



## Online Information, Data and Resources

The availability and transparency of data – from emissions measurement to allowance trading to deposition monitoring – are a cornerstone of effective cap and trade programs. Complete data, reports, and mapping tools for EPA-managed cap and trade programs are available on-line at [www.epa.gov/airmarkets](http://www.epa.gov/airmarkets). This fact sheet serves as a quick reference for these data resources.

### Programs

#### [www.epa.gov/airmarkets/arp/index.html](http://www.epa.gov/airmarkets/arp/index.html)

**Acid Rain Program.** Information on the nationwide SO<sub>2</sub> cap and trade program to reduce acid rain includes complete, source-specific emission monitoring data, allowance tracking, and trading data and progress reports.

#### [www.epa.gov/airmarkets/fednox/index.html](http://www.epa.gov/airmarkets/fednox/index.html)

**SIP Call NOx Budget Trading Program.** The NOx SIP call's regional cap and trade program to control NOx emissions contributing to non-attainment of the ozone standard in the eastern U.S.

#### [www.epa.gov/airmarkets](http://www.epa.gov/airmarkets)

**Additional Programs.** Information and analyses on current and pending proposals to further reduce emissions with a cap and trade mechanism.

### Doing Business with EPA

Regulated entities under the cap and trade programs use on-line tools to meet program requirements, such as transferring allowances, changing account information, and submitting compliance forms. The general public and other private parties can review allowance information, set up general accounts to hold allowances, and review regulations. See:

#### [www.epa.gov/airmarkets/business/index.html](http://www.epa.gov/airmarkets/business/index.html)

**Doing Business with Us**

#### [www.epa.gov/airmarkets/tracking/index.html](http://www.epa.gov/airmarkets/tracking/index.html)

**Allowance Tracking Information**

#### [www.epa.gov/airmarkets/monitoring/index.html](http://www.epa.gov/airmarkets/monitoring/index.html)

**Emissions Monitoring Guidance**

#### <http://www.epa.gov/airmarkets/progsregs/index.html>

**Regulations as Published in the Federal Register**

### Data, Mapping, Modeling, and Query Tools

#### <http://cfpub.epa.gov/gdm/>

**Data:** Users can download emissions data for a particular unit, state, or period of time; hourly, monthly, and quarterly emission data by state and year for all the units reporting under their respective programs; raw emissions data for all programs; and acid deposition data.

#### <http://nadp.sws.uiuc.edu/>

**Deposition Monitoring.** The **National Atmospheric Deposition Program** collects data on wet deposition and precipitation chemistry. Inter-agency partnerships provide long term deposition and air quality monitoring data. This environmental monitoring is important to understanding how emissions reductions actually affect the environment.

#### [www.epa.gov/castnet/](http://www.epa.gov/castnet/)

**Atmospheric Deposition and Air Quality Monitoring.** The **Clean Air Status and Trends Network (CASTNET)** provides data on dry deposition and air quality. In partnership with the National Park Service, EPA provides long term data on acid deposition, rural ozone, and long-range transport of air pollution.

## Data, Mapping, Modeling and Query Tools

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### [www.epa.gov/airmarkets/cmap/index.html](http://www.epa.gov/airmarkets/cmap/index.html)

**Mapping:** The Clean Air Mapping and Analysis Program (C-MAP) is a geographic information system (GIS) assessment tool used to better understand, characterize, and conduct analysis of the benefits of national and regional emission reduction programs. It offers maps and various GIS data sets to assess progress in reducing emissions and resulting environmental impacts.

### [www.epa.gov/airmarkets/epa-ipm/](http://www.epa.gov/airmarkets/epa-ipm/)

**Modeling:** Extensive analyses performed using the Integrated Planning Model (IPM) to analyze projected emissions and costs of environmental policies on the U.S. electric power sector.

## Reports and References

### [www.epa.gov/airmarkets/articles/clearingtheair.pdf](http://www.epa.gov/airmarkets/articles/clearingtheair.pdf)

“Clearing the Air: The Truth about Capping and Trading Emissions,” provides general information on cap and trade programs and principles.

### [www.epa.gov/airmarkets/international/tools.pdf](http://www.epa.gov/airmarkets/international/tools.pdf)

“Tools of the Trade: A Guide to Designing and Operating a Cap and Trade Program for Pollution Control,” provides information on how to structure and operate a cap and trade system.

### [www.epa.gov/airmarkets/cmprpt](http://www.epa.gov/airmarkets/cmprpt)

**Compliance and Progress Reports.** For detailed reports on source-level compliance, as well as overall environmental and market trends, see compliance and progress reports for EPA programs.

<http://www.epa.gov/airmarkets/cmprpt/index.html>

**Acid Rain Progress Report.** Beginning 1995, annual reporting on SO<sub>2</sub> and NO<sub>x</sub> emissions levels, SO<sub>2</sub> allowance market information, status and trends in acid deposition, and related air quality.

<http://www.epa.gov/airmarkets/otc/otcreport.pdf>

**Ozone Transport Commission (OTC) NO<sub>x</sub> Budget Program, 1999-2002 Progress Report.** The OTC was established to help states in the Northeast and Mid-Atlantic region meet the National Ambient Air Quality Standard (NAAQS) for ground-level ozone. Includes information on emission reductions; ambient trends and future emission reduction needs; and market activity, and compliance costs.

<http://www.epa.gov/airmarkets/usca/brochure/brochure.htm#about>

**Cleaner Air through Cooperation, Canada/United States Progress under the Air Quality Agreement – 2003.** Includes recent progress made by Canada and the United States under the 1991 Air Quality Agreement, addressing transboundary air pollution, air quality programs, and scientific cooperation.

## Related Emissions and Air Quality Resources

### [www.epa.gov/cleanenergy/egrid/index.html](http://www.epa.gov/cleanenergy/egrid/index.html)

The Emissions and Generation Resource Integrated Database (eGRID) provides information on the air quality attributes of almost all the electric power generated in the United States. eGRID provides search options and information for individual power plants, generating companies, states, and regions of the power grid.

### [www.epa.gov/airtrends/](http://www.epa.gov/airtrends/)

For information on air quality trends, see “Air Quality Status and Trends” report. This report looks at the levels of criteria pollutants in the air and emissions from various sources to see how both have changed over time and to provide the current status of overall air quality.

### [AIRNow at www.epa.gov/airnow/](http://www.epa.gov/airnow/)

Current air quality maps, web cams, forecasts, and related state and local web sites.