

Proposed Updates to Delaware's Inspection and Maintenance Program

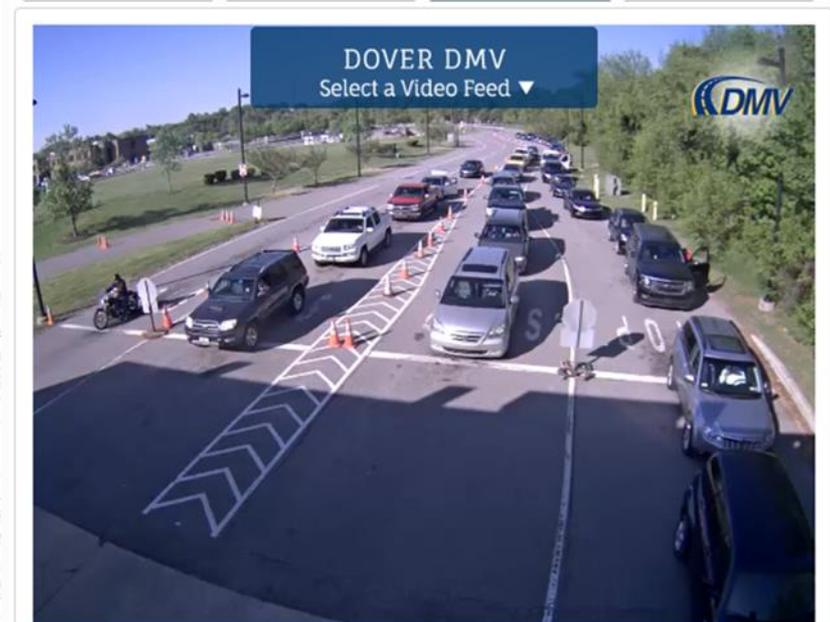


Department of Natural Resources &
Environmental Control
Division of Air Quality
May 23, 2018

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What is the Inspection and Maintenance Program?

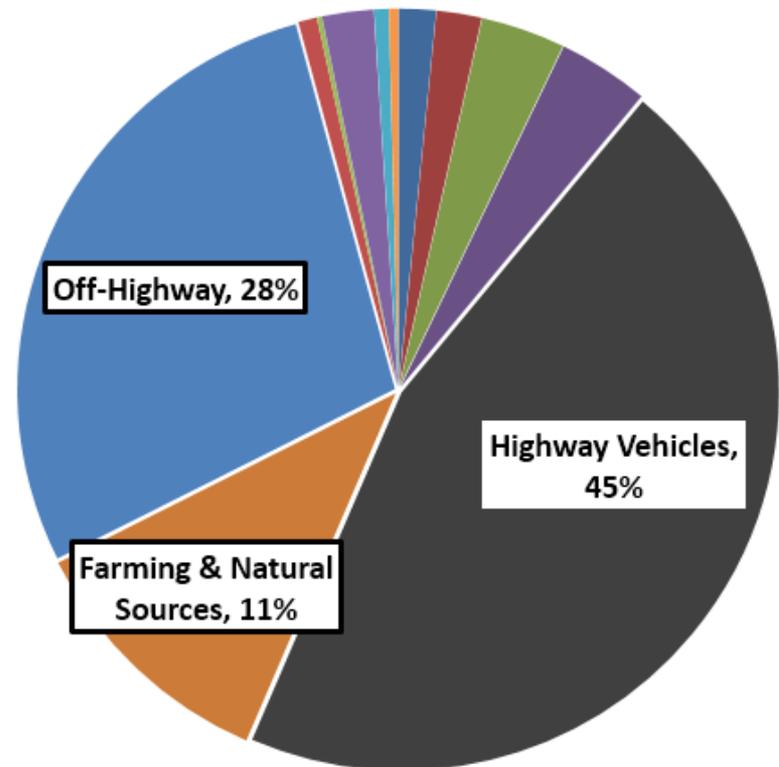
- All vehicles required to undergo I/M testing every 2 years except the seven (7) newest model years
- Ensures that Delaware registered vehicles meet federal tailpipe emission standards
- Vehicles that do not meet the standards are repaired and retested before they can be registered for a vehicle tag



Why is the I/M Program so Important?

- **45%** of Delaware's air pollution can be attributed to the highway vehicles
- Cars emit several pollutants of concern including:
 - Hydrocarbons (HCs)
 - Nitrogen Oxide (NOx)
 - Carbon Monoxide (CO)
 - Volatile Organic Compounds (VOCs)
 - Particulate Matter (PM) – 2.5 and 10
- Emissions from vehicles cause and make worse:
 - Asthma, heart disease and COPD

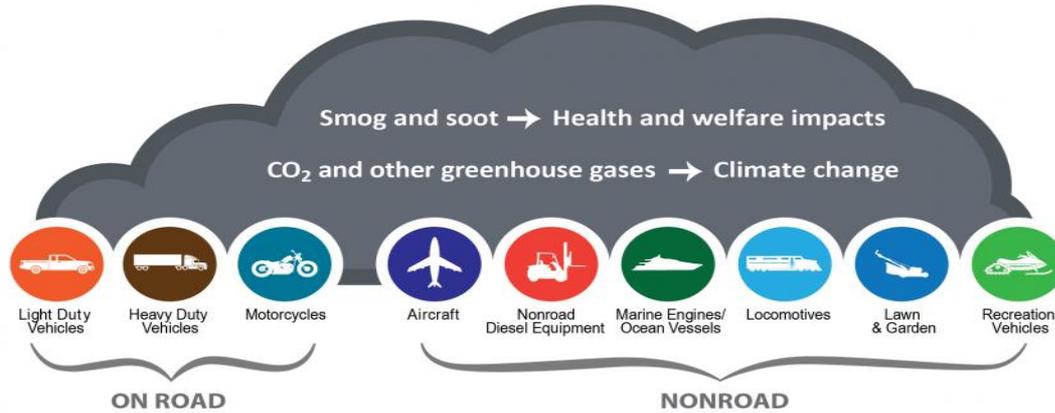
Sources of Criteria Pollutants



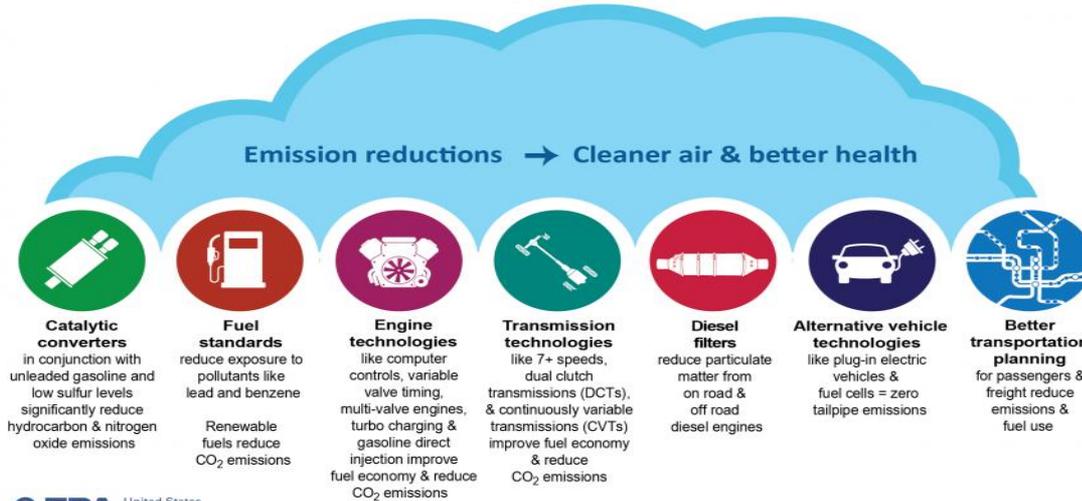
Data Source: NEI2014V2



Sources of Transportation Air Pollution



Solutions for Transportation Air Pollution



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Current I/M Tests

Model Year	Test Type	Pollutants	Counties
1968-1980	Idle (Curb) Test	HC, CO	All Counties
1975-1980	Cap Pressure Test	HC, CO	New Castle and Kent Counties
1975 through 1995	Tank Pressure Test	HC, CO	New Castle and Kent Counties
1975 and newer	Visual Inspection* of Catalytic Converter	NOx, HC, CO	All Counties
1981-1995	Exhaust Emissions (Two Speed Idle (TSI))	HC, CO	All Counties (Registered vehicles)
1996 and newer (Exempts seven most recent model years)	On-Board Diagnostics II Test (OBD)	Surrogate for NOx, HC, CO	New Castle and Kent Counties

*Confirming the catalytic converter has not been tampered with by the vehicle owner.





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Why propose a statewide program?

- On September 21, 2017 the General Assembly passed House Bill 246
 - Extended the exemption from inspection for new cars from 5 years to 7 years
 - This extension necessitates updates to DNREC's "Motor Vehicle Emissions Inspection Program" and "Low Enhanced Emissions Inspection and Maintenance Program. (Regulations 1126 and 1131)
- Help to streamline DMV operations
- Aligns with Delaware's air quality goals



Proposed Statewide Program

Model Year	Test Type	Pollutants	Counties
1968-1980	Idle (Curb) Test	HC, CO	All Counties
1975-1980	Cap Pressure Test	HC, CO	All Counties*
1975 and newer	Visual Inspection of Catalytic Converter	NOx, HC, CO	All Counties*
1981-1995	Exhaust Emissions (Tailpipe Test)	HC,CO	All Counties*
1996 and newer (Exempts current seven model years)	On-Board Diagnostics II Test (OBD)	Surrogate for NOx, HC, CO	All Counties*

*Adding in Sussex County.

-All Counties– Eliminate Pressure and Two Speed Idle (TSI) tests.



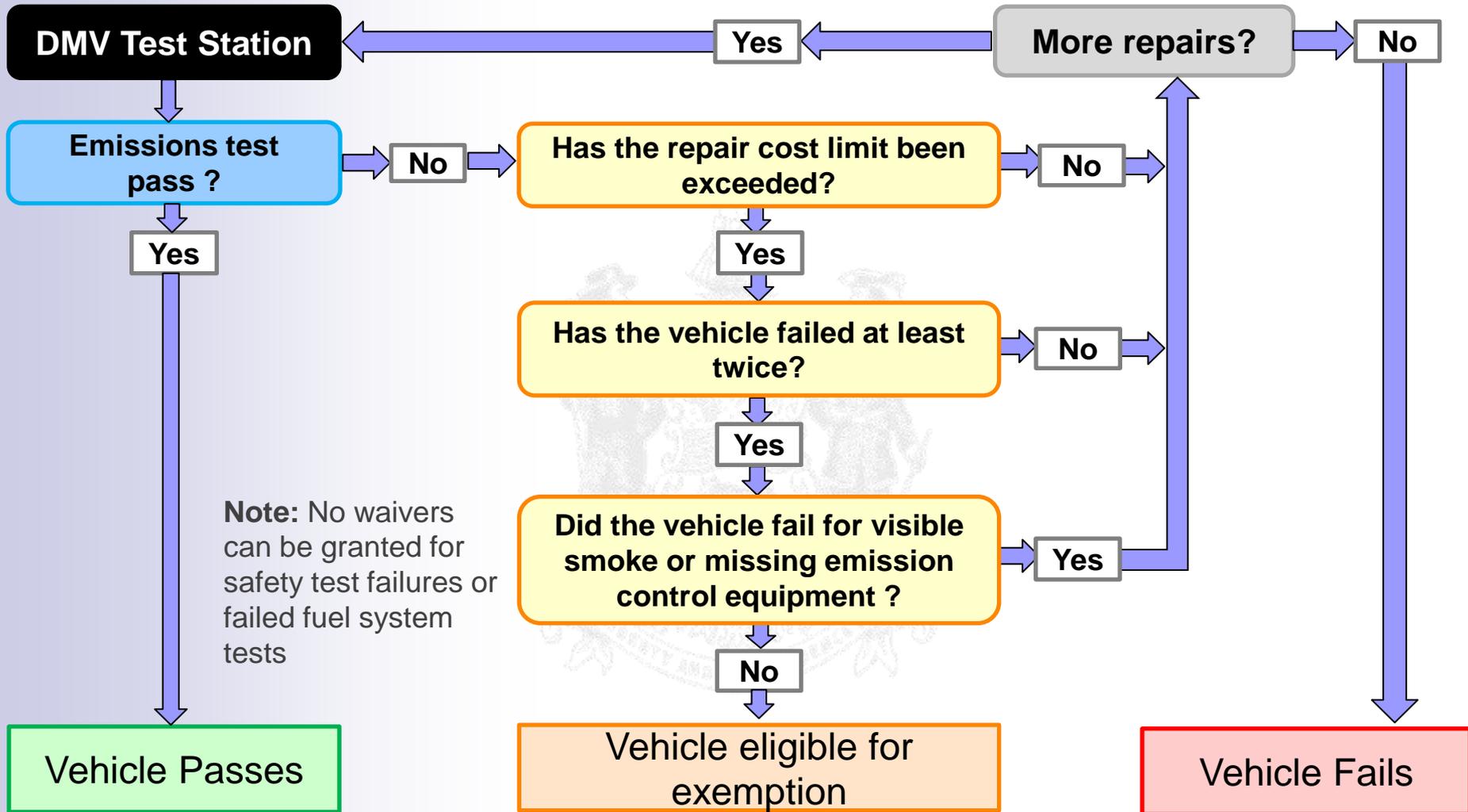
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Exemption Requirements

- An exemption may be issued to a motor vehicle that **cannot comply** with the applicable exhaust emissions standard and be repaired for a **reasonable cost**
- Failing an emissions test requires that repairs be performed by a Certified Emission Repair Technician (CERT) in order to apply for an exemption
 - The vehicle owner may make the repairs, in which case only the cost of the parts used can be counted towards the cost



Emissions Testing – Exemptions



Note: No waivers can be granted for safety test failures or failed fuel system tests



Current Repair Thresholds



- Current cost of repairs for obtaining an exemption from passing the emissions test:
 - New Castle County - \$897 *
 - Kent County - \$897 *
 - Sussex County - \$200^s

* Adjusted each year in line with the CPI

^s \$75 for pre-1981 vehicles



Proposals for the exemption cost for Sussex County vehicle owners

■ Proposal #1 –

- 2019 –\$400
- 2020 –\$600
- 2021 –\$800
- 2022 –parity with Kent & New Castle County



■ Proposal #2 –

- 2018 –\$200
- 2019 –\$200
- 2020 –\$450
- 2021 –\$450
- 2022 –parity with Kent & New Castle County

■ Proposal #3 –

- Immediate parity with New Castle & Kent County in 2019



Wrap up and Questions

- Which approach do you feel is best? Provide us with your feedback

