



sanitation

Kathryn Garcia
Commissioner

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April 13, 2015

Honorable Bill de Blasio
Mayor, City of New York
City Hall
New York, New York 10007

Honorable Melissa Mark-Viverito
Speaker, New York City Council
City Hall
New York, New York 10007

Honorable Scott M. Stringer
Comptroller, City of New York
One Centre Street – Municipal Building
Room 530
New York, New York 10007

Re: 2014 Report on DSNY's Alternative Fuel Program

Dear Mayor de Blasio, Speaker Mark-Viverito and Comptroller Stringer:

I am pleased to submit to you the enclosed annual report on the Department of Sanitation's alternative fuel program, as required by Local Law 38 of 2005, Section 24-163.2 of the Administrative Code.

The Department's fleet continues to be among the cleanest and greenest in the world. Since 2005 we have reduced our fleet's overall particulate matter (PM) emissions by 90% and cut Nitrogen Oxide (NOx) emissions by 81%. The newest DSNY trucks achieve 98% reductions in each pollutant as compared with pre-1988 diesel engines and are have PM emissions comparable with trucks fueled by natural gas.

DSNY also continues to do pioneering research and development work on cleaner fuels and emissions controls for heavy duty trucks, an effort we started over 15 years ago. Based in part on DSNY's research, in 2006 the USEPA began mandating ultra-low sulfur diesel (ULSD) fuel for heavy diesel trucks nationwide, and required new diesel trucks to come equipped with particulate filters starting in 2007. ULSD has a maximum sulfur content of just 15 parts per million (ppm), compared to 2500 ppm of sulfur in highway diesel fuel on average prior to 1993. The use of ULSD enables DSNY to implement our highly effective emissions retrofit program for our few remaining pre-2007 model year trucks with best available retrofit technology (BART), including diesel particulate filters.

In accordance with the Local Law 73 of 2013 mandate to further lower fleet emissions, including greenhouse gases, the Department currently uses B20 biodiesel (20% biodiesel made of soybeans) for its

trucks citywide. DSNY uses B20 generally from April 15 through November 15, and B5 (5% biodiesel) during the colder months.

In addition, we have 5 compressed natural gas (CNG)-powered street sweepers, 44 CNG-powered collection trucks, 778 light-duty vehicles that are hybrid-electric, 21 plug-in hybrid-electric Chevrolet Volt sedans, 18 all-electric Nissan Leaf sedans, 51 hybrid-hydraulic diesel collection trucks, one CNG-powered hybrid-hydraulic collection truck, three hybrid-electric diesel collection trucks, and 13 hybrid-electric street sweepers.

The Department remains committed to making its fleet as environmentally sustainable as possible consistent with our operational needs and will continue our active research and development efforts concerning alternative fuels and technologies for our fleet.

Sincerely,


Kathryn Garcia

c: Hon. Anthony Shorris, First Deputy Mayor
City Hall

Emma Wolfe, Director
Office of Intergovernmental Affairs, City Hall

Nilda Mesa, Esq., Director
Office of Sustainability, City Hall

Hon. Antonio Reynoso, Councilmember
Chair, Committee on Sanitation & Solid Waste

Hon. Donovan Richards Jr., Councilmember
Chair, Committee on Environmental Protection

Rocco DiRico, Deputy Commissioner, Support Services
New York City Department of Sanitation

Bridget Anderson, Deputy Commissioner, Recycling & Sustainability
New York City Department of Sanitation

Encl.