



# sanitation

Kathryn Garcia Commissioner

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April 19, 2018

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

Honorable Corey Johnson  
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: 2017 Report on DSNY's Alternative Fuel Program

Dear Mayor de Blasio, Speaker Johnson 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 greater than 90%, and cut Nitrogen Oxide (NOx) emissions by 88%. DSNY trucks acquired since late 2006 meet PM emissions standards that are 98% cleaner than the unregulated diesels of old. 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 20 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. The use of ULSD enabled DSNY to implement our highly effective emissions retrofit program for our pre-2007 model year trucks with best available retrofit technology (BART) such as 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 (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. DSNY is currently conducting a B20 Winter Pilot at 14 district locations (continuing for 3 years). Results have been promising.

In addition we have 39 compressed natural gas (CNG)-powered collection trucks, 624 light-duty vehicles that are hybrid-electric, 17 plug-in hybrid-electric Chevrolet Volt sedans, 75 Ford Fusion Energi Plug-In Hybrid sedans, 18 all-electric Nissan Leaf sedans, 47 hybrid-hydraulic diesel collection trucks, and 14 hybrid-electric street sweepers.

Consistent with OneNYC, the Department remains committed to making its fleet as environmentally sustainable as possible consistent with our operational needs and will continue our research and development efforts concerning alternative fuels and technologies.

Sincerely,

A handwritten signature in black ink that reads "Kathryn Garcia". The signature is written in a cursive, flowing style.

Kathryn Garcia