

# Minnesota's Clean Air Dialogue (aka Ozone Advance)

CenSARA Fall Meeting  
October 2012



**Minnesota Pollution  
Control Agency**

# What is Mn CAD?

*MN CAD is a facilitated conversation amongst leaders in the business, government, and non-profit sectors to explore new opportunities for emissions reductions, lay the groundwork for future collaboration to improve air quality in Minnesota and respond to potential non-attainment designations.*

# Mn CAD Goals

**Build shared understanding of the challenges associated with potential nonattainment issues for PM<sub>2.5</sub> and Ozone**

**Build a common vision for what will be necessary to address these challenges**

**Develop strategies to implement identified actions, including resources and funding strategies to improve air quality**

**Final report with consensus recommendations for actionable clean air strategies**

# The Stakeholders

Facilitated by The Environmental Initiative

- \* MnDOT
- \* Dept. of Health
- \* Dept. of Ag
- \* City of Minneapolis
- \* Ramsey County (St. Paul)
- \* League of MN Cities
- \* Twin Cities Mayors Council
- \* MN Trucking Association
- \* Metropolitan Council
- \* Flint Hills Resources
- \* Xcel Energy
- \* MN Power
- \* Barr Engineering
- \* Wenck Associates
- \* St Paul Port Authority
- \* Hennepin County

# The Stakeholders Cont.

- \* Transit for Livable Communities
- \* Center for Environmental Advocacy
- \* Mille Lacs Band of Ojibway
- \* Environmental Justice Advocates
- \* Association of Minnesota Counties
- \* Minnesota Chamber of Commerce
- \* Fresh Energy
- \* American Lung Association

# Reduction Goal

10-20% Reduction in  
Ambient Concentration

Using Modeling to  
determine emission  
reductions required

Using BenMAP to estimate  
benefits



# The Process

Education

Break into Technical  
Workgroups

ID Possible Actions

Develop Proposals

Analysis

Final List of

Recommendation



# Technical Workgroups (TWGs)

- \* Point Sources
- \* Area Sources
- \* Transportation and Land-Use Planning
- \* Diesel
- \* Wood smoke
- \* Energy Efficiency



# TWG Options Under Review

## Point Sources

- \* Documenting emission reductions already in the pipeline
- \* Emergency generators
- \* Air alert system use

## Area Source

- \* Bans on high VOC products and chemicals
- \* Ban on coal tar sealants
- \* Technical assistance to minority owned businesses
- \* BMPs for landscaping
- \* Controls on restaurant grills

# Options Cont.

## Transportation and Land Use Planning

- \* Voluntary vehicle repair and retirement
- \* Alternative fuels
- \* Expand commuter choice programs
- \* Expand transit service
- \* Land use and zoning changes

## Diesel

- \* More funding for retrofits
- \* APUs
- \* Anti-idling

# Options Cont.

## Wood Smoke

- \* Burning bans
- \* Burning bans during alters
- \* Standards for OWBs
- \* Model ordinances

## Energy Efficiency

- \* Expand distributed renewable generation
- \* Incentives for combined heat and power
- \* Expand commercial/industrial loan program
- \* Energy management training for building operators

# Overarching Considerations

- \* Cost effectiveness
- \* Funding
- \* Short-term and long-term actions
- \* Multipollutant
- \* Actions that can be targeted to disadvantaged areas



# Questions?

