

NGV U.P.-T.I.M.E. Analysis: *Updated Performance Tracking Integrating Maintenance Expenses*

Natural Gas Vehicle Maintenance Cost Study:

Clean Fuels Ohio and Energetics are leading a natural gas vehicle (NGV) maintenance cost study funded by the Department of Energy (DOE) collecting real-world, up-to-date fleet vehicle maintenance data and costs from heavy-duty trucking fleets in the freight & goods movement sector across the country. The study will create a nationwide dataset, perform analysis comparing the relative maintenance costs of NGVs and diesel trucks, and document best practices & technology solutions capable of reducing maintenance related costs to cite lower total cost of ownership of NGVs to comparable diesel-powered vehicles.



Fleet Data Partner Requirements to Participate:

- ✓ Operates natural gas & diesel vehicles/trucks
- ✓ Medium-/Heavy-Duty Trucks (Class 6-8)
- ✓ Freight and Goods (*includes parcel/package, food/beverage, raw materials, finished consumer products*)
- ✓ Available lifetime NGV & Diesel maintenance data
- ✓ Uses VMRS (*Vehicle Maintenance Reporting Standards*) or similar coded maintenance data/costs tracking systems for fleet vehicles

Benefits for Fleet Data Partners:

- *Data protection from project NDA*
- *One-time dataset submission*
- *Free data cleaning & analysis*
- *Fleet Specific Maintenance Report*
- *Access to Final Study Report*



What The Project Needs from Fleet Data Partners:

1. Signed *Data Sharing Agreement*
2. Fleet Profile Information (*vehicle operations, inventory, route-data, etc.*)
3. Maintenance data and costs (*VMRS digital records for NGVs and diesel vehicles*) submitted/transferred to project's secure SharePoint site

The study will deliver comparison of NGVs & Diesels from Real Data:

- *Current generation natural gas trucks*
- *Previous generation natural gas trucks*
- *Current generation diesel trucks*
- *Impacts of different technology solutions and best practices capable of reducing maintenance costs*

Our partners include Energetics, multiple NGV freight/goods movement trucking fleets across various geographic regions and the country, Clean Cities coalitions, the National Renewable Energy Laboratory, and a Project Advisory Committee made up of natural gas industry experts, OEMs, fuel station providers, trucking associations, and others.

Learn more at www.ngv-uptime.org