NEW RESEARCH

MORE NEW DIESEL TRUCKS ON THE ROAD = MORE CLEAN AIR, FEWER GHG EMISSIONS

Get the data on advanced truck technologies that deliver the goods AND clean air benefits NOW!

 меркел — June 2, 2021 2:00 - 3:00 pm ET

SPEAKERS INCLUDE:

[Logos of AFS and Diesel Technology Forum]
ALL PARTICIPANTS PHONES ARE MUTED

PLEASE SUBMIT YOUR QUESTIONS AT ANY TIME VIA THE CHAT FEATURE.

BE SURE TO SELECT KRISTEN GIFFORD (HOST)

SLIDES AND RECORDED PRESENTATION WILL BE AVAILABLE.

INSTRUCTIONS ON ACCESSING THE SLIDES WILL BE EMAILED TO YOU.

THANK YOU FOR JOINING US!
About the Diesel Technology Forum:
We represent the leaders in clean diesel technology and fuels: OEMs, Suppliers, Fuel Interests
Since 2011MY, new heavy duty diesel engines achieve near zero emissions for particulate matter and nitrogen oxide emissions.

Near-Zero Emissions Available Today
Further Progress to Zero in the Future
Question: What percentage of the vehicles in operation in the U.S. are the newer generation diesel, and compared to previous generations, what are the benefits of the acquisition and use of these vehicles for truck owners and society in general? Evaluate scenarios of emissions benefits of using renewable low-carbon biobased diesel fuels, compare to other alternative fuel strategies.

Methodology:
- DTF acquires vehicles in operation data from IHS Markit.
- Analysis of raw data by fuel type, vehicle MY, emissions generation
- Rank ordering of states- highest to lowest, segmentation class 3-8, school, transit bus
- Top-Ten for adoption Fastest growing, etc.
- Commission Auto Forecast Solutions (AFS) to conduct analysis using EPA models, report results, compare and equate emissions impacts to other metrics.
NEWS: Half of the Class 8 Fleet on the Road is Now Near-Zero Emissions

97% of Class 8 big rig trucks are diesel-powered

50% powered by newest generation of advanced diesel technology

Source – December 2020 U.S. Vehicles in Operation Data (Class 3-8 vehicles, Model Year 2010 and newer) provided by IHS Markit
Top 10 States for Near-Zero Emissions Diesel Trucks

- Share of the Class 3-8 fleet

**Percentage of Class 3-8 Diesel Trucks that are MY 2010+**

**Ranking**

1. Indiana 66.8%
2. Utah 59.9%
3. Pennsylvania 58.7%
4. Oklahoma 58.2%
5. Texas 56.3%
6. Florida 55.2%
7. Maryland 52.4%
8. Illinois 51.8%
9. Wisconsin 51.6%
10. Tennessee 51.2%

Indiana is #1 for 8 years in a row

Source – December 2020 U.S. Vehicles in Operation Data (Class 3-8 vehicles, Model Year 2010 and newer) provided by IHS Markit
Regional Breakdown of the Near-Zero Emissions Diesel Truck Fleet

Share of the Class 3-8 fleet

Percentage of Newest Generation Heavy-Duty Trucks by U.S. EPA Region

Source – December 2020 U.S. Vehicles in Operation Data (Class 3-8 vehicles, Model Year 2010 and newer) provided by IHS Markit
Benefits Analysis

CASEY SELECMAN
AUTOFORECAST SOLUTIONS
REMINDER

SUBMIT YOUR QUESTIONS VIA THE CHAT FEATURE AT ANY TIME
Near-Zero Emissions Diesel Trucks Save Fuel and Deliver Climate and Clean Air Benefits
New technology diesel trucks reduced **202 M tonnes of CO₂ emissions since 2007**

Equal to removing CO₂ emissions from **43M passenger vehicles** from the road for one year or making them **zero emission** electric vehicles

Source – AutoForecastSolutions, 2021
New technology diesel trucks reduced 202 M tonnes of CO₂ emissions since 2007

Equal to a wind farm with 42k turbines over 210k acres (~5x the size of Washington D.C.)

Source – AutoForecastSolutions, 2021
PLEASE SUBMIT YOUR QUESTIONS VIA THE CHAT FEATURE. BE SURE TO SELECT KRISTEN GIFFORD (HOST) OR ALLEN SCHAEFFER, TO DIRECT YOUR QUESTIONS.

INSTRUCTIONS ON ACCESSING SLIDES AND RECORDED PRESENTATION WILL BE EMAILED TO YOU IN 24 HOURS.

SEND ANY FOLLOW UP QUESTIONS TO dtf@dieselforum.org
America’s Trucking Industry Runs on Diesel

- 76% of all commercial vehicles in the U.S. are diesel-powered.
- 1/2M new technology clean diesel trucks were added to the fleet in 2020.
- 49% of all diesel commercial vehicles on U.S. roads are now powered by newest generation of advanced diesel technology.
- Increase (2019 vs. 2020): 6%.

New Generation Advanced Technology Diesel Trucks Save Fuel and Deliver Major Climate and Clean Air Benefits (Class 3-8 Vehicles Model Year 2007-2020)

- Reduced Emissions: 202M Tonnes of CO₂
- Saved Fuel: 19.8B Gallons of Diesel Fuel
- 27M Tonnes of NOx
- 472M Barrels of Crude Oil

Source - December 2020 U.S. Vehicles in Operation Data (Class 3-8 vehicles, Model Year 2010 and newer) provided by IHS Markit / AutoForecastSolutions, 2021.
Thank you for joining us!

Attendees will receive an email with a link for access to the materials from today’s session.

Connect with the Diesel Technology Forum

For the latest insights and information from the leaders in clean diesel technology, join us on Facebook, follow us on Twitter @DieselTechForum or YouTube @DieselTechForum, and connect with us on LinkedIn. Get it all by subscribing to our newsletter Diesel Direct for a weekly wrap-up of clean diesel news, policy analysis and more, direct to your inbox.
Thank You!

Allen Schaeffer
Executive Director

aschaeffer@dieselforum.org

Please learn more about diesel technology
https://www.dieselforum.org/