



sanitation

Kathryn Garcia Commissioner

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June 1, 2016

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: 2015 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 83.5%. DSNY trucks acquired since late 2006 meet PM emissions standards that are 98% cleaner than the unregulated diesels of old, and are as clean as trucks fueled by natural gas. Similarly, trucks delivered since 2010 meet the strict USEPA standard for NOx that is 98% cleaner than the old diesels.

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 diesels to come equipped with particulate filters starting in 2007. ULSD has a maximum of just 15 parts per

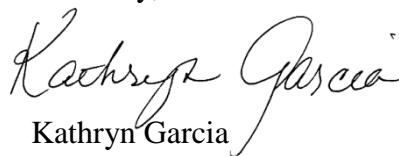
million (ppm) of sulfur, compared to the 2500 ppm of sulfur fuel that was the average content of highway fuel prior to 1993.

In accordance with the Local Law 73 of 2013 mandate to further lower fleet emissions, including greenhouse gases, the Department currently uses B20 (20% biodiesel made of soybeans) for its trucks citywide from April 15 through November 15 and uses B5 (5% biodiesel) during the colder months.

In addition, we have 695 hybrid-electric light-duty vehicles, 21 plug-in hybrid-electric Chevrolet Volt sedans, 35 Ford Fusion Energi Plug-In Hybrid sedans, 18 all-electric Nissan Leaf sedans, 43 compressed natural gas (CNG)-powered collection trucks, 51 hybrid-hydraulic diesel collection trucks, one CNG-powered hybrid-hydraulic collection truck, three hybrid-electric diesel collection trucks, and 12 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. 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, DSNY

Bridget Anderson, Deputy Commissioner, Recycling & Sustainability, DSNY

Encl.