



Fleet Inventory Narrative

In August of 2012 the Paramus Green Team started the task of inventorying the Borough's vehicular fleet. The appointed team member worked closely with the Fleet Manager to compile and analyze the Borough's extensive fleet. As a result of this analysis several areas of improvement were brought to light, including fuel inefficiencies and outdated practices

Fleet Composition

The current fleet inventory is comprised of 181 vehicles. Of this total, 108 are various sedans, SUV, and light duty pick-ups. The balance is heavy duty trucks used by DPW, Shade Tree, Fire and First Aid. After evaluating the fleet's total fuel efficiency and total consumption, a closer look at additional alternative fuel vehicles is warranted.

Fleet Maintenance

The Borough maintains its own full service mechanical maintenance garage to service its extensive fleet. All vehicles undergo routine preventative maintenance and are serviced per manufacturer recommendations.

Driver Training

All drivers must be appropriately licensed for their primary vehicle type. Driver training is an on going process involving classroom time, regular manual review, and field training when appropriate. The Borough's driver manual does have a segment which discusses a no-idle approach to fuel conservation.

Fleet Evaluation

Having such a large fleet does create a certain level of self-reliance. This self-reliance also allows the Borough to lend its services to neighboring communities which may not have their own resources. Such a high level of autonomy has left the fleet heavily weighed with older and less efficient vehicles. The fleet has sixteen vehicles which are ten years old or older. Although most of the vehicles are used on a daily basis there are several vehicles which are being under utilized. The Fleet Manager does recognize the need to update the Borough's fleet, starting with the least efficient vehicles.

In 2009 the Borough's DPW complex received delivery and installation of a Biodiesel Centrifuge. This centrifuge is used to clean used cooking oil of food

particulates. The resulting clean oil is then mixed with diesel fuel to create Biodiesel for use by the entire diesel fleet without further need for conversion. The result is a 5% increase in overall diesel fuel efficiency.

Target Goals

As a result of this analysis, the Borough's Director of Fleet Operations has taken preliminary steps to research additional alternative fuel vehicles. He hopes to have a report to the Mayor and Council shortly. The short term goal is to replace the oldest and least efficient sedans with newer, alternative fuel cars. The longer term goal is to go through each department and conduct a needs analysis, to evaluate the type of vehicle best suited for the department specific needs.