

# EPA Initiatives

## Environmental Focus 2009 Conference

October 27, 2009

Tom Diggs, EPA Region 6

# Plan to Cover

- **Administrator Jackson's Core Principles**
- **Five Key Air Initiatives**
  - **Climate Change Activities and Reduction in Greenhouse Gas Emissions**
  - **NAAQS/ Designations and SIPs**
  - **Clean Air Interstate Region Rule**
  - **School Air Toxics Monitoring**
  - **Stimulus Funding**

# Administrator Lisa Jackson's Message and Core Principles

- Message – “**EPA is Back on the Job**”



- Core Principles
  - **Science** must be the determining factor in EPA Decision Making
  - **Rule of Law** – we must faithfully implement the laws
  - **Transparency.**

# Climate Change Activities: Regulatory and Non-regulatory

- Proposed national legislation
- Finalization of National GHG Reporting
- Proposed “Endangerment and Cause or Contribute to” finding
- First GHG Vehicular Emissions Standards
- Renewable Fuels Standard
- Proposed PSD Permitting “Tailoring” rule
- Partnership efforts, Climate Showcase Communities program



# National Ambient Air Quality Standards Initiative

- All Six NAAQS standards now under review as required by the CAA Schedule
- Clean Air Act Section 109 requires NAAQS review every five years
- Five now required by Court Order or Settlement Agreement deadlines

# Ongoing NAAQS Reviews: Current Schedule

- Court-driven agenda for NAAQS review
  - Designing a proactive approach
  - Implementation follows review

NAAQS	Proposed Rule	Final Rule
NO <sub>2</sub> Primary	June 26, 2009*	January 22, 2010*
SO <sub>2</sub> Primary	November 16, 2009*	June 2, 2010*
NO <sub>2</sub> /SO <sub>2</sub> Secondary	February 12, 2010*	October 19, 2010*
CO	October 28, 2010*	May 13, 2011*
PM	January 2011	October 2011
Ozone	December 21, 2009	August 31, 2010
Lead	Last review completed 10/08, new schedule being developed	

\* Court ordered or settlement agreement deadlines

# Ozone NAAQS

- March 2008 standards: 0.075 ppm, 8-hour average (primary and secondary)
  - CASAC recommended more protective standards (0.060 – 0.070 ppm)
- On Sept. 16, 2009 EPA announced that the Administrator will reconsider the standards to ensure they are clearly grounded in science, protect public health with an adequate margin of safety, and are sufficient to protect the environment
- Reconsideration will be based on the scientific and technical record used in the March 2008 review (including more than 1,700 scientific studies)
- Expected schedule for reconsideration: NPR Dec. 21, 2009, and NFR Aug. 31, 2010
- The next review of the ozone NAAQS will continue as planned

# LOUISIANA OZONE NONATTAINMENT PARISHES

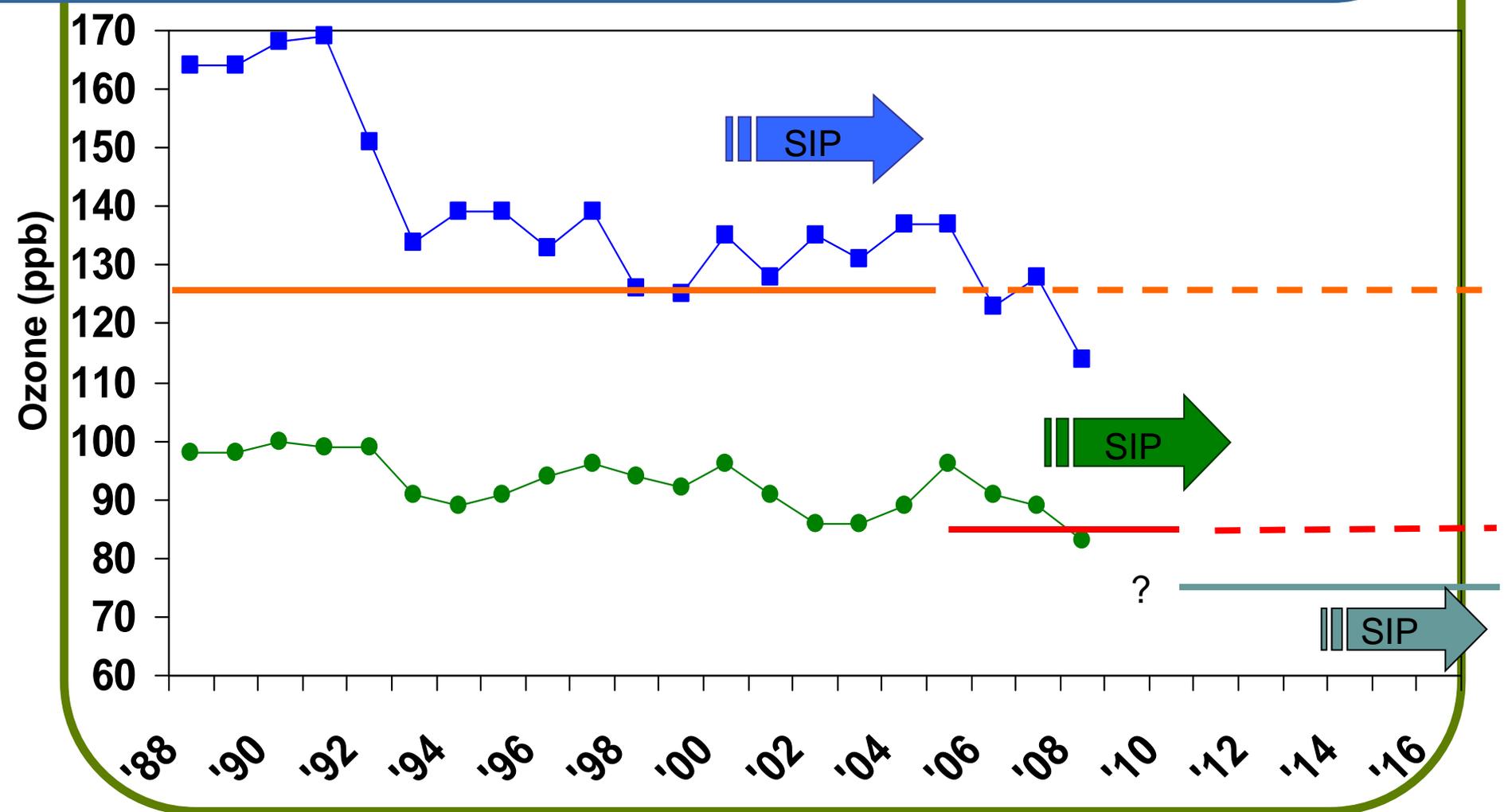
1-hour standard



1-hour & 8-hr 85 ppb  
standard



# Baton Rouge Air Quality



# Implementation Implications of Ozone NAAQS Reconsideration

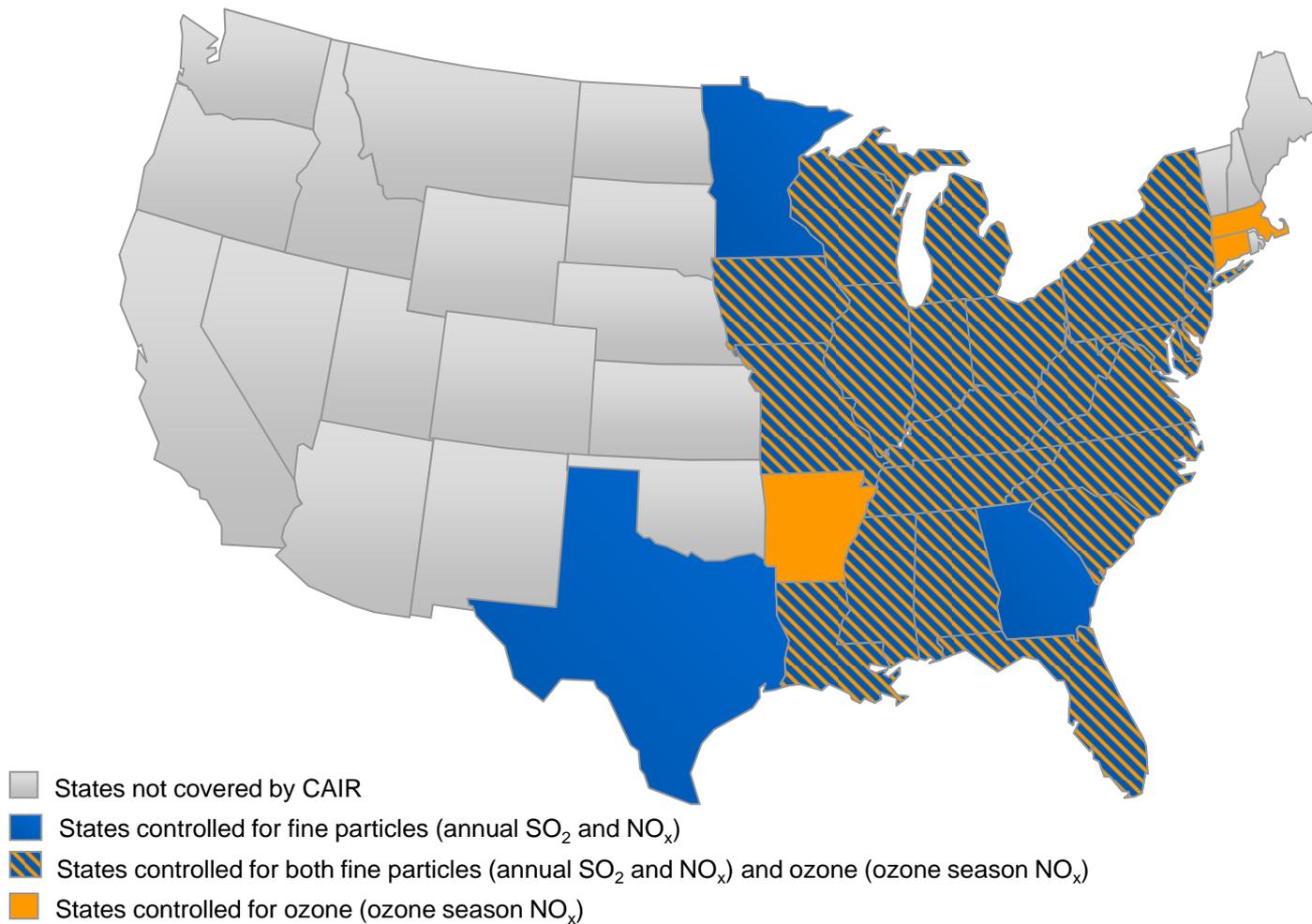
- EPA will propose to stay the required March 2010 initial designations for the 2008 NAAQS
  - 2008 NAAQS will remain effective for all other purposes, including PSD permitting
  - If EPA changes the NAAQS decision in August 2010, all regulatory requirements associated with that NAAQS will be superseded by the reconsidered NAAQS and start new implementation schedule
- EPA will establish expedited schedule for designations for reconsidered NAAQS and propose a December 2013 deadline for attainment SIPs
  - Governors' recommendations due to EPA by December 2010
  - EPA "120-day" letters to Governors no later than March 2011
  - Designations effective August 2011
  - Secondary standard designations schedule undetermined
- Goal of proposing new ozone implementation rule/guidance early in 2010
  - Classifications, attainment dates, attainment demonstration, reasonable further progress, reasonably available control technology (RACT), reasonably available control measures (RACM), nonattainment new source review (NSR), emission inventory, timing of SIP submissions, etc.

# Clean Air Interstate Region (CAIR) Overview

***CAIR is in full operation and will remain in effect until a replacement is put in place***

- **Finalized in 2005 and went into effect in 2006**
- **Affects 28 states + DC**
- **Annual SO<sub>2</sub> and NO<sub>x</sub> Phase I requirements in place**
  - Annual SO<sub>2</sub> cap
  - Annual NO<sub>x</sub> cap
- **Summertime NO<sub>x</sub> Phase I requirements in place**
  - Ozone season NO<sub>x</sub> cap
- **Expect CAIR Phase II limits to be replaced by new rulemaking**

# Clean Air Interstate Region



# School Air Toxics Monitoring Initiative

- Monitoring initiative announced March 2009
  - Initially 62 schools in 22 states
  - Now 63 schools plus two tribal schools
- Conducting “screening analysis” to look at how long-term exposure to toxics in outdoor air around selected schools might affect the health of school children, staff and the community.
  - Screening analysis: **“a statistical study of a population conducted to investigate the prevalence of a disease or concern”**
- Focusing on a diverse set of schools near:
  - Large industries
  - In urban areas, where air toxics come from a variety of sources
- Selected the schools based on:
  - USA Today analysis,
  - Draft 2002 National Air Toxics Assessment,
  - Consultation with EPA regional staff and state and local air agencies

# Current Status

## ● **Monitoring**

- 2 schools in Tenn. completed 60-day monitoring
- 54 sites currently operating monitors (assessing air at 61 schools)
- 2 tribal sites/schools operating
- One site in Louisiana – Eden Gardens Elementary School in Shreveport, LA.

## ● **Data**

- Data & analysis posted at [www.epa.gov/schoolair](http://www.epa.gov/schoolair)
- Includes:
  - Interim data and analysis reports for two Tenn. schools complete
  - Interim data currently available for 25 schools

# School Air Toxics Website

U.S. ENVIRONMENTAL PROTECTION AGENCY



## Assessing Outdoor Air Near Schools



Contact Us Search:  All EPA  This Area

You are here: [EPA Home](#) » [Air & Radiation](#) » [Assessing Outdoor Air Near Schools](#) » [List of Schools](#)

## List of Schools

### Schools Recommended For Initial Air Toxics Ambient Monitoring

Listed Alphabetically by State

School Name	City	State	Pollutants to be Monitored <sup>1</sup>	Monitoring Started	Data on Web
<a href="#">North Birmingham Elementary School</a> <sup>2</sup>	Birmingham	AL	Metals in PM10, Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Lewis Elementary School</a>	Birmingham	AL	Metals in PM10, Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Riggins School</a>	Birmingham	AL	Metals in PM10, Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Tarrant Elementary School</a>	Tarrant City	AL	Metals in PM10, Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Felton Elementary School</a>	Lennox	CA	Metals in TSP, PAH, VOC	yes	<a href="#">yes</a>
<a href="#">Santa Anita Christian Academy</a> <sup>3</sup>	El Monte	CA	Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Soto Street Elementary School</a>	Los Angeles	CA	Metals in TSP, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Stevens Creek Elementary School</a>	Cupertino	CA	Cr+6	yes	<a href="#">yes</a>
Roland-Story High School	Story City	IA	Diisocyanates	yes	
Saint Josaphat School	Chicago	IL	Cr+6 , Metals in PM10, Metals in TSP	yes	
Pittsboro Elementary School	Pittsboro	IN	Metals in PM10	yes	
Lincoln Elementary	Warsaw	IN	Metals in PM10, VOCs	yes	
Abraham Lincoln Elementary School	East Chicago	IN	Metals in PM10, Metals in TSP, PAH, VOCs	yes	
Jefferson Elementary School	Gary	IN	Metals in PM10, PAH, VOCs	yes	
Colvin Elementary	Wichita	KS	Cr+6, VOCs	yes	
<a href="#">Charles Russell Elementary School</a>	Ashland	KY	Metals in PM10, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Crabbe School</a>	Ashland	KY	Metals in PM10, PAH, VOCs	yes	<a href="#">yes</a>
<a href="#">Hatcher School</a>	Ashland	KY	Metals in PM10, PAH, VOCs	yes	<a href="#">yes</a>
Eden Gardens Fundamental Elementary School	Shreveport	LA	Carbonyls, Cr+6	yes	
<a href="#">Lincoln Park Elementary School</a>	Muskegon	MI	Cr+6, Metals in PM10	yes	<a href="#">yes</a>
<a href="#">Spain Elementary School</a>	Detroit	MI	VOCs	yes	<a href="#">yes</a>
<a href="#">Minnesota International Middle Charter School</a>	Minneapolis	MN	Cr+6, Diisocyanates, Metals in PM10	yes	<a href="#">yes</a>
<a href="#">Enterprise High School</a>	Enterprise	MS	VOCs	yes	<a href="#">yes</a>
Paulsboro High School	Paulsboro	NJ	VOCs, Carbonyls, Metals in PM10	yes	

Assessing Outdoor Air Near Schools Home

About the Project

Hoja informativa

Basic Information

Map of Schools

List of Schools

Monitored Pollutants

Children's Health Issues

What You Can Do

Frequent Questions

Preguntas y respuestas

Related Links

Technical Information

EPA Contacts

# AMERICAN RECOVERY AND REINVESTMENT ACT



Up to \$ 9.8 billion Dept. of Education funding:

- public school “green” renovations, upgrades

## **\$ 7.2 billion EPA funding:**

- \$ 6 billion Water SRF programs [20% for green infrastructure, energy efficiency, innovation]
- **\$ 300 million diesel retrofit**
- \$ 600 million Superfund remedies
- \$ 200 million Underground Storage Tanks
- \$ 100 million Brownfields

\$ 13.61 billion HUD/DOE environmentally related:

- Improved energy efficiency in low-income homes, public housing, schools, transportation, and local government operations
- Direct and competitive grants to local, tribal and State governments
- Promote research and job training for careers in renewable energy and energy efficiency industries



[www.epa.gov/recovery](http://www.epa.gov/recovery)

# Recovery Act Funding



Administrator Jackson announces first ARRA-DEIRA grants in Cincinnati, OH for school buses

- \$300M in Recovery Act for DERA to support job creation, stimulate economy and lower diesel emissions
  - 600 applications: \$2 billion in requests with over \$2 billion in matching dollars
  - 538 eligible applications
  - Programs in every state and DC
- 99% of funding awarded
- Outstanding work in awarding this funding in a timely manner
- Notes of appreciation from members of the Clean Diesel coalition

# In Summary as we look forward

- Support administration goals
  - Air quality and climate technology for clean energy and green jobs
  - Black carbon and ozone reductions benefit climate and air quality
- Renew integrity of scientific decision making for the NAAQS Reviews
- Act with urgency and imagination to:
  - Transform air quality management to benefit public health and climate
  - Reduce cumulative risks from air toxic emissions