

Clean Air Minnesota

A voluntary public-private partnership to reduce air pollution

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Transportation Advisory Board

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We **build partnerships** to develop collaborative solutions to Minnesota's environmental problems.

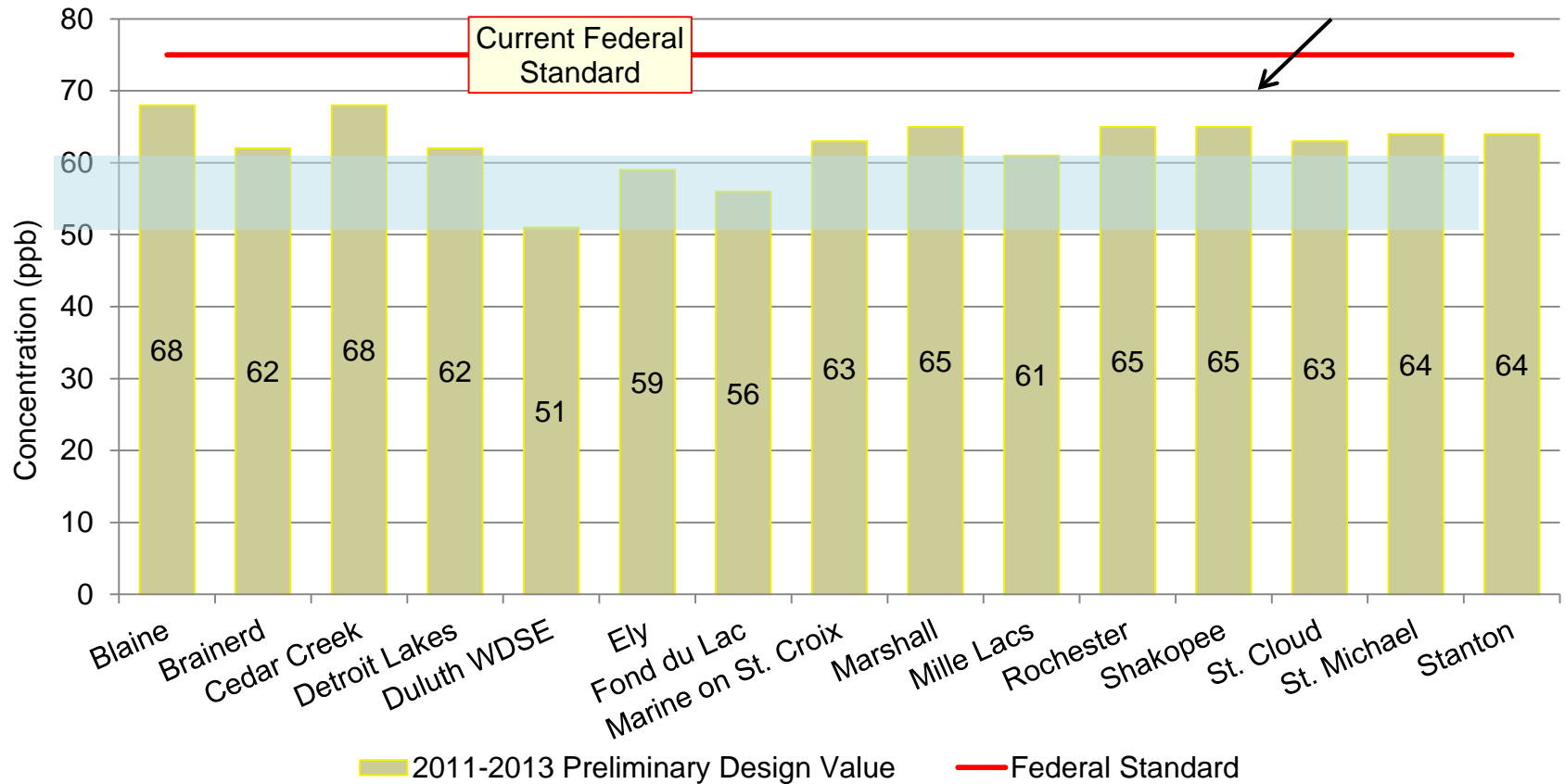
Clean Air Minnesota is a
diverse group of leaders
working to develop, fund, and
implement voluntary projects that
reduce air pollution.



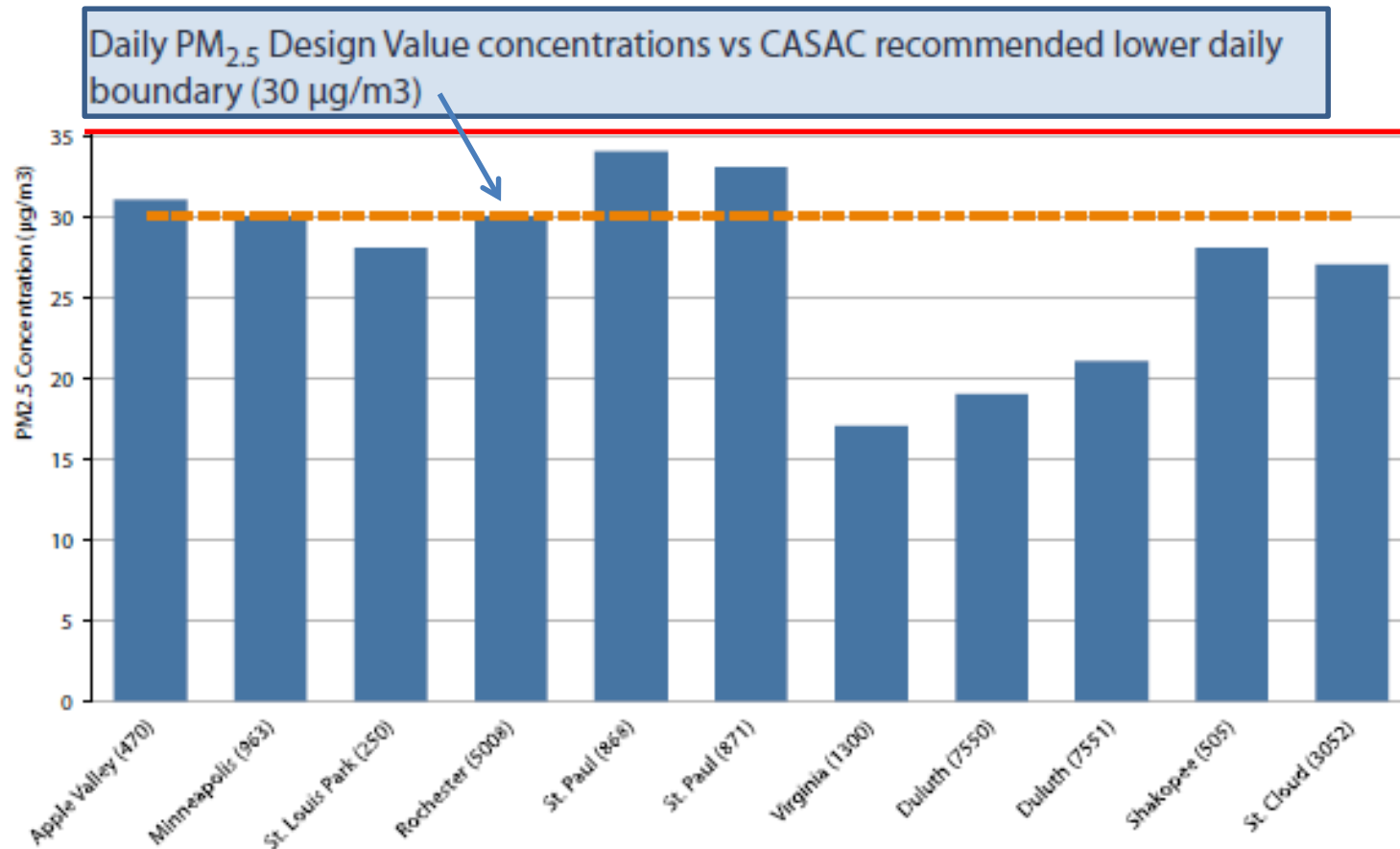
Air quality in Minnesota is improving, but health-based federal standards **are becoming more stringent.**

Federal Air Quality Standards: Ozone

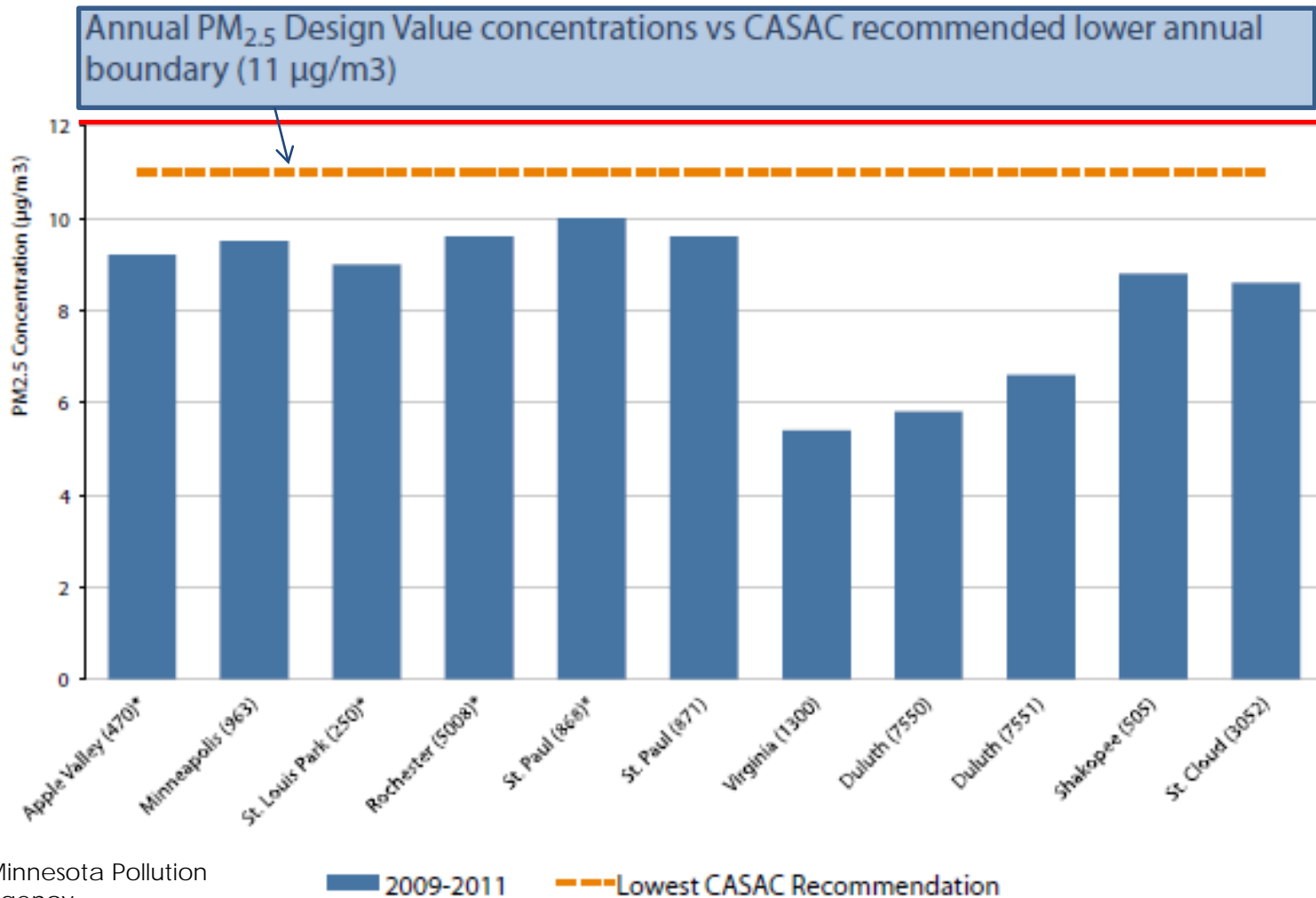
**EPA revised standard:
70ppb**




Federal Air Quality Standards: PM 2.5 (Daily)



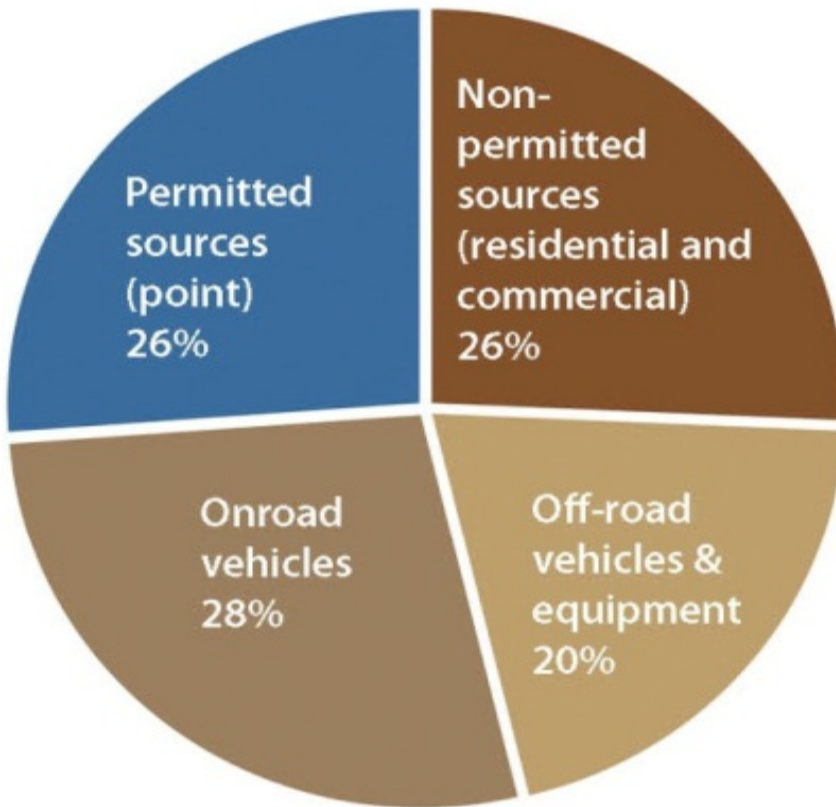
Federal Air Quality Standards: PM 2.5 (Annual)





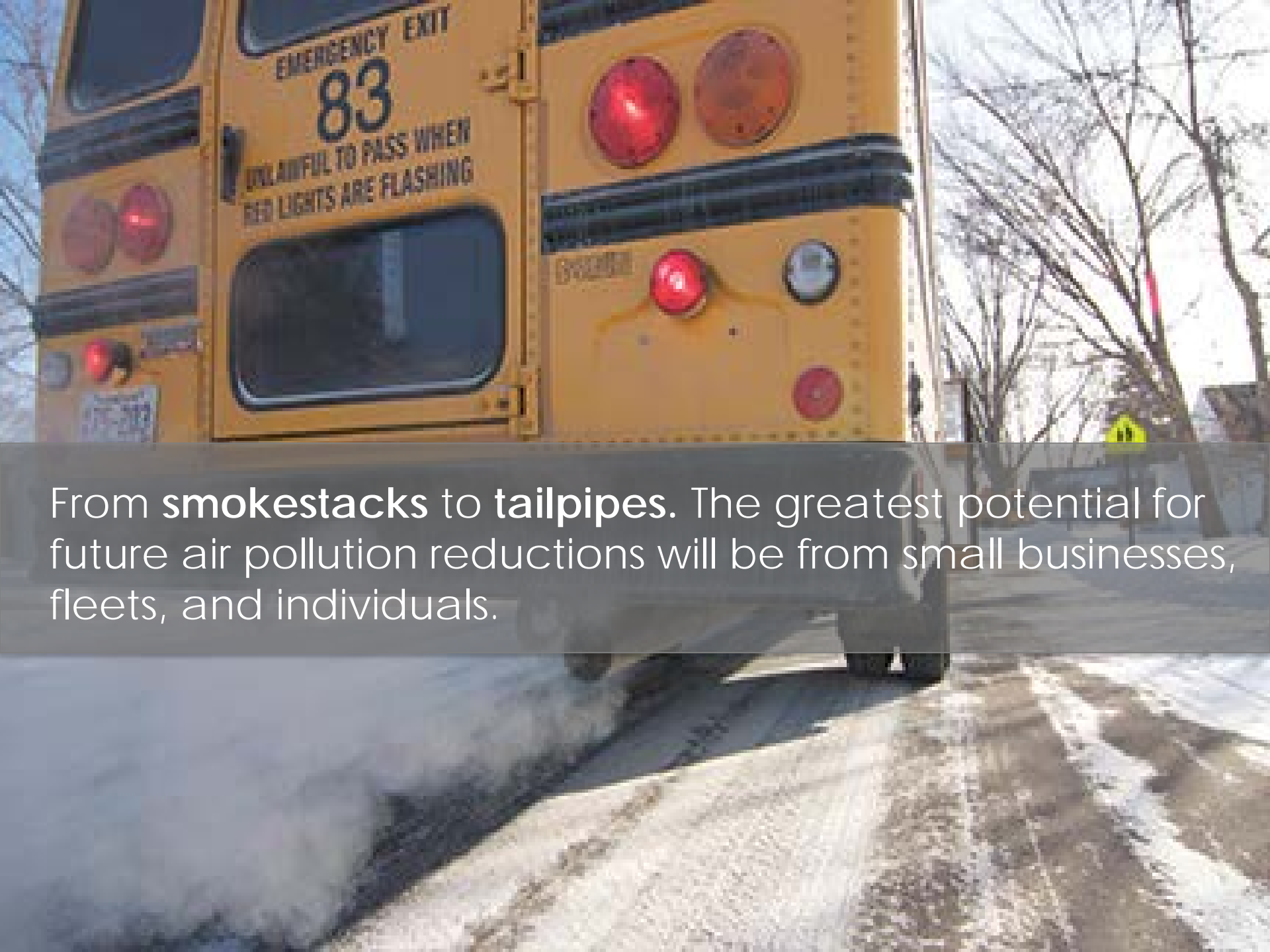
Clean Air Minnesota members have committed to reducing fine particulate matter (PM 2.5) and ozone precursor **emissions by 10%** from 2008 levels.

Emissions Inventory Breakdown



Point sources are becoming a smaller part of the air quality problems in Minnesota.

MN 2008 Emissions Inventory: NO_x , SO_2 , $PM_{2.5}$, VOCs



From **smokestacks** to **tailpipes**. The greatest potential for future air pollution reductions will be from small businesses, fleets, and individuals.

Project Green Fleet



What We've Done

We can **reduce pollution** with cost-effective technology.



The pollution reduced is the equivalent of removing **750,000 cars** from the road.



4,668 vehicles in Minnesota have voluntarily been cleaned up.

3,284
school buses 

1,304
trucks 

46
construction 

30
fire engines 

2
locomotives 

2
boats 

What's Next?



42 tons of particle pollution has been reduced annually, but to keep our air clean we need to **double our efforts.**

Help us keep Minnesota's air clean and reduce pollution from at least **100 more construction** vehicles and equipment.



Become a sponsor of Project Green Fleet at www.projectgreenfleet.org.

Share this Message



Environmental **INITIATIVE**

Minnesota Pollution Control Agency



Heavy-Duty Diesel Engines

- >1400 engines cleaned up
- Construction
- Trains
- Boats
- Clean Diesel Construction Provisions



All Eligible School Buses

- >3200 school buses retrofit throughout Minnesota
- First in the country? (for attainment states)
- Public/Private partnership and funding
- Unique business model for Minnesota
- Leadership of MPCA



The *Becky Sue*

- Towboat operated by Upper River Services in Saint Paul
- Unregulated engines to tier 4
- >20,000 lbs. of emissions reduced annually
- Like taking 12,000 cars off the road



Questions?

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<http://www.environmental-initiative.org/our-work/clean-air/clean-air-minnesota>