

Fleet



NYC Biodiesel Update Central Park Arsenal

NYC Fleet

Keith Kerman

NYC Chief Fleet Officer

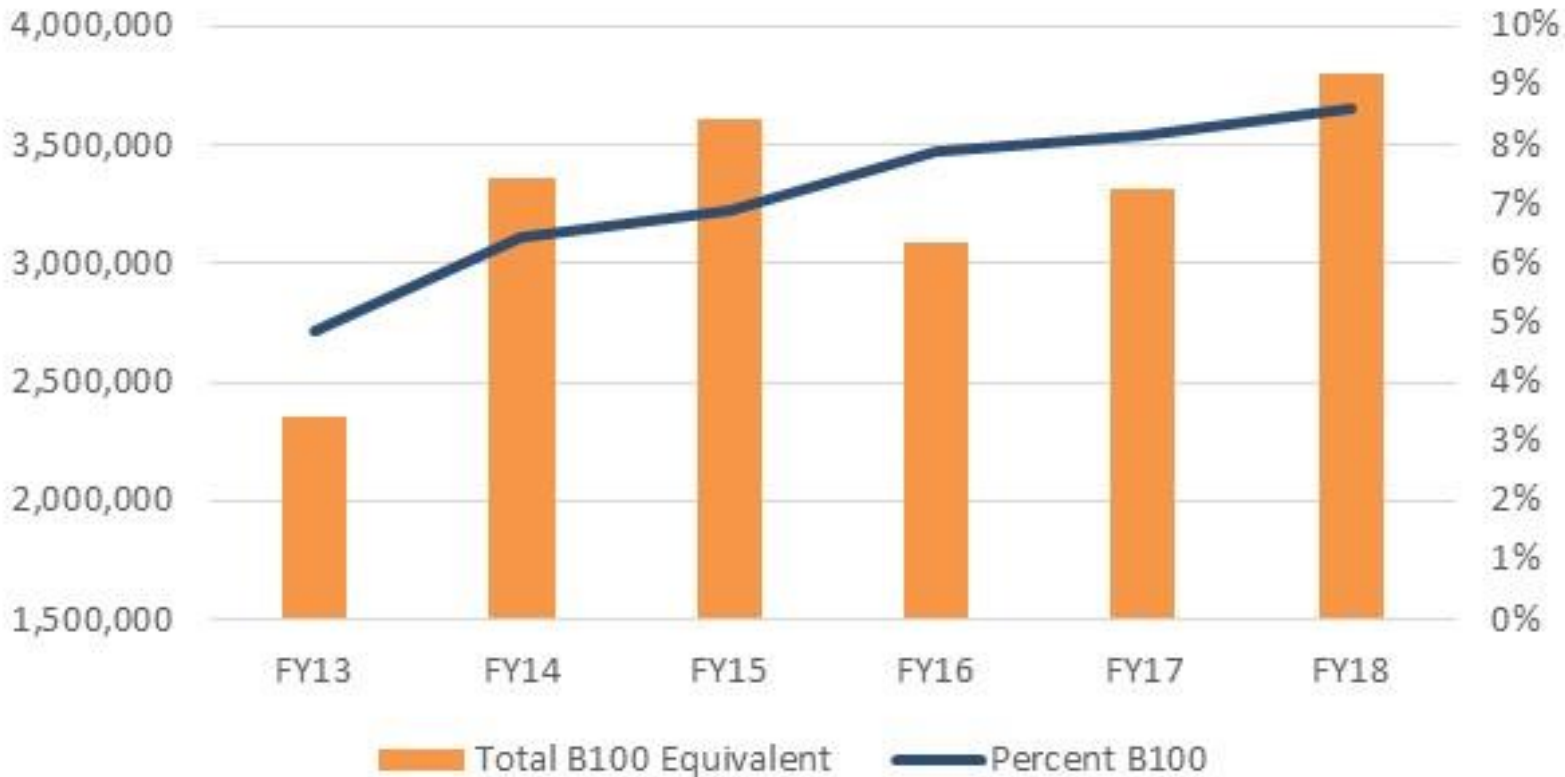
August 7, 2018

The beginning, NYC Parks



Biodiesel in Government Operations

Biodiesel Use in NYC Fleet and Buildings



Biodiesel in Government Operations

NYC Government Use of Biodiesel Blends			
FY	Blended Gallons for Government Buildings	Blended Gallons for Government Fleet	Total
13	31,736,530	11,925,594	43,662,124
14	35,457,127	14,080,534	49,537,661
15	35,554,585	15,597,826	51,152,411
16	22,669,030	15,281,204	37,950,234
17	23,792,071	15,780,318	39,572,389
18	27,412,541	15,588,687	43,001,228
Total	176,621,884	88,254,163	264,876,047

Winter Biodiesel B20 Use, Fleet

In-House Vehicle Biodiesel Use, Winter FY17-FY18

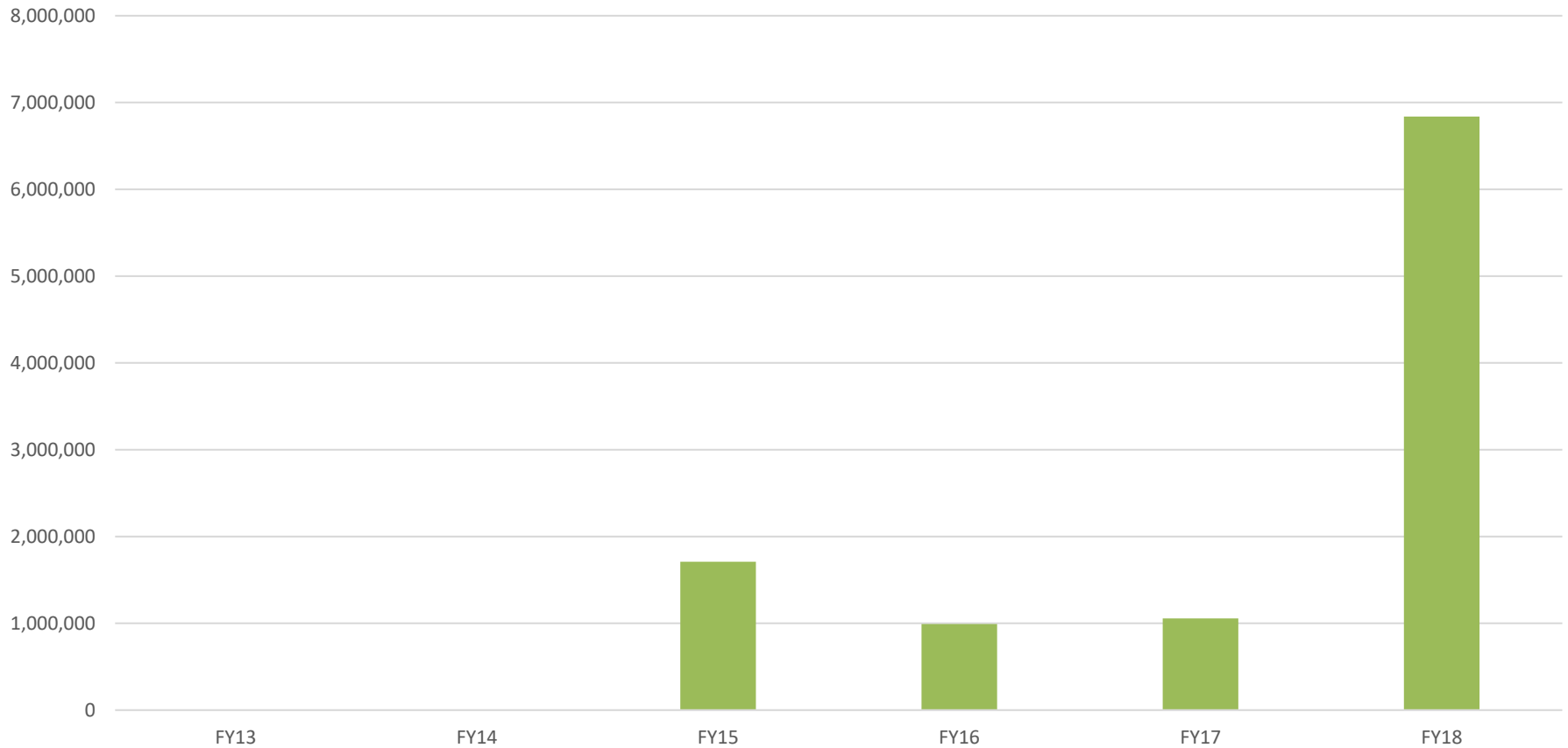
Agency	#2 ULSD	#2 ULSD B5	#2 ULSD B10	#1 ULSD B20	#2 ULSD B20	Total Diesel	Total Biodiesel	% Biodiesel
Correction	2,000	0	0	0	233,288	235,288	233,288	99%
Environmental Protection	28,606	218,932	0	0	29,769	277,307	248,701	90%
Fire	425,571	1,559,693	0	0	0	1,985,264	1,559,693	79%
Parks	0	366,827	0	16,715	0	383,542	383,542	100%
Police	52,048	26,775	310,392	0	2,618	391,833	339,785	87%
Sanitation	3,999	6,918,842	0	1,546,816	16,056	8,485,713	8,481,714	100%
Transportation	119,205	343,887	0	14,104	209,618	686,814	567,609	83%
Citywide	631,429	9,434,956	310,392	1,577,635	491,349	12,445,761	11,814,332	95%

FY18 Average #1B20 Price: \$2.56

FY18 Average #2B20 Price: \$2.48

Bioheat, B10 Initiative

B10 in Heating



Renewable Diesel, Fleet



Renewable Diesel, Fleet

DCAS RND Trial 2018

	Week ending	<u>6/3</u>	<u>6/10</u>	<u>6/17</u>	<u>6/24</u>	<u>7/1</u>	<u>7/8</u>	<u>7/15</u>	<u>7/22</u>	<u>7/29</u>	Total
DSNY		3,636	14,967	13,962	24,951	23,380	29,032	34,812	32,518	24,068	201,326
DPR		500	3,080	4,935	1,579	5,049	3,445	2,902	5,742	2,168	29,400
DOT											-
DEP							2,581	3,500	770	3,400	10,251
Rack Pick-Up					7,427	3,423	4,210	7,952			23,012
Weekly Total		4,136	18,047	18,897	33,957	31,852	39,268	49,166	39,030	29,636	263,989

636,011

**Gallons
Left**

Biotires

MEDIA | NEWS RELEASES

GOODYEAR USING SOYBEAN OIL-BASED RUBBER IN TIRES

AUGUST 29, 2017

AKRON, Ohio, August 29, 2017 – The Goodyear Tire & Rubber Company is harvesting some unique “seeds” of innovation as it introduces a new tire technology with support from the United Soybean Board (USB).

The first commercial use of a new soybean oil-based rubber compound is helping Goodyear enhance tire performance in dry, wet and winter conditions. A Goodyear team of scientists and engineers created a tread compound, or formulation, using soybean oil, which is naturally derived, cost-effective, carbon-neutral and renewable.

“Goodyear’s legacy of innovation drives us to continue to apply new technology solutions, developing superior performing tires that meet consumer demands,” said Eric Mizner, Goodyear’s director of global materials science.

By employing soybean oil in tires, Goodyear found a new way to help keep the rubber compound pliable in changing temperatures, a key performance achievement in maintaining and enhancing the vehicle’s grip on the road surface.

Goodyear’s tests have shown rubber made with soybean oil mixes more easily in the silica-reinforced compounds used in manufacturing certain tires. This also improves manufacturing efficiency and reduces energy consumption.

One NYC Environmental Policy

December 2015

NYC Clean Fleet

New York City will lead by example in pursuing 80×50 transportation emissions reductions by improving the sustainability of its municipal vehicle fleet

One NYC Environmental Policy



For Immediate Release

October 19, 2017

Cathy Hanson, chanson@dcas.nyc.gov

PUSHING BACK AGAINST WASHINGTON'S THREATS TO REDUCE ENVIRONMENTAL STANDARDS, NEW YORK CITY SUPPORTS AMERICA'S FARMERS AND BIODIESEL SUPPLIERS

Department of Citywide Administrative Services submits comments to EPA protesting roll-back of national renewable fuel standards and announces further expansion of use of biodiesel for fleet and buildings.

NEW YORK – New York City submitted comments to the Environmental Protection Agency (EPA) today, protesting any roll-back of the Renewable Fuel Standards (RFS) which call for minimal use levels for renewable fuels like biodiesel. Biodiesel has proven a reliable and effective fuel for NYC fleet and buildings and has helped reduce air pollution in the City while lowering greenhouse gas emission. NYC continues to grow its implementation of biofuels in buildings and fleet and calls on Washington to do the same nationally.

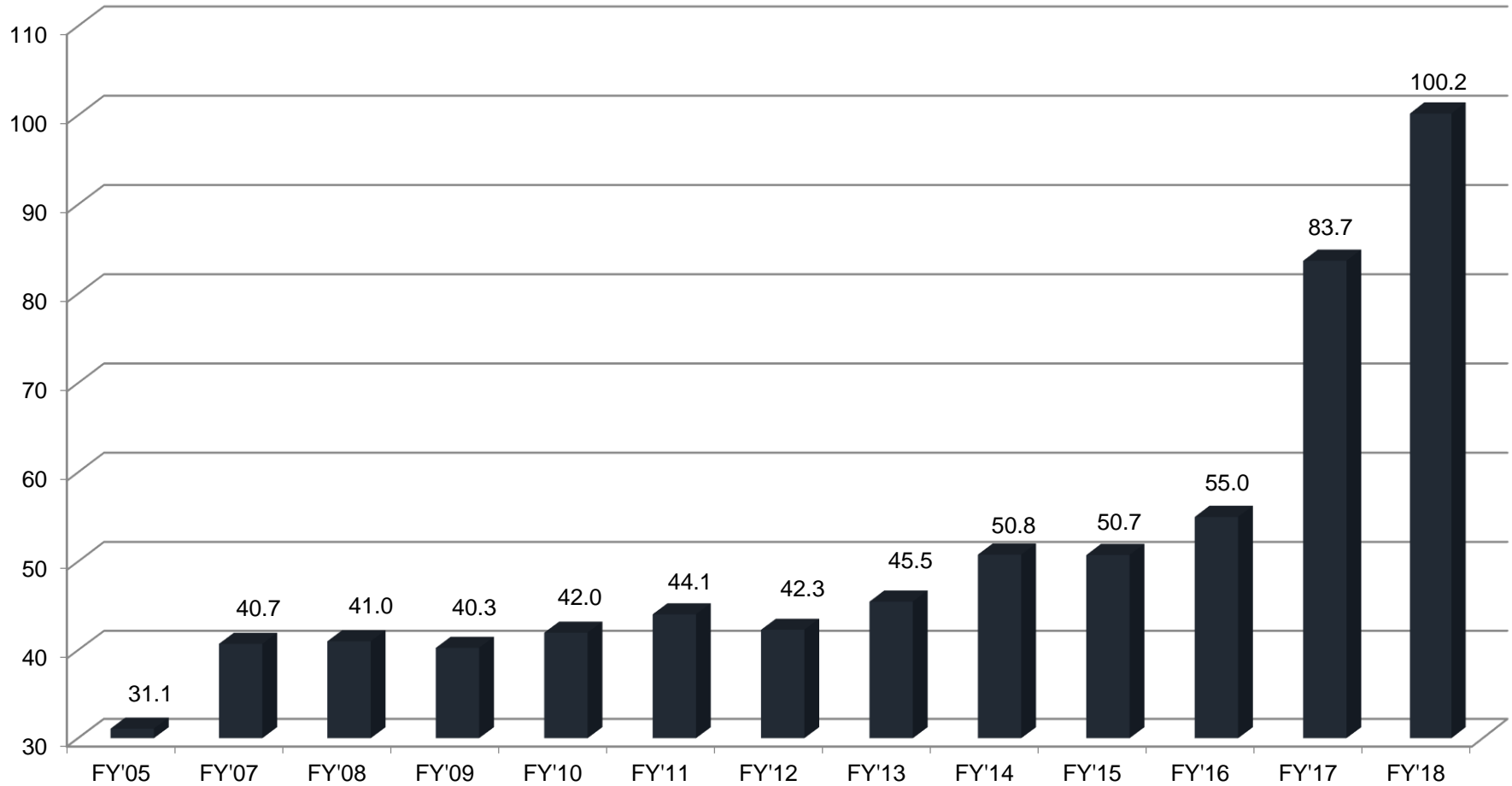
Biofuels can be produced in many ways including recycling of used grease from restaurants and the use of farm products such as soy plants.

Already a leader in biodiesel use, NYC is set to expand the use of biofuels:

- **Mayor de Blasio signed Local Law 119 of 2016, one of the most ambitious biofuels laws in the country.** This law will transition all fuel oil used in heating to B20 by 2034. The first stage of the expansion is happening now with all NYC public and private buildings transitioning from B2 to B5 effective October 1, 2017.
- NYC owned government buildings will meet this goal **eight years before the law requires**, going from B5 to B10, effective the winter of 2017/2018,
- NYC will also introduce the use of **renewable diesel (RD) for the first time** with a 1 million-gallon purchase scheduled for use by City agency fleets in spring, 2018. Like biodiesel, RD uses renewable and natural feedstock's to replace fossil fuels.

These efforts require a healthy and growing national biodiesel industry and set of suppliers. We object to any effort to roll-back the Renewable Fuel Standards on the part of

Fuel Economy by Fiscal Year



NYC Electric Vehicle Fleet



Fleet



Thank you!

NYC Fleet

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NYC Chief Fleet Officer

Deputy Commissioner, DCAS