

**Emissions Inventory Preparation
Plans and Potential Areas for
Improvement of the Modeling
Inventory for the Eastern U.S.**

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Overview

- Base Year Emissions
- Projections
- Other Items of Interest
 - Multipollutant EIs and modeling
 - Iowa – CAP/HAP/GHG EI Project
 - Local Inventories
 - Emissions Modeling Framework
 - EIS

Base Year Emissions

- Using 2005 for current modeling projects
- Focus on developing 2008 NEI by 12/2010
- Many components of 2008 NEI will be available earlier than 12/2010

Base Year Emission Improvements

- Point
 - EIS will improve acquisition, quality assurance, analysis capabilities, and distribution
- Nonpoint
 - ERTAC developing consensus on methods
 - EPA goal is to complete emission estimates by July 2009

Base Year Emission Improvements (cont.)

- Mobile
 - Onroad – MOVES
 - Aircraft – EDMS for all airports (as points)
 - Locomotive – ERTAC
 - Marine
 - Inland waterways & Ports
 - ECA – Big Ships (C3)
 - OTAQ – Smaller Ships (C1, C2)
- Fires
 - Smartfire based EIs for 2003 through 2008

Projections

Overview of New Methods

- **Combustion sources** – Use AEO 2008 (forecasts to 2030)
- **Non-Combustion sources** – Use EMPAX-CGE as the economic driver for activity measures and use other improved activity measures
 - **Non-point priority sources** – improved activity measures
 - **Point priority sources** – Use statistical relationship of historical emissions to production/factors of production
 - **Use EMPAX-CGE** forecasts for all non-priority non-combustion sources
- **Sector Models**

Projections - Point Sources Priority Categories

- Petroleum refining
- Paper and Allied Products
- Chemical and Allied Products
- Primary Metals
- Stone, Clay, Glass and Concrete
- Oil and Gas Extraction

Projections - Nonpoint Sources Priority Categories

- Unpaved Roads (PM)
- 11 Residential Woodstove/Fireplace SCCs (VOC, PM, or NOx)
- Agricultural Crop Tilling (PM)
- Residential Outdoor Wood Burning Equipment (VOC, PM, or NOx)
- 189 Solvent Utilization SCCs (VOC)

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EIS Gateway – Current Features

- Manage user profile information
- Add, view and edit facility inventory information for their agency
- Query facility inventory data
- Access reporting codes
- Request support from the EPA through a central message center

EIS Gateway – Future Features

- Downloading a batch of all of your facility inventory data - March 2009
- Access to 2002 and 2005 emissions data - March 2009
- Access to more inventory development resources - April 2009
- Batch uploads of Facility and Emissions data – July 2009
- Access to the draft and final emissions inventories – Late 2010

Accessing EIS

- If you need an EIS ID & Password
 - <http://www.epa.gov/ttn/chief/eis/access.pdf>
- If you already have an EIS ID & Password
 - <https://eis.epa.gov/eis-system-web>