

Environmental Focus 2007

A Multi-Media Forum

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Implementation of the Regional
Haze Rule

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Implementation of the Regional Haze Rule

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Historical Background

- 1977 Clean Air Act amendment added 169A for protection of visibility in 156 Class I Areas
- 1990 CAA amendment Congress added section 169B to strengthen and reaffirm the national goal

Historical Background cont.

- In response to these mandates, EPA promulgated the regional haze rule (RHR) on July 1, 1999

Historical Background cont.

- RHR requires states to submit long-term strategy to achieve RPG for each Class I area
- States must consider major/minor sources in long-term strategies
- States and Tribes must submit SIPs that contain either emission limitations from BART or alt. measures greater than BART

Reasonable Progress Goal

- States must establish RPGs, measured in deciviews (dv), for each Class I area for the purpose of improving visibility on the haziest days and ensuring no degradation in visibility on the clearest days over the period of each implementation plan.

Four factors in determining reasonable progress

- Cost of compliance
- Time necessary for compliance
- Energy and non-air quality environmental impacts of compliance
- Remaining useful life of any potentially affected sources

Main Elements of RH SIPs

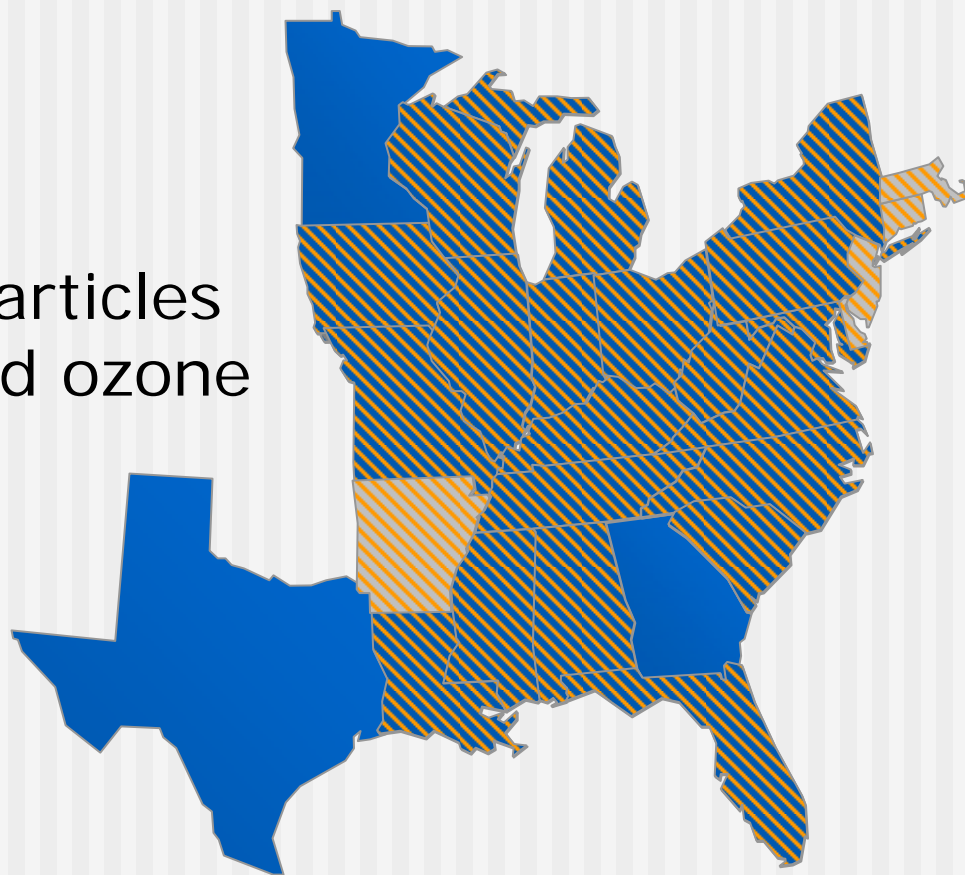
- The RPGs
- the long-term strategy
- BART (or alternative measures in lieu of BART)

CAIR States

■ Controlled for fine particles (annual SO₂ and NO_x)

▨ Controlled for both fine particles (annual SO₂ and NO_x) and ozone (ozone season NO_x)

▨ Controlled for ozone (ozone season NO_x)



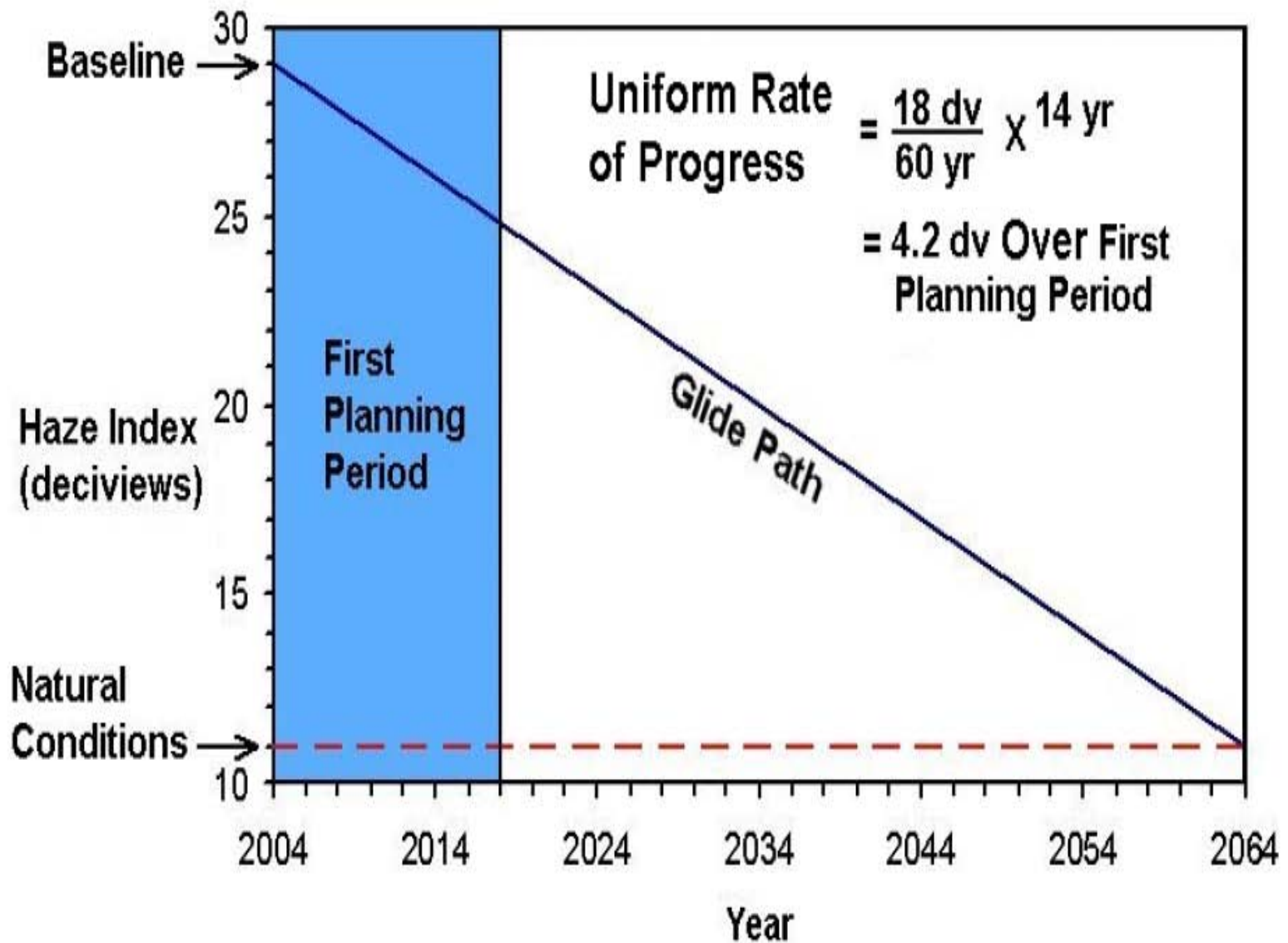
States that met CAIR SIP submittal deadline

- Alabama
- Iowa
- North Carolina
- Tennessee
- Texas
- West Virginia

RHR Requires

- Track progress toward National Goal
- Establish baseline conditions for Best and Worst Days for each Class I area
- Estimate natural conditions for each Class I area.

Uniform Rate of Progress



Establish a RPG

- Must consult with other States with emissions that cause or contribute to visibility impairment at Class I areas
- FLM may provide insight and assistance

Reasonable Progress Rule

- Applies to all sources and all visibility-impairing pollutants.

State responsibilities under RH Rule

- Submit State Implementation Plan – December 2007
- Establish baseline visibility and goals for improving visibility
- Improve visibility on 20% haziest days and protect visibility on 20% clearest days

State responsibilities under RH Rule cont.

- Develop long-term strategies for reducing emissions that cause haze
- Demonstrate reasonable progress by 2018

Reasonable Progress Goal for 2018

See Section (d)(1) of 40 CFR 51.308

- Establish baseline visibility (2000-2004)
- Estimate natural visibility conditions for 2064
- Estimate 2018 goal needed to ensure natural conditions attained by 2064
- Estimate emission reduction required to reach 2018 Goal

Long Term Strategy Requirements

Section (d)(3) of 40 CFR 51.308

- Required for each Class I area
- Must include enforceable emissions limits and compliance schedules
- Must achieve reasonable progress goal by 2018

Long Term Strategy Requirements

See Section (d)(3)(i-iii) & (i)(2) of 40 CFR 51.308

- States must consult with each other and FLMs
- States must document basis for its share of reductions
- Strategy must achieve reductions agreed to through RPO process

SIP Final Document must include

- Federally enforceable controls
- Timelines for controls
- Mid-course review
- Reasonable progress
- Long-term strategy
- Due December 17, 2007

Regional Haze Timeline

- 2000-2004 the baseline monitoring period
- 2004-2007 EI, modeling, BART analysis, data analysis, contribution assessment, other SIP planning work
- December 17, 2007 RH SIP due

Regional Haze Timeline cont.

- 2011-2013 BART specific controls go in place
- 2013 Reasonable progress report due and every 5 years there after
- 2016-2018 Emissions trading or alternative control measures must be complete

Regional Haze Timeline cont.

- 2018- New SIP due and every 10 years there after.

Questions?

