

Howell Township 2016 Fleet Inventory Narrative

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The Howell Township Fleet Program has addressed sustainability by monitoring current trends, implementing programs and maintaining vehicles to reduce emissions. The program's goal is to reduce pollution and increase the use of renewable resources.

As of September 24, 2016, the Howell Township fleet inventory numbered 206 on-road vehicles incorporating:

- 104 gasoline fueled cars and sport utility vehicles
- 15 gasoline fueled light-duty trucks
- 4 gasoline fueled heavy-duty trucks
- 0 diesel fueled passenger cars
- 47 diesel fueled light-duty trucks and buses
- 34 diesel fueled heavy-duty vehicles
- 2 hybrid sports utility vehicles

From September 2015 through September 2016 Howell Township payed an average of \$1.25 per gallon for gasoline and \$1.30 per gallon for diesel fuel according to the New Jersey Department of Treasury Contract Fuel Prices. Municipal vehicles consumed 74,400 gallons of gasoline and 29,021 gallons of diesel fuel during this same period.

The township fuel initiatives have taken several approaches. One example is purchasing 6 cylinder police vehicles as opposed to 8 cylinder vehicles. This started in 2012 with the purchase of six cylinder administrative cars and advanced

with the purchase of six cylinder Sport Utility Vehicles for patrol. The older inefficient vehicles are eventually sold at auction.

Another program was retrofitting 15 diesel trucks with an active or passive diesel particulate filter (DPF). All 2007 and older trucks were equipped with a data logger and outfitted with a DPF based on the truck's duty cycle. Model year 2008 and newer vehicles are delivered with a DPF.

Drivers are trained in pre-trip and post -trip inspections and are instructed to report deficiencies. This includes problems that affect fuel efficiency and the environment, as in low tire pressure, leaks, smoke, and poor performance. GPS is in place to improve the efficiency of leaf collection, bulk collection, snow plowing and street cleaning routes. In addition, Howell Township adopted a No-Idling Resolution, plus newer municipal trucks comply with the Clean Air Act or have an auto shut off after 3 minutes idle time.

The Vehicle Maintenance Department maintains all vehicles in an effort to reduce fuel usage and waste oil. All vehicles utilize a fob that reports fuel usage and mileage to a Fleet Maintenance Program. The program tracks fuel economy, maintenance schedules, and maintenance cost. This information assists in the budget process. The benchmark for vehicle replacement is ten years of service or 100,000 miles.

Howell Township's goal is to lower the fleet's carbon footprint over the next 5 years. By building on our current foundation and implementing new programs Howell Township will further its goal of operating an environmentally responsible fleet.