


NAAQS – Minnesota’s Predicament and Considerations for a Stakeholder Approach

Conference on the Environment
MN-CSWEA and A & WMA Upper
Midwest
November 9, 2011



I have an agenda.

- EI
- NAAQS and Minnesota
- History and 20/20 Vision for the Future
- Some related issues



Environmental Initiative

- Nonpartisan, no lobbying, no advocacy
- Mission: Build partnerships to develop collaborative solutions to Minnesota’s environmental problems.
- Environmental solutions in three areas of work:
 - Events
 - Dialogue
 - Action



Environmental INITIATIVE
Powerful Partnerships. Effective Solutions

Dialogue

We facilitate conversations with private and public-sector leaders to achieve policy and other environmental solutions for a cleaner, stronger Minnesota.



Environmental INITIATIVE
Powerful Partnerships. Effective Solutions


Action


- Project Green Fleet
 - Over 3,000 cleaner engines operating statewide
 - Average of 23 tons of particulate matter reduced annually
- Other Action Projects
 - Autobody Refinishing Industry Project
 - Habitat for Humanity Green Demonstration House



Environmental INITIATIVE
Powerful Partnerships. Effective Solutions

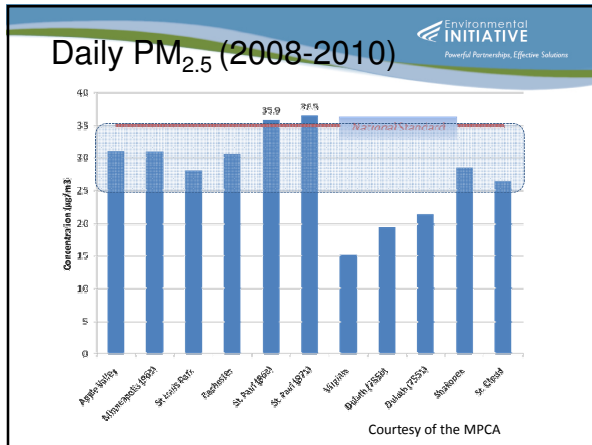
It's like déjà vu all over again

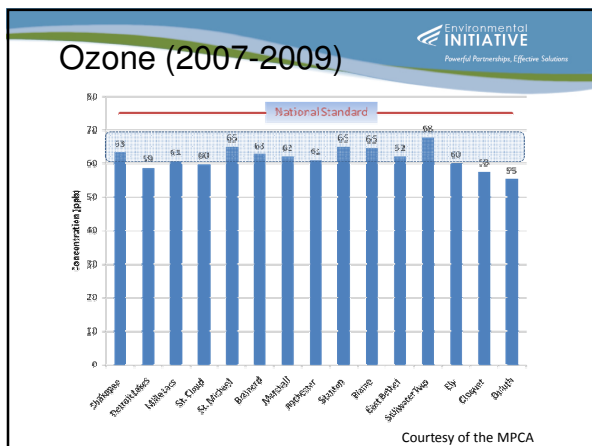




 Powerful Partnerships. Effective Solutions.

On the Horizon

- Federal standards & lawsuits
- Flex Programs?
- State and local clean diesel requirements
 - Chicago and Cook County
 - Minneapolis








History and a vision for the future

- Partners and Environmental Initiative
- Clean Air Minnesota
- Dialogue





Our Approach

As a neutral convener and facilitator on environmental issues, we strive for a balance of voices and equal power among project participants.

Environmental Initiative dialogue projects typically have:

- Experienced, trained facilitators
- Tangible goals, or outcomes
- Established ground rules, agreed upon by project participants
- Transparency and openness
- Opportunities for group learning





Dialogue Outcomes


- Helped shape legislation resulting in the Clean Water Legacy Act
- A state plan to reduce mercury air emissions by 2,600 lbs per year below current levels
- 38 strategies to reduce 47.2 million metric tons of carbon dioxide by 2025 from the state's solid waste sector
- Identified strategies for Minnesota to meet the mandated 1.5% annual energy efficiency savings goal



Current Dialogue Projects


Agricultural Leadership Dialogue
Informal dialogue with leaders from agriculture, environmental nonprofits and government to identify new opportunities to address land management and water quality challenges in agriculture.

Minnesota Chemical Regulation and Policy
Public and private sector leaders working together to recommend improvements to existing chemical regulation, management and policy.




Clean Air Minnesota

A voluntary partnership of businesses, environmental groups, government agencies, and citizens working together to achieve significant, measurable reductions in air pollution.



Drivers for action

- Consequences of violating federal ozone standard
- Potential risks from PM_{2.5}
 - Monitors added to more locations around state
- Minnesota Chamber of Commerce
 - violation of federal ozone standard could cost businesses and consumers \$189 - \$266 million per year



Clean Air Minnesota

- Not the usual suspects; strange bedfellows: environmental, health groups, state regulators and industry not usually on same side
- Multiple efforts and approaches
- Focus on interests not positions
- Trust-building key to making group work
- Shared common goal of emission reductions
- Consensus-driven by committed individuals supporting a collaborative process



Clean Air Minnesota and Project Green Fleet





Action



- Project Green Fleet
- 9 EPA grants since 2006 for ~\$5.3M
 - Leveraged/matched with ~\$4.2M in local, state, private funds
- State and national awards
- ~2900 school buses statewide
- >410 heavy-duty diesel engines
- Multiple technologies
 - Retrofits
 - Repowers
 - new purchases




Environmental INITIATIVE
Powerful Partnerships. Effective Solutions.

Similar, but different.

- Partners – corporate, government (federal, state, local), and other nonprofits
- Project-based focus; leverage resources and skills
- Educate, motivate, engage
- Regulation
- Smokestack to tailpipe
- Rules and lifestyle choices

Environmental INITIATIVE
Powerful Partnerships. Effective Solutions.

Measuring Impacts and Accountability

```
graph LR; A[Voluntary, Regulatory or Policy Changes] --> B[Reductions in Population Exposures]; B --> C[Reductions in Adverse Health Outcomes];
```

Voluntary, Regulatory or Policy Changes

Reductions in Population Exposures

- Particulate matter (PM)
- PM_{2.5} species
- Ozone

Reductions in Adverse Health Outcomes

- Asthma
- Chronic lower respiratory disease
- Cardiovascular disease
- Hospitalizations and Deaths

Courtesy of the MDOH

Environmental INITIATIVE
Powerful Partnerships. Effective Solutions.

Multiple forces

- MN Sources of air pollution
- CAA and NAAQS
- Nonattainment and costs
- State Implementation Plan
- EJ 2014





Bill Droessler
211 First Street North, Suite 250
Minneapolis, MN 55401
612.334.3388 ext. 103 (p)
612.334.3093 (f)
www.environmental-initiative.org