



2016 FLEET INVENTORY NARRATIVE REPORT

SUMMARY

Current Fleet Composition

A complete fleet inventory is contained in the attached 2016 Fleet Inventory Spreadsheet. All municipal vehicles are Township-owned. The overall composition includes:

- 28 Sedans (gasoline fueled)
- 36 Sport Utility Vehicles – SUVs (gasoline fueled)
- 2 Cargo Vans (gasoline fueled)
- 1 Bus (diesel fueled)
- 16 Light Duty Trucks (7 gasoline fueled, 9 diesel fueled)
- 37 Heavy Duty Trucks (32 diesel fueled, 5 compressed natural gas (CNG) fueled)

NOTE: This inventory does not include vehicles owned or leased by the Voorhees Fire Department. The Voorhees Fire District exists as an independent entity much like the Voorhees School District in that it is governed by a Board of Fire Commissioners and possesses discrete taxing authority.

Maintenance

The Voorhees motor vehicle fleet is maintained by certified mechanics at the municipal garage. Repairs exceeding municipal capabilities are performed by private garages under applicable bidding statutes.

Routine vehicle maintenance includes the following (recorded in detailed maintenance records):

- Fuel efficiency and longevity measures including regular tune ups, oil changes, and tire pressure checks
- Annual safety inspections

NOTE: All recovered vehicle liquids are disposed of at a qualified recycling facility to the extent practicable.

Driver Training

At present, the Voorhees Township driver training program emphasizes safety and defensive driving strategies. Driver efficiency training has not been included in the current programs.

EVALUATION

Current Fleet Efficiency

Voorhees Township has and will continue to strive for improved vehicle efficiency as the Township fleet undergoes regular retirement and replacement. All new vehicle purchases include an evaluation of the



potential savings afforded by improved vehicle efficiency through smaller engines, fuel type and rates of consumption, and increased maintenance intervals. This is evidenced through the municipalities' programmed replacement of heavy trucks with diesel and CNG-fueled vehicles.

Strategies for Improvement

1. Operator Efficiency Training

Voorhees must augment its current safety-centric driver training with efficiency protocols. At a minimum these should include:

- Reduced idling time
- Avoidance of rapid starts and stops
- Avoidance of excessive braking
- Reduced use of air conditioning
- Reduced drag through more efficient packing of cargo

Such augmented training should extend to both current and future vehicle operators and should be refreshed annually to reflect the current fleet composition and new efficiency standards.

2. Vehicle Efficiency Improvements

Voorhees Township should consider replacing existing SUVs and sedans with more fuel efficient alternatives containing either smaller engines or engines of hybrid construction. Since these vehicles represent the vast majority of the Township's inventory, fuel and emission reductions should be considerable. With the current inter-township speed limits and a police department directive effectively eliminating high speed vehicle pursuits, larger engines with greater horsepower are no longer required.

One Specific Target

Voorhees is currently investigating the use of a real time tracking vehicle GPS system in its fleet. Such systems monitor vehicle speed, idle times, and route efficiency. Estimated improvements in fuel and emission reductions range from 10% (Fleettrax) to 15% (Fleetmatics). Phased installation, beginning with the Department of Public Works, will allow the Township to more easily provide the initial capital outlay of the system and more quickly recover its cost through fuel savings.