calculations presented in the NPR, EPA had inadvertently apportioned these allowances to 45 states + DC, rather than 48 states + DC. This correction changes state SO₂ budgets slightly from those presented in the NPR.