



Local Law 42 Annual Report Fiscal Year 2018

§24-163.7 of NYC Administrative Code required that by September 1, 2006, certain General Education (GE) diesel fuel-powered school buses be powered by a specific diesel fuel, ultra-low sulfur diesel fuel (ULSD). In addition, §24-163.7 required that by September 1, 2007, all of these school buses use best available retrofit technology (BART) to reduce emissions.

Finally, §24-163.7 requires the DOE to submit a report each year regarding the use of ultra-low sulfur diesel fuel and the use of the best available retrofit technology by school buses during the immediately preceding fiscal year and answering the specific questions below.

Of NYCDOE’s contracted GE diesel fueled fleet, 97.1% are using emission control devices with 93.3% using the best available devices.

Below are answers to the specific questions posed in Ad. Code 24-163.7(j)(1):

1. *What is the total number of school buses used to fulfill the requirements of school bus contracts? (Ad. Code 24-163.7(j)(1)(i))*

There is a fleet of 2,184 diesel powered Type C and D, general education school buses used to fulfill the requirements. (In total, there are currently 9,682 active vehicles listed by vendors in OPT’s system.)

2. *What is the total number of such buses that were powered by ULSD? (Ad. Code 24.163.7 (j)(1)(ii))*

All the above buses are powered by ULSD.

3. *What is the number of such buses that used BART, including a breakdown by vehicle model, engine year, and the type of technology used for each vehicle? (Ad. Code 24.163.7(j)(1)(iii))*

704 buses used this technology. Counts by year below; please see Table 1 for further breakdown.

| Year | Retrofitted with DPF Count |
|--------------|-----------------------------------|
| 1999 | 3* |
| 2000 | 3* |
| 2001 | 19* |
| 2002 | 19 |
| 2003 | 107 |
| 2004 | 107 |
| 2005 | 178 |
| 2006 | 268 |
| Total | 704 |

*used as spare vehicles

4. *What is the number of such buses that used other authorized technology in accordance with the law, including a breakdown by model and engine age technology? (Ad. Code 24.163.7 (j)(1)(iv))*

5 buses used other authorized technology. Please see Table 1 for the breakdown.

5. *What is the number of such buses that are equipped with an engine certified to the applicable 2007 EPA standard for particulate matter in accordance with the law? (Ad. Code 24.163.7(j)(1)(v))*

There were 1,334 buses are equipped with the applicable 2007 EPA standard engines.

6. *Where were the locations of the school districts where such buses were powered by ULSD, used BART or other authorized technology in accordance with this section, or were equipped with an engine certified to the applicable 2007 EPA standard for particulate matter? (Ad. Code 24.163.7(j)(1)(vi))*

All 32 community school districts within the five boroughs of New York City used these buses as well as school districts in Westchester, Rockland, Nassau, and Suffolk counties in New York.

7. *Were any waivers granted pursuant to 24-163.7(h) of this law? (Ad. Code 24.163.7(j)(1)(vii))*

See Table

Table 1 – DPF

| Technology | Manufacturer | Engine-Type | ULSD | Meets 2007 EPA Standard | No. of Buses* |
|---|----------------------|---|------|-------------------------|---------------|
| Diesel Particulate Filter (DPF) | IC, Bluebird, Thomas | Cummins/IC-Navistar/Caterpillar/Freightliner/Ford | Yes | 1,334 | 2038 |
| Diesel Oxidation Catalyst (DOC) with Closed Crankcase Ventilation System (CCVS) | IC, Bluebird, Thomas | Cummins/IC-Navistar/Caterpillar/Freightliner/Ford | Yes | | 5 |
| DOC Only | IC, Bluebird, Thomas | Cummins/IC-Navistar/Caterpillar/Freightliner/Ford | Yes | | 0 |
| CCVS Only | IC, Bluebird, Thomas | Cummins/Navistar/Caterpillar/Freightliner/Ford | Yes | | 77 |
| None | IC, Bluebird, Thomas | Cummins/Navistar/Caterpillar/Freightliner/Ford | Yes | | 64 |
| Retrofit in Process | IC, Bluebird, Thomas | Cummins/Navistar/Caterpillar/Freightliner/Ford | Yes | | |
| Not Required to Retrofit | IC, Bluebird, Thomas | Cummins/Navistar/Caterpillar/Freightliner/Ford | Yes | | 141* |
| Total GE Diesel Fueled Bus Fleet | See Above | Cummins/Navistar/Caterpillar/Freightliner/Ford | Yes | 1,334 | 2,184 |

*Not included in total as these are already counted in the “CCVS” and “None” categories