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# Wisconsin's Report on Ozone, PM2.5, Regional Haze and Mercury

*Regional Air Quality Workshop  
October 15 & 16, 2008*



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# Ozone



# 1997 Ozone Standard

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## ◆ VOC RACT Deficiencies

### ◆ CTGs

- Coating Operations – Flat Wood Paneling; Paper, Film and Foil; Large Appliance; Metal Furniture
- Printing – Lithographic and Letter Press; Flexible Package
- Industrial Solvent Cleaning

### ◆ Inadequate Negative Declarations

- SOCFI – Air Oxidation; Reactor Distillation
- Industrial Wastewater Treatment



# 1997 Ozone Standard

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## ◆ NO<sub>x</sub> RACT

- ◆ Submitted to EPA - June 2007
- ◆ EPA has yet to officially act on it.
- ◆ The current rule change addresses some minor EPA concerns and some clarifications to the state rule.

## ◆ Attainment Demonstration

- ◆ Okay despite CAIR vacatur.
- ◆ No additional controls are needed to demonstrate attainment.
- ◆ Need to address VOC RACT deficiencies.

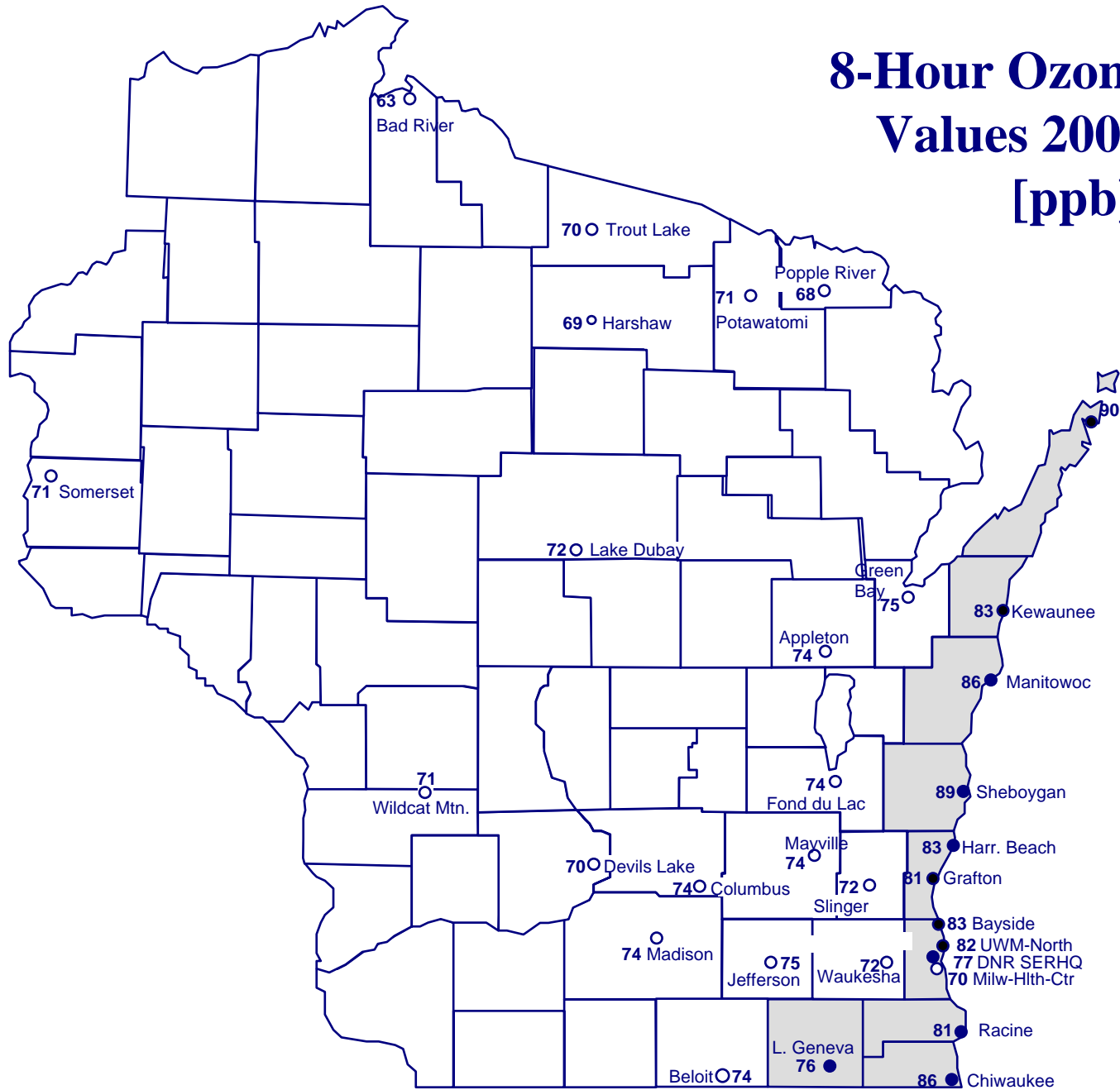


# 1997 Ozone Standard Schedule

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- ◆ VOC RACT Hearing Authorization – October and December 2008
- ◆ NO<sub>x</sub> RACT Hearing Authorization - October 2008
- ◆ NO<sub>x</sub> RACT and VOC RACT Board Adoption – Spring 2008
- ◆ Attainment SIP Submittal – Summer 2009

# 8-Hour Ozone Design Values 2005-2007 [ppb]







# 2008 Ozone Standard Schedule

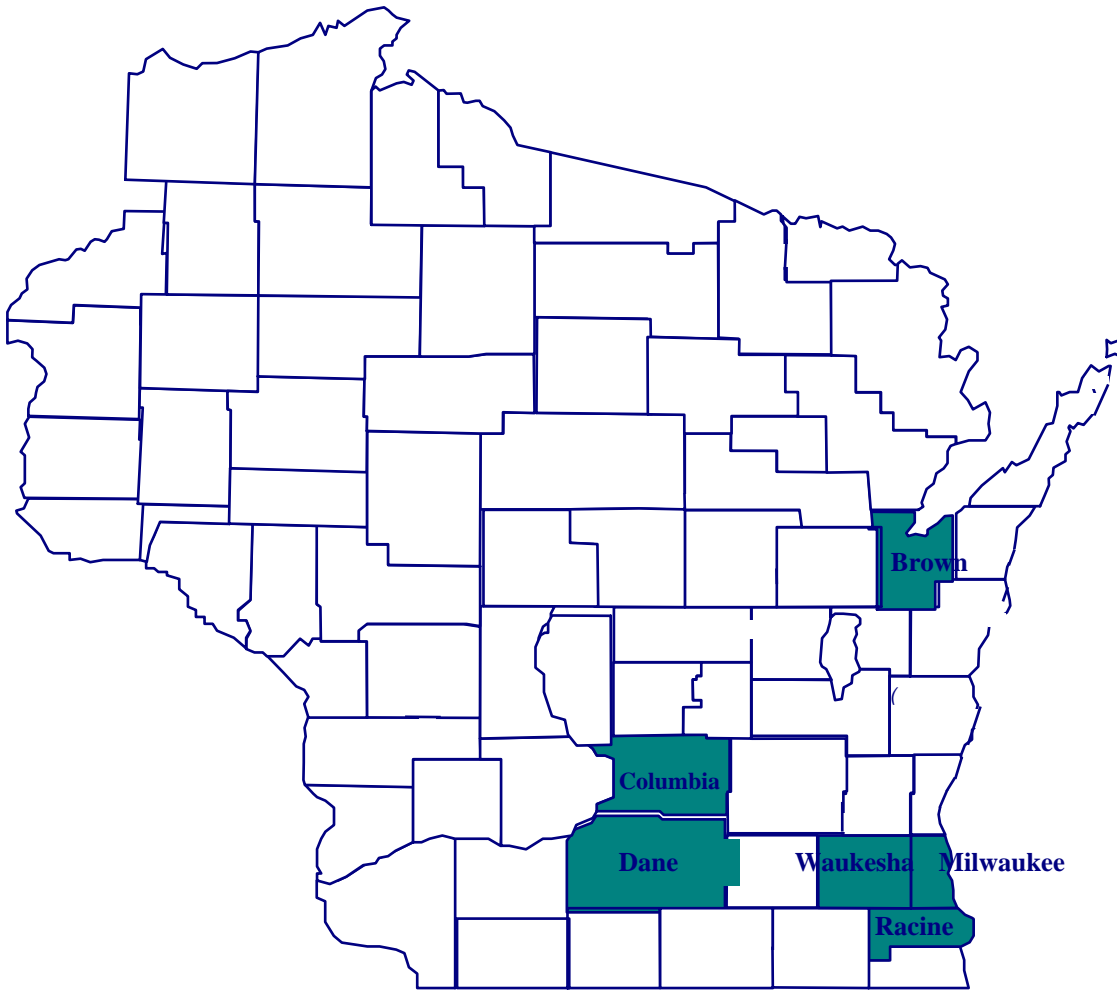
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- ◆ Nonattainment Designations – Spring 2010
- ◆ Attainment SIPs Due – Spring 2013
- ◆ Attainment Dates – Spring 2013 to Spring 2030



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PM2.5



**Proposed Nonattainment Areas For The  
24 Hr PM<sub>2.5</sub> National Ambient Air Quality Standard**

**Proposed by US EPA  
August 2008**

# 2008 Fine-Particle (24-Hour) Critical Values Update

## January 1, 2008 – July 31, 2008

Site	Critical Value (µg/m <sup>3</sup> )	Monitoring Frequency	# Days > C.V.
Green Bay East High	36.9	1/1	4
Madison University Avenue	35.8	1/1	3
Milwaukee 16th St.	25.2	1/3	3
Milwaukee SER	24.1	1/3	5
Milwaukee Virginia St.	24.5	1/3	2
Potosi	40.6	1/3	2
Waukesha – Cleveland	44.5	1/3	0



## PM2.5 Nonattainment Schedule

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- ◆ EPA Proposed Designation – August 19, 2008
- ◆ Deadline for State Comments – October 20, 2008
- ◆ Final Designations – December 18, 2008
- ◆ Deadline for Technical Amendment – February 2, 2009
- ◆ Effective Date for Designations – March 2009
- ◆ Attainment SIP Due – March 2012
- ◆ Attainment Date – March 2014



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# Visibility



# Visibility SIP

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## ◆ BART Affected Sources

- ◆ 2 Paper Mills
- ◆ 8 EGUs
- ◆ On-Going BART Assessments
- ◆ Considering a rule change to provide more compliance time system averaging

## ◆ Reasonable Progress

- ◆ CAIR Vacatur Creates Uncertainty
- ◆ Vermont and Minnesota “Asks”
- ◆ State Mercury Multi-Pollutant Rule



# Visibility Schedule

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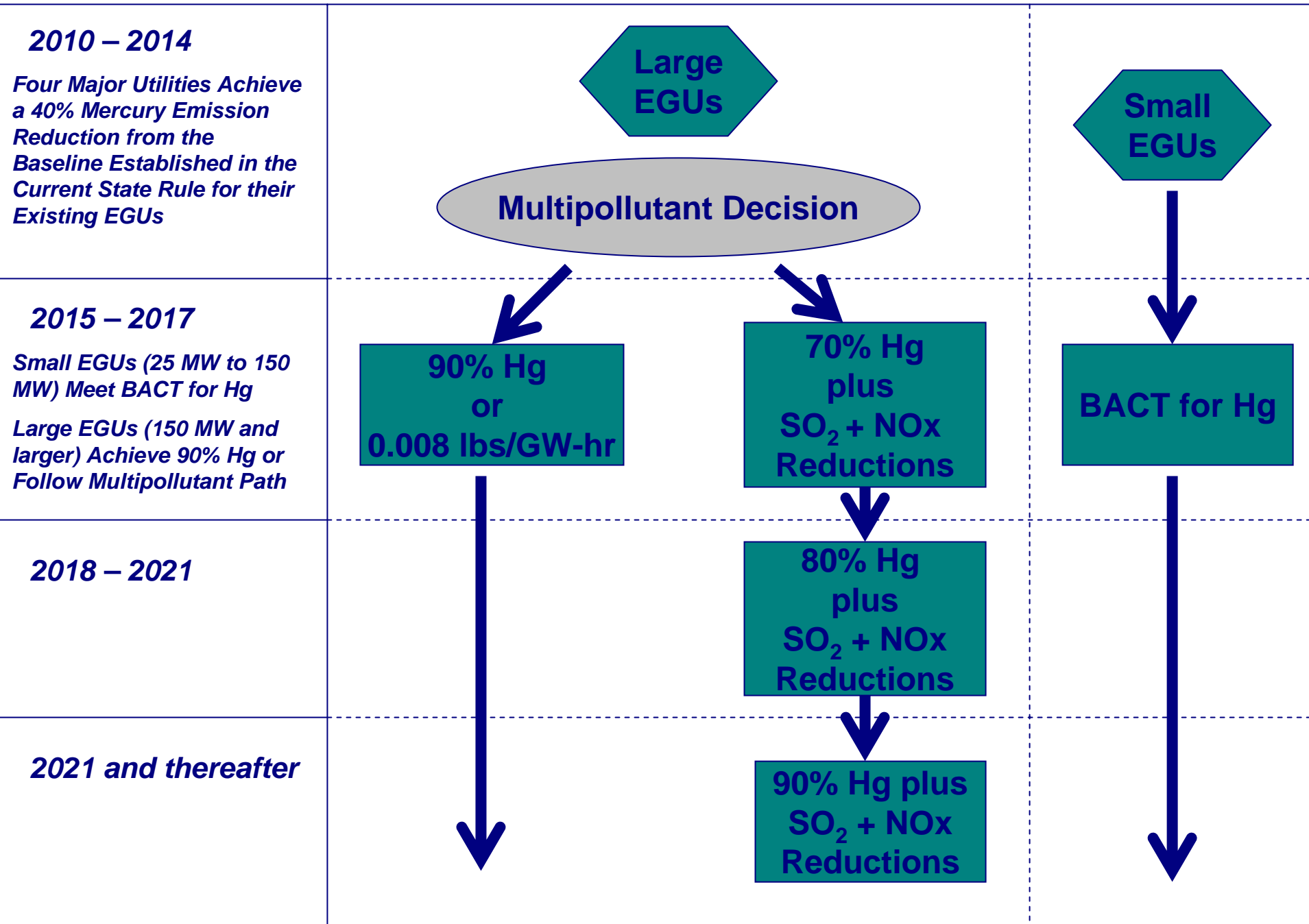
- ◆ BART Analyses Due Dates – January 2009 to March 2009
- ◆ BART Determinations – April 2009 to July 2009
- ◆ BART Determinations Submitted to EPA – Summer 2009
- ◆ Reasonably Progress SIP - ???



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# Mercury

# Wisconsin 90% Mercury Reduction Rule





# Mercury Schedule

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- ◆ Natural Resources Board Approved Final Rule – June 2008
- ◆ Rule Sent to Legislature – July 2008
- ◆ Rule Cleared Legislative Review - October 4, 2008
- ◆ Rule Becomes Effective – December 1, 2008

