

Clean Air Minnesota

a public-private partnership

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Environmental Initiative

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



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

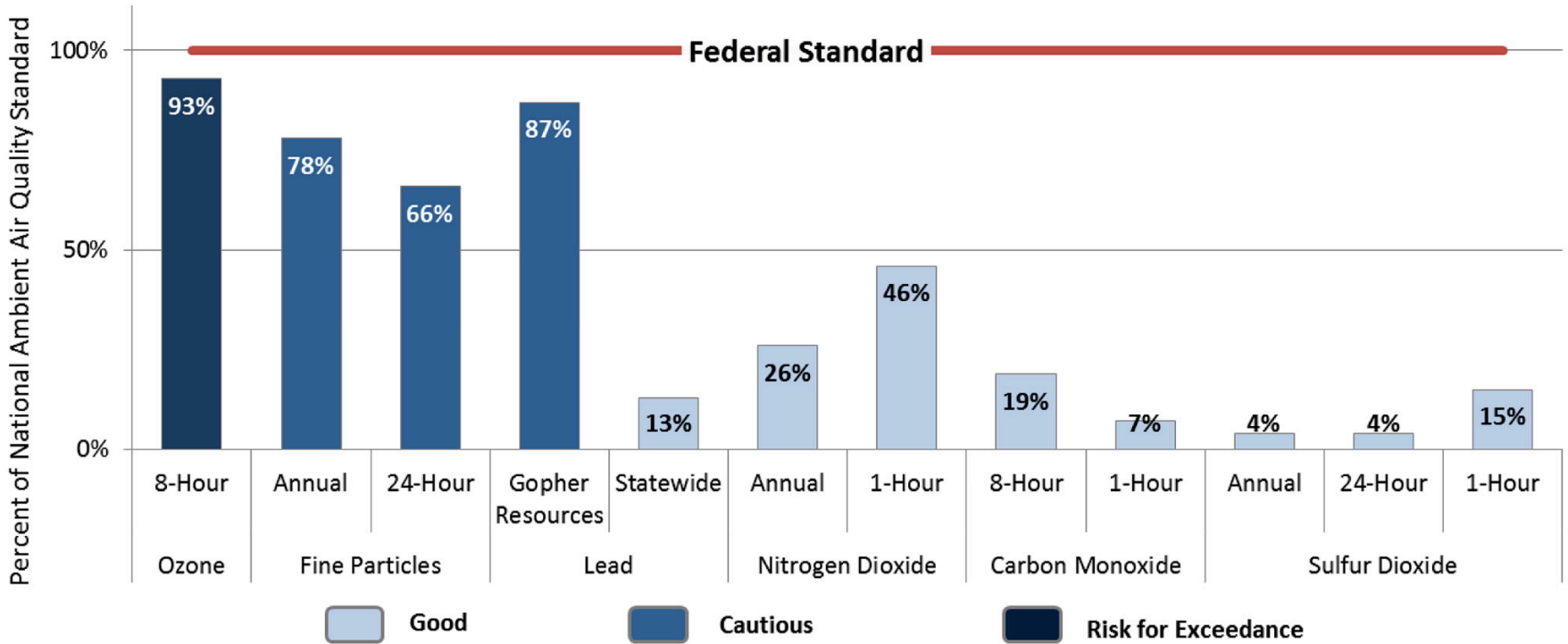
Drivers: Why Act Now?



Consequences of violating federal ozone standard:

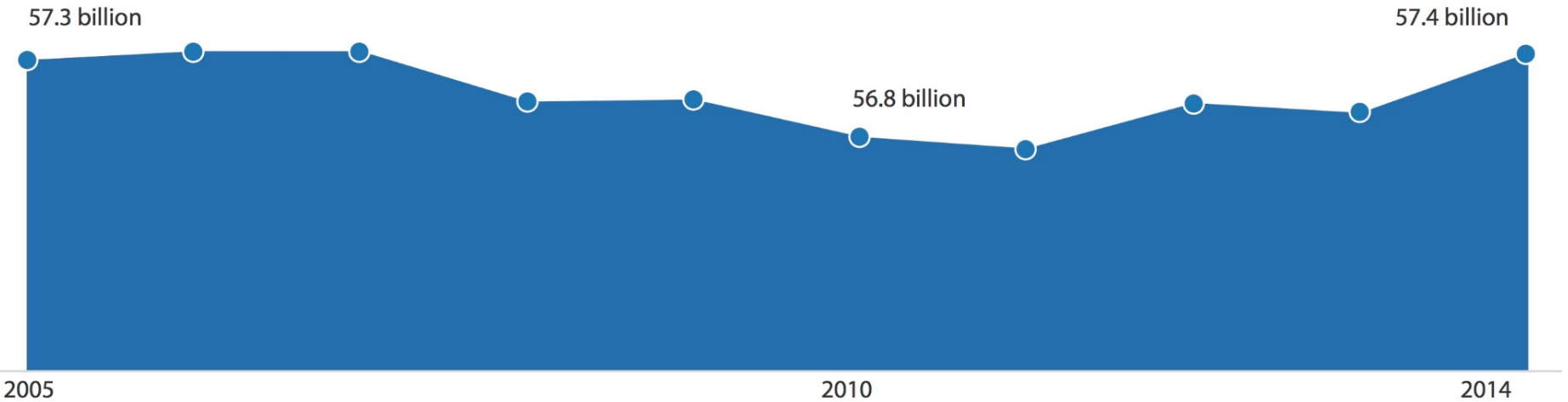
- Health and environmental risks from soot and smog
- Economic costs and competitiveness
 - \$189 - \$266 million annually
 - Does not include costs of regulatory processes and developing, enacting, and enforcing a compliance plan

Federal standards



Minnesota Pollution Control Agency

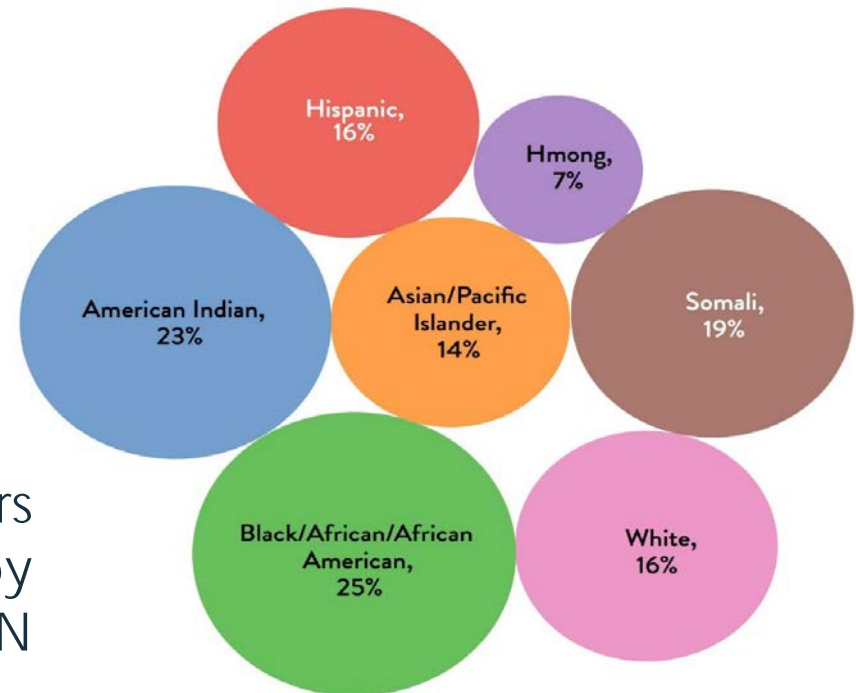
Vehicle miles traveled



Minnesota Pollution
Control Agency

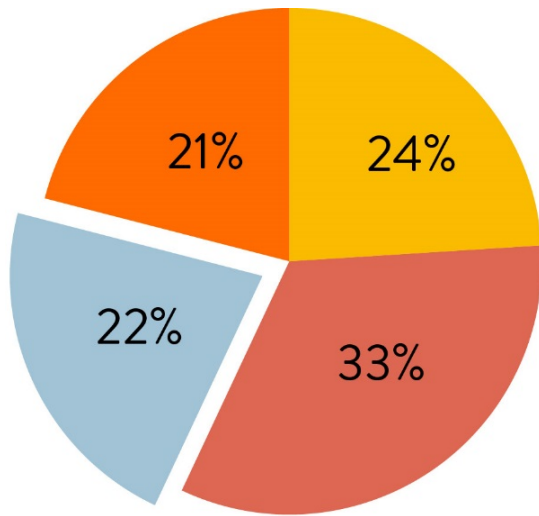
Environmental justice

- Inequities in exposure and health outcomes for some groups
 - People of lower income
 - People of color



Percentage of 8th graders diagnosed with asthma by race/ethnicity in MN

Overall air pollution by type



- On-road vehicles 24%
Cars, trucks
- Non-permitted sources 33%
Small businesses, heating, woodsmoke
- Off-road vehicles and equipment 21%
Construction and agricultural
- Permitted sources 22%
Power plants, factories

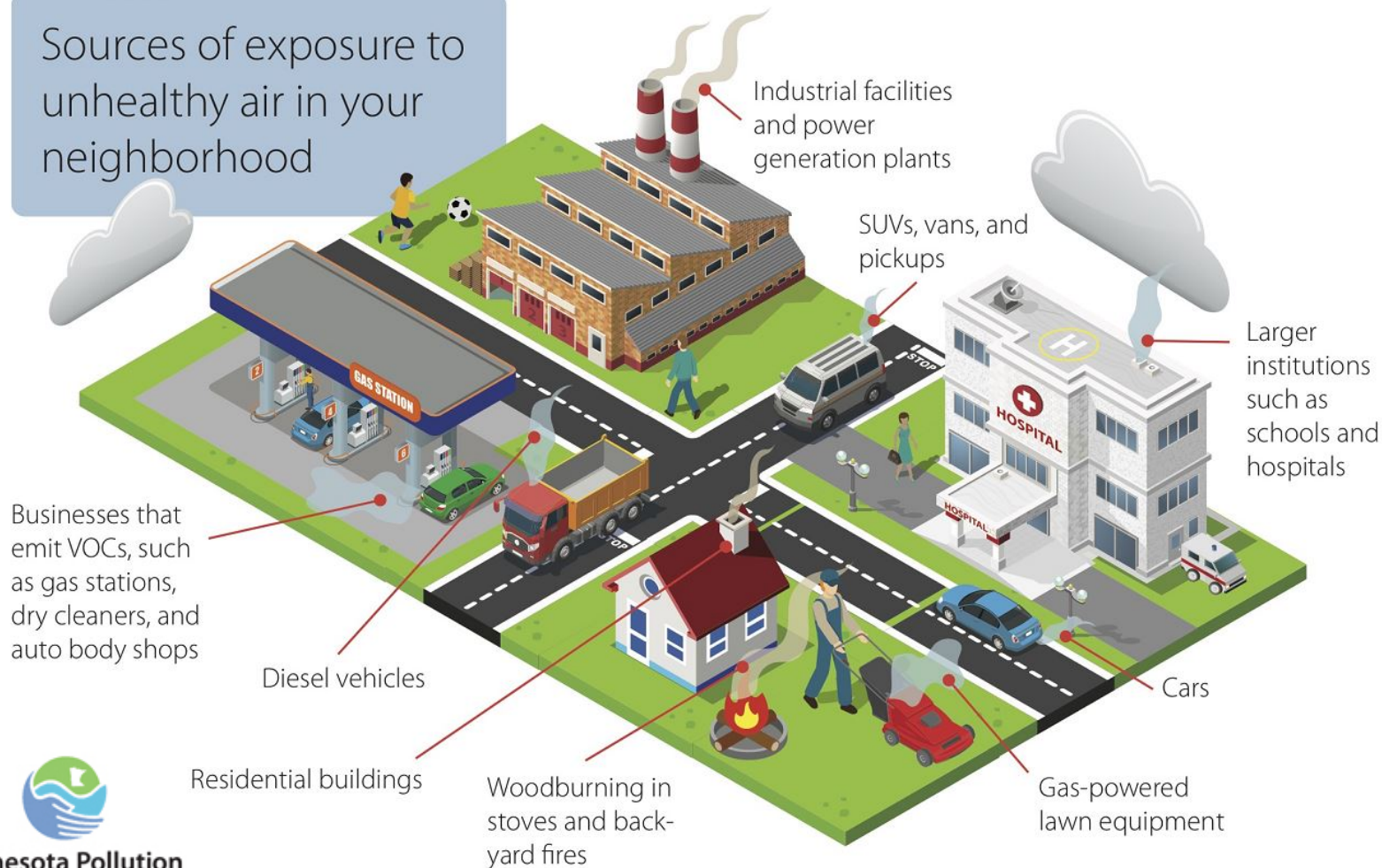
Small and widespread sources are the largest portion of overall air pollution emissions in Minnesota



Minnesota Pollution
Control Agency

How are we exposed to air pollution?

Sources of exposure to unhealthy air in your neighborhood



Clean Air Minnesota



- Voluntary
- Consensus driven – adverbs and adjectives matter
- Collaborative process
- Good for you, good for me
- Immediate and deferred results
- Emphasis on measurement
- Unlikely allies – co-chairs:
 - MN Chamber of Commerce
 - MN Center for Environmental Advocacy

Themes

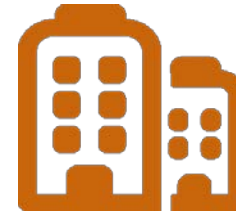


- Partnerships
- Rules of Engagement – 3 simple rules
- Opportunistic, but keep line of sight
- Creative, but don't reinvent the wheel
- Ownership, but sometimes not proprietary interests
- Health, equity, environmental benefits

Clean Air Minnesota Project Teams



- Workplans
 - Goals & milestones
 - Emission & exposure reductions
 - Evaluation
- Communications expertise for teams
- Coordinated by Environmental Initiative



**Area Sources
– Small
Businesses**

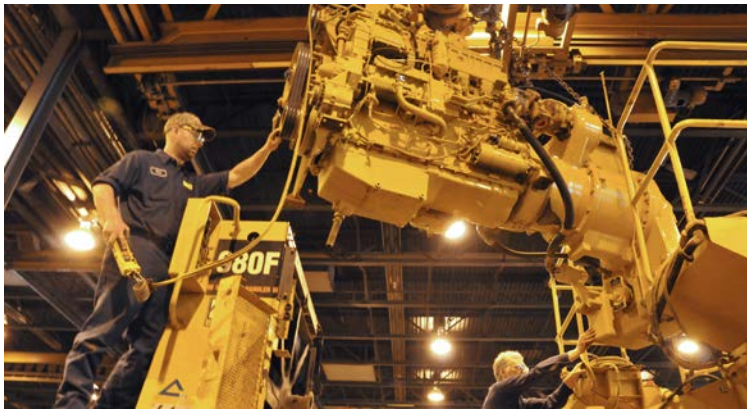


**Mobile
Sources -
Diesel**



**Wood
Smoke**

Success at Scale: Project Green Fleet



PROJECT STOVE

SWAP

Scaling Up: Project Stove Swap



Save
Money



Increase
Safety



Breathe
Easy



Clean Air Assistance Project



Clean Air Minnesota Partners



- 3M
- American Lung Association
- Barr Engineering
- City of Minneapolis
- City of Saint Paul
- Flint Hills Resources
- HealthPartners
- Hennepin County
- Metropolitan Council
- Mille Lacs Band of Ojibwe
- Minnesota Center for Environmental Advocacy
- Minnesota Power
- Minnesota Chamber of Commerce
- Minnesota Department of Commerce
- Minnesota Department of Health
- Minnesota Department of Transportation
- Minnesota Pollution Control Agency
- Minnesota Technical Assistance Program
- Ramsey County
- Sierra Club
- University of Minnesota – School of Public Health
- Washington County
- Xcel Energy



Roles

- Environmental Initiative
- Agencies
- Private partners
- Leadership
- Work to strengths
- Common goals; shared responsibilities

Opportunities



- Connections – open doors; make introductions
- Communications
- Emission reductions
 - Facilities
 - Mobile sources
 - VW
 - DERA
 - Funding assistance; mutual "asks"



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