

Volkswagen Settlement in Minnesota

Transportation Advisory Board

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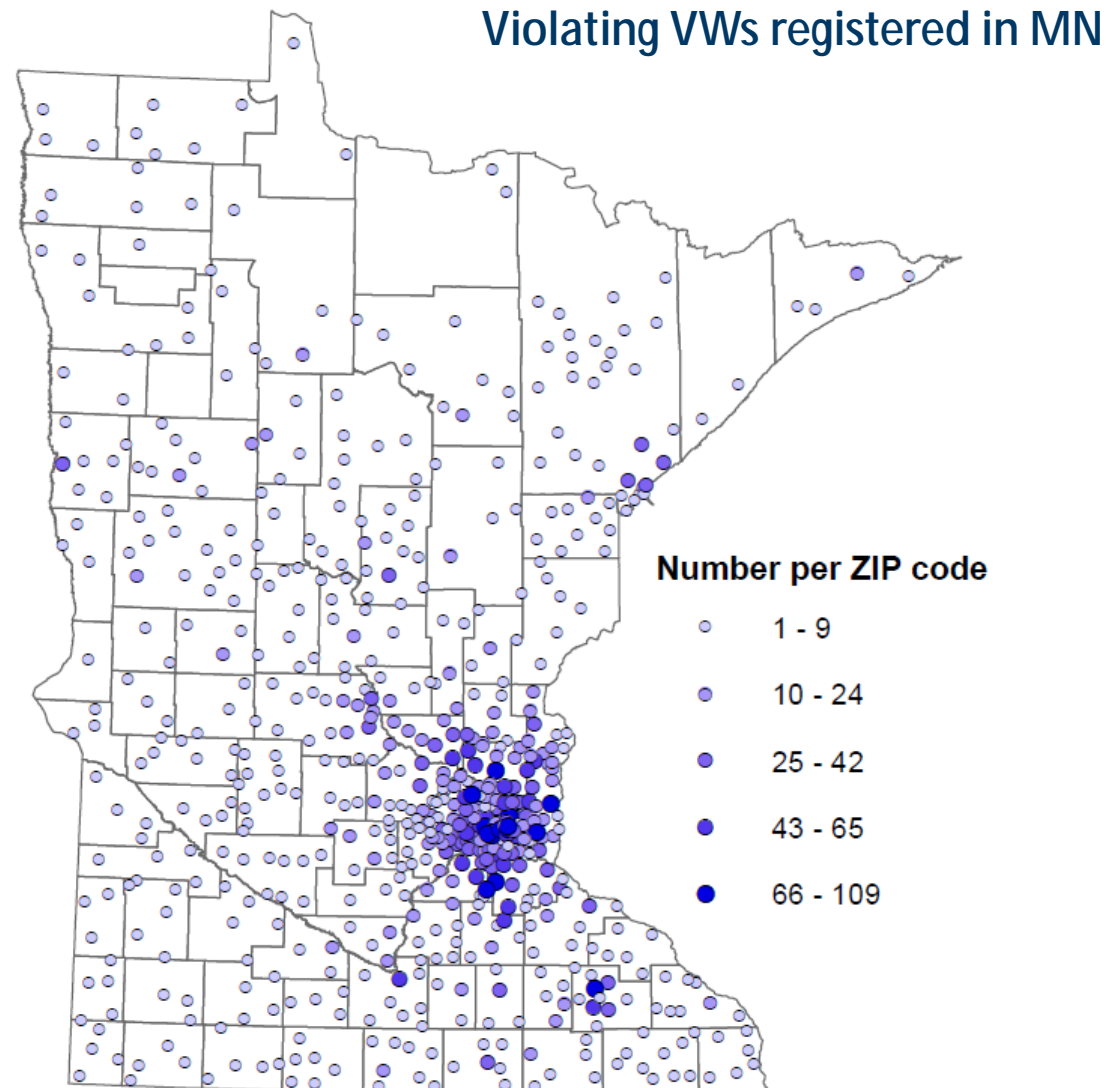
January 17, 2018

- Background
- Developing the program
- Next steps
- What we've heard so far
- Discussion



What was the violation?

- Volkswagen intentionally tampered with diesel emission controls
- VWs exceeded the legal limit for nitrogen oxides (NOx) 30x to 40x
- 580,000 cars nationwide
- 9,300 cars in MN
- 600 tons excess NOx in MN



\$47 million over 10 years

Funds can only be used for 2 things:

1. Take an old diesel vehicle/engine off the road and replace it with a new vehicle/engine
2. Electric vehicle (EV) charging stations

Goal is NOx clean up



Advances in technology

One old truck can pollute more than 30 new diesel trucks

Depending on factors such as the age of the truck, how far it travels, and how much it idles, one old diesel truck can produce as much particle pollution as 25-50 modern trucks under the same operating conditions.



vs.



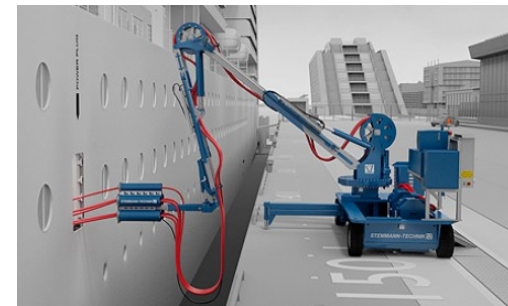
1992-2009 Class 4-8 diesel trucks and buses

Class 4 - 14,001 to 16,000 lbs
  
Large Walk-in Box Truck City Delivery
Class 5 - 16,001 to 19,500 lbs
  
Bucket Truck Large Walk-in City Delivery
Class 6 - 19,501 to 26,000 lbs
   
Beverage Truck Single-Axle School Bus Rack Truck
Class 7 - 26,001 to 33,000 lbs
   
Refuse Furniture City Transit Bus Truck Tractor
Class 8 - 33,001 lbs & Over
   
Cement Truck Truck Tractor Dump Truck Sleeper



Other categories

- Switcher locomotives
- Ferries and tugs
- Ocean-going vessel shore power
- Airport ground support equipment
- Forklifts and port cargo handling equipment
- Construction equipment through Diesel Emissions Reduction Act



Light-duty electric vehicle charging stations

- Up to 15% of total funds
- Eligible projects:
 - Highway corridors and other public places
 - Apartment and condo buildings (multi-unit dwellings)
 - Workplaces



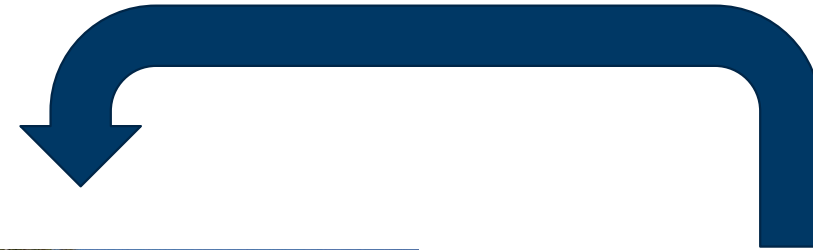
Who pays?

\$



VW funds via the MPCA

In most cases, up to
25% of the total cost



\$

Vehicle owner funds

In most cases, at least
75% of the total cost

Beneficiary Mitigation Plan (BMP)

- Overall goals for the program
- Priorities for eligible technologies
- Environmental justice considerations
- Estimated emissions benefits

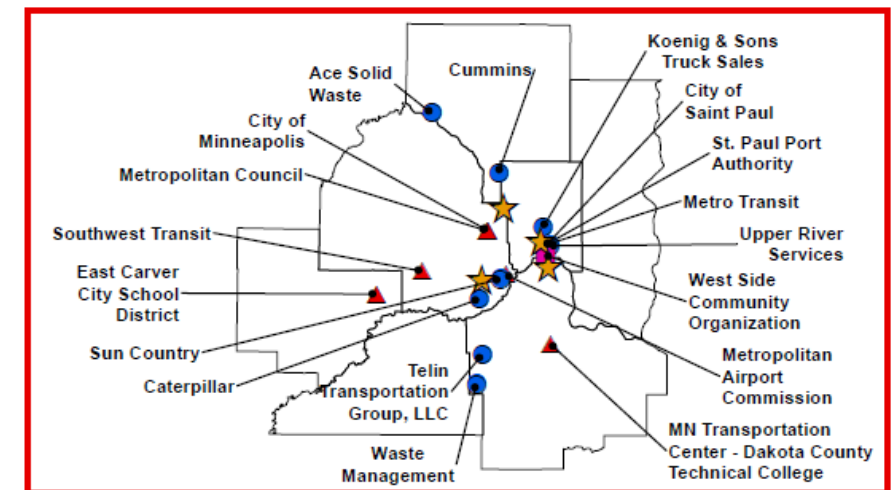
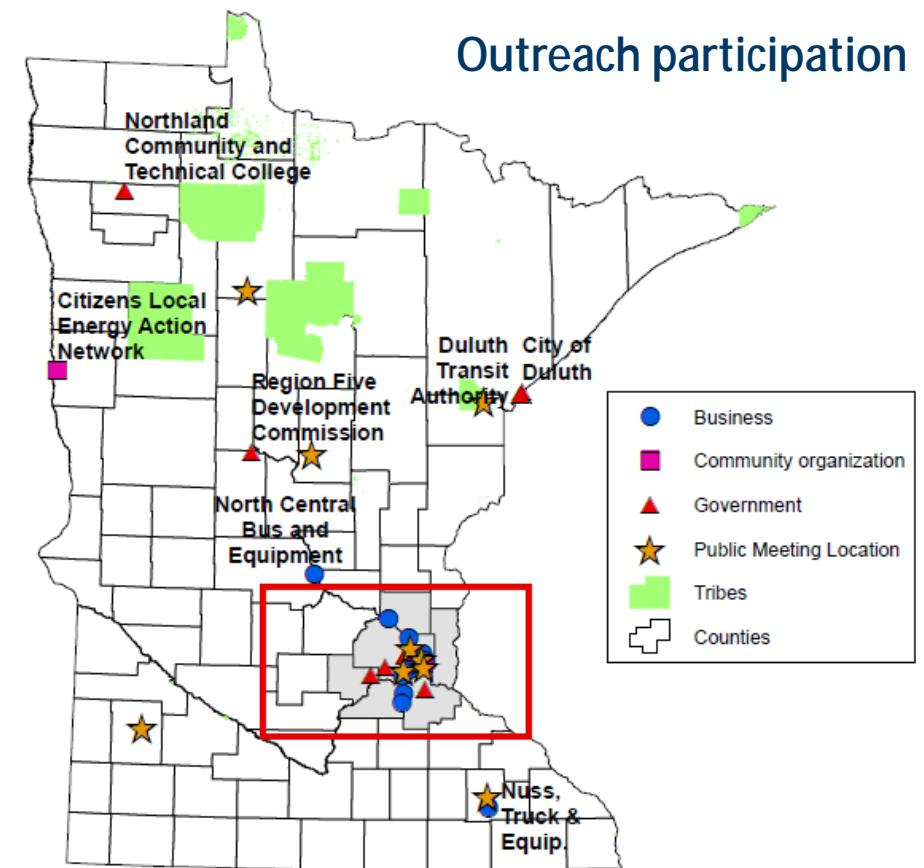


Hearing from Minnesotans

- 9 public meetings
- 4 stakeholder meetings
- 274 comment letters
- 2 web surveys (approx. 800 responses)
- Data request
- Tribal engagement
- Input from MPCA's Environmental Justice Advisory Group
- Input from MN Department of Health and other state agencies

January 17, 2018

Outreach participation



Estimated timeline

Public Input

Draft Plan: Winter 2017-2018

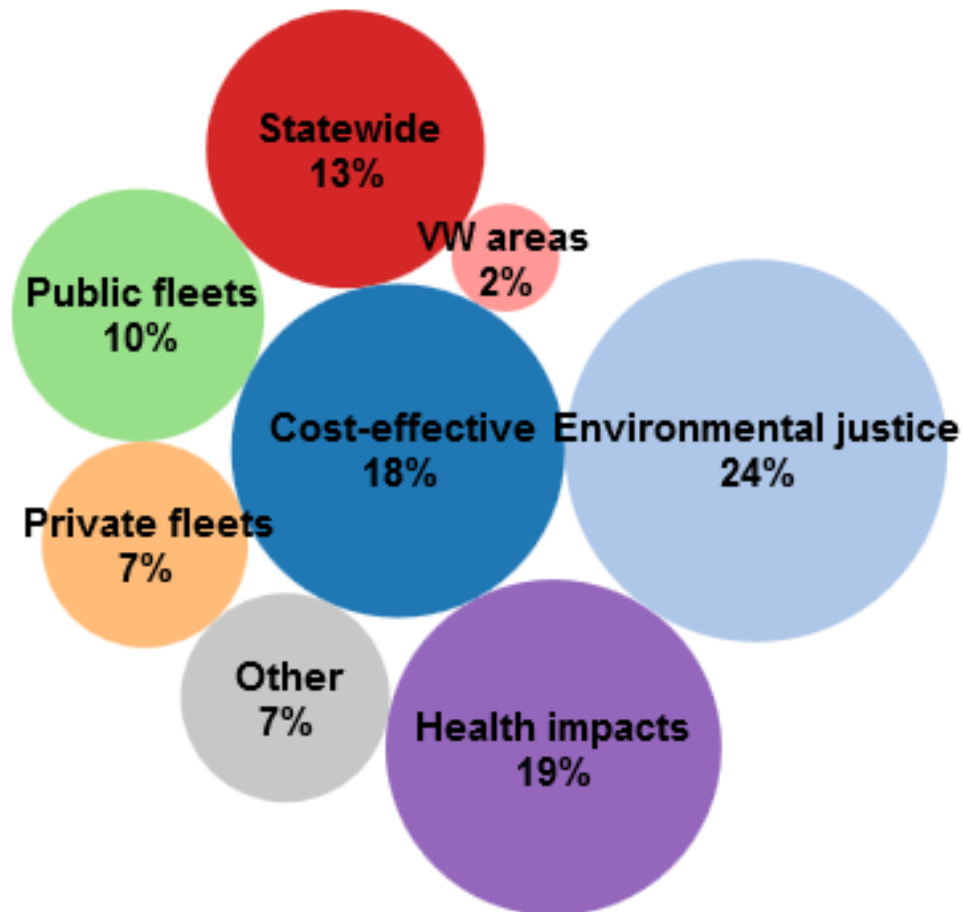
Plan Submittal: Spring 2018

Request for Proposals publication:
Summer 2018

Project Evaluation and Selection: Fall 2018

Late 2018: First round of grants awarded?

Most important factors from listening sessions



Where the meetings took place

- (All)
- Bemidji
- Brainerd
- Cloquet
- Marshall
- Minneapolis
- North Minneapolis
- Online Survey Responses
- Rochester
- St Paul
- West St. Paul

Total Votes	Estimated participants
1,463	488

Themes from public comments

- Support electrification and electric vehicles
- Support the use of alternative fuels, such as propane and natural gas
- Support environmental justice and human health



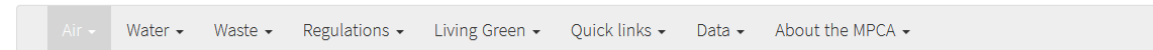
Themes from public meetings

- Include all parts of the state
- Make it easy to apply for funds
- Consider advantages of alternative fuels
- Develop a fast electric vehicle charging network across the state



- Information on the settlement
- Opportunities to provide input
- Surveys
- Meeting and event information
- Meeting content and notes
- Data
- Summaries of comments and other input

www.pca.state.mn.us/VW



[Air](#) / [How's the air?](#) / [Air pollutants and sources](#) / [Sources of air pollution](#) / [Vehicles and heavy-duty equipment](#)

Volkswagen settlement

Volkswagen has agreed to settle allegations that it violated the federal [Clean Air Act](#) by selling vehicles that emit air pollution over the legal limit, and by cheating on federal emission tests to hide the excess pollution. The affected vehicles exceed federal emission limits for nitrogen oxide (NOx), a pollutant that harms public health and contributes to ozone or smog formation.

As part of the settlement, states are eligible to receive funds to pay part of the cost of projects to reduce diesel emissions from vehicles and to install electric vehicle infrastructure. The MPCA is developing Minnesota's plan for using these funds to improve air quality in our state.

In this section:

[Volkswagen settlement 101](#)

[Volkswagen public input](#)

[Volkswagen settlement data](#)



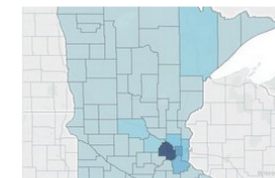
VW Settlement

The nuts and bolts of the Volkswagen settlement



Public input

How should Minnesota use \$47 million?



Data

How bad was VW's pollution?
How can new projects help?

Questions and discussion

Thank you!

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