

ON-ROAD AND OFF-ROAD VEHICLE IDLING CONTROLS

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Introduction

- Motor vehicles are a very important source for ozone and fine particles in the Washington DC area.
- Base year 2011 emission inventory
 - On-road sources: 28% of total VOC & 47% of total NOx emissions
- Idling is an important contributor to overall motor vehicle emissions
- Idling controls can reduce emissions quickly

Idling Reduction Efforts

- Regulations
- Education
- Idling Reduction Technologies
- Enforcement

Regulations

- **District**

- On-road diesel & gasoline vehicles and nonroad diesel vehicles cannot idle for more than 3 minutes
- Fine: Starts at \$500 and double for subsequent violations, up to \$4,000

Exemptions

- When temperatures are below 32 degrees Fahrenheit, vehicles may idle for no more than 5 minutes.
- Engines may idle when they are necessary for the operation of power takeoff equipment such as dumping beds, cement mixers, refrigeration systems, content delivery equipment, winches, or shredders.
- Idle nonroad engines for up to 15 minutes when queuing (i.e., intermittently moving forward to perform work).
- Idle nonroad equipment for safety, servicing, inspection or emergency purposes.

Regulations

- **Maryland**

- Anti-Idling: Vehicles cannot idle for more than 5 minutes
- Unattended Motor Vehicle: A person driving or otherwise in charge of a motor vehicle may not leave it unattended until the engine is stopped, the ignition locked, the key removed, and the brake effectively set.
- Fine: \$500

Exemptions

- Vehicle is stopped due to traffic conditions or mechanical difficulties
- Engine is operating heating and cooling or auxiliary equipment
- To bring the engine to the manufacturer's recommended operating temperature
- To accomplish the intended use of the vehicle.

Regulations

- **Virginia**

- 10 minutes for diesel vehicles (3 minutes for all other vehicles) in commercial or residential urban areas
- Fine: Not more than \$25,000

Exemptions

- Tour buses may idle for up to 10 minutes during hot weather in order to maintain power to the air conditioning system

Education

Print Ads



Education

Poster

KNOW THE IDLING LAWS : TurnYourEngineOff.org

<p>MARYLAND, D.C.</p> <p>3 MINUTES</p> <p>FINES: \$1000</p> <p>EXEMPTIONS:</p> <ul style="list-style-type: none"> • 5 min.: broken 3.2" • Power takeoff 	<p>MARYLAND</p> <p>5 MINUTES</p> <p>FINES: \$500</p> <p>EXEMPTIONS:</p> <ul style="list-style-type: none"> • Traffic conditions or mechanical difficulties • Heating, cooling, or auxiliary equipment 	<p>VIRGINIA</p> <p>10 MINUTES</p> <p>FINES: up to \$2,000</p> <p>EXEMPTIONS:</p> <ul style="list-style-type: none"> • Auxiliary power
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REDUCING IDLE EMISSIONS STARTS WITH YOU:

- Get the word of mouth rolling. Talk to other drivers about idle reduction.
- Learn about new technologies available to help companies and drivers reduce diesel idling such as automatic engine shutdown/start up controls and auxiliary power units.
- Check with your local, state and federal programs for resources that may be available to assist you with the purchase of fuel savings and emission reduction technologies.
- Ask your employer about the Driver Recognition Program.

Avoid the fine.

Don't idle.

Supported by the bus and trucking sectors, the Metropolitan Washington Council of Governments (MWCOC), in collaboration with the District Department of the Environment (DDOE), the District Department of Transportation (DDOT) and the Maryland Department of the Environment (MDE).

Flyer

Turning your engine off is one of the easiest and most efficient steps you can take to help improve air quality. This simple act will help you to avoid costly fines, save money and curb fuel use.

For more information, visit TurnYourEngineOff.org.

Avoid the fine.

Don't idle.

Don't pay for dirty air.

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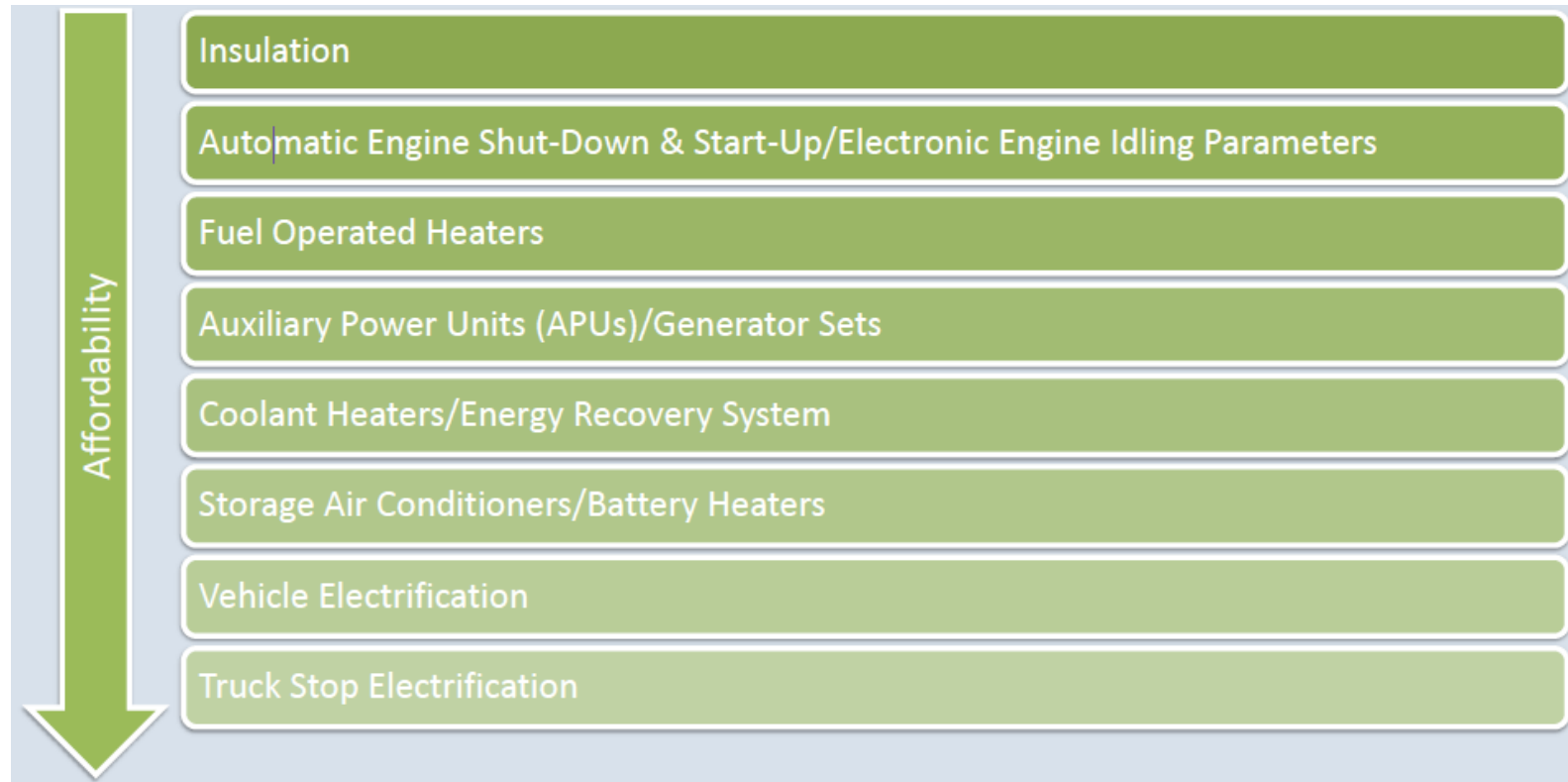
LIVE READ RADIO SCRIPTS



Rewards Program

- Driver Recognition Program (2011/2012)
 - MWCOG managed a regional Diesel Idle Reduction Driver Recognition Program for DDOE, DDOT, and MDE
 - Aimed to elevate awareness of the financial and environmental benefits of diesel idle reduction, and encourage compliance with idling regulations.
 - The Driver Recognition Program engaged frontline personnel who ultimately make the decision to let their vehicles run or turn off their engines.
 - The program acknowledged and rewarded those who comply with diesel idle reduction laws and set a good example for other drivers.

Idling Reduction Technologies



Source: OTC Mobile Source Committee Presentation, OTC Annual Meeting, June 3, 2016

Enforcement & Future Actions

- Question for State Air Agencies
 - How are the anti-idling regulations enforced in your jurisdictions?
- Question for Members
 - If/What additional future actions could be taken?