

# **The Emission Inventory and Air Quality Home Page**

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## **Project Team**

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# Introduction

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- Purpose: Provide quick access (for EPA FIRE DRILLS) to a detailed emission inventory and air quality data
- Developed to support EPA, States, Industry, and the public in efforts related to the ozone NAAQS
- Contains nearly a hundred thousand interlinked pages that provide summaries, charts, maps, and tables of emission inventory and air quality data (2.5 Gigabytes)
- 1996 National Emissions Trends Inventory (v3.12)
- Emission Tracking System/Continuous Emissions Monitoring (ETS/CEM)
- 8-Hour Ozone Design Values by State, County, and MSA

# Overview

## Emissions and Air Quality Data Home Page

### Emission Inventory Data

- National Emission Trends Inventory (NET 1996)
  - State Level Emission Summaries
  - Metropolitan Statistical Area Level Emissions
- Clean Air Markets Division's ETS/CEM Data

### State and Area Maps

- View State Maps
- View MSA Maps
- Download Maps
- Color Shaded Relief Maps of U.S.

### Air Quality Monitoring, Modeling and Related Data

- 1997 - 1999 Air Quality Data
- 1996 - 1998 Air Quality Data
- Ozone Monitoring Sites
- Maps of Modeled 4th Maximum Ozone Concentrations
- Wind Roses for Selected Areas
- Spatial Clustering of Ambient Ozone in Eastern U.S.
- List of Current Nonattainment Areas (Green Book)

### Other Data of Interest

- Population Projections by County
- U.S. Map of Vehicle Miles Traveled (VMT) by County
- Growth Estimates - VMT by State and County
- Census Data and MSA Information
- Where People Work that Live Outside MSAs

# 1996 National Emission Trends (NET 96)

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- Inventory prepared by EPA's Emission Factor and Inventory Group with input from state and local environmental agencies
- Contains annual and ozone season daily emission estimates for criteria pollutants (VOC, NO<sub>x</sub>, CO, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and NH<sub>3</sub>) from three source categories:
  - Stationary point sources (including EGUs)
  - Area and off-road sources
  - On-road mobile sources
- Emissions from point sources are provided at the state-county-plant-point-source classification code (SCC) level
- Area and mobile source emissions provided at state-county-SCC level



## Clean Air Markets Division's Emissions Tracking System/Continuous Emissions Monitoring (ETS/CEM) Data

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- Hourly, quarterly, and annual data are reported quarterly to EPA's Emissions Tracking System
- Available for 1998, 1997, 1996, and 1995
- Includes state, plant, boiler level NO<sub>x</sub> emissions, heat input, and NO<sub>x</sub> emission rates

# Air Quality, Monitoring, and Related Data

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- Tables of 8-hour ozone design values for counties and monitoring sites
- Ozone season wind rose graphs
- Link to EPA's list of nonattainment areas for criteria pollutants
- Other data include: census data, projected population data, C/MSA information, and maps of VMT by county

# State and Area Maps

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- Pinpoints the locations and emissions of important pollutant sources, ozone monitors, and areas of interest
- Downloadable versions are available in Freelance format or GIF and Windows Meta File formats for easy manipulation

# Other Maps

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- County VOC and NO<sub>x</sub> emissions
- Modeled 4th daily maximum 8-hour averages for ozone
- 1997-99 8-hour air quality design values
- Color shaded relief maps of each state with county boundaries



# Conclusion

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- Future Plans
  - Update to Version 4 of the NET 96 Inventory
  - Include Native American Reservation data
  - Provide control cost analyses
  - 1999 and 2000 ETS/CEM data
- Please visit the site and provide comments and suggestions for its improvement
  - See “Corrections, Caveats, Explanations, Known Problems, and FAQ”