Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Hunts Point Clean Trucks Program

New York City Commercial Refuse Clean Truck Workshop

Susan McSherry (NYCDOT)

Thursday, February 27, 2014

NEW YORK CITY DOT

Presentation Overview

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

I. Goals & Objectives

II. Funding Background & Target Audience

III. Program Eligibility

IV. Program Requirements

V. Clean Truck Options

VI. Application Submission & Vendor Network

VII. Program Progress & Emission Reductions

Goals & Objectives

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

NYCDOT'S Vision

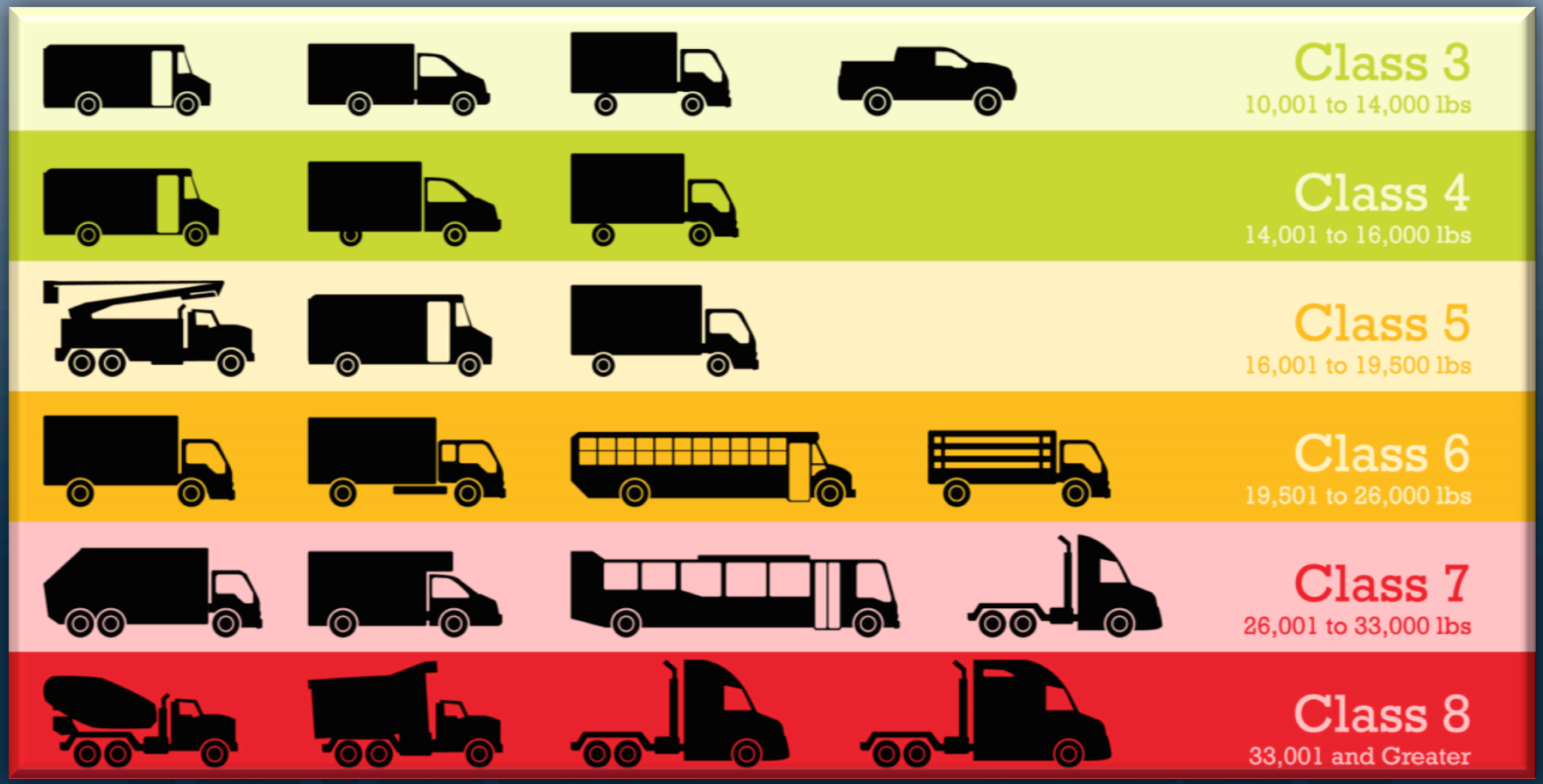
- Promote Sustainable Transportation
- Reduce Diesel Pollution and Improve Air Quality and Public Health
- Create a Prosperous and Healthy South Bronx Community

Rebate Funding & Target Audience

- U.S. Federal Highway Administration (FHWA) Congestion Mitigation and Air Quality Improvement Program (CMAQ)
- Program Targets Truck Owners with Class 3 to Class 8 Trucks - Engine Model Year 2006 or Older

Program Eligibility – Vehicle Classes

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx



Program Eligibility

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- Proof of one year history of regular service in Hunts Point and/or Port Morris
- Program Requires 5 Year Commitment (3 Year Commitment for Retrofits)
- Automatic Vehicle Locator (AVL) /Global Positioning System (GPS) Installation on New Truck

Vehicle Miles Traveled Requirements

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- Vehicle Miles Traveled (VMT) Requirements
  - 60 % of VMT must be within the New York City area, and operate within Hunts Point and/or Port Morris at least two times per week

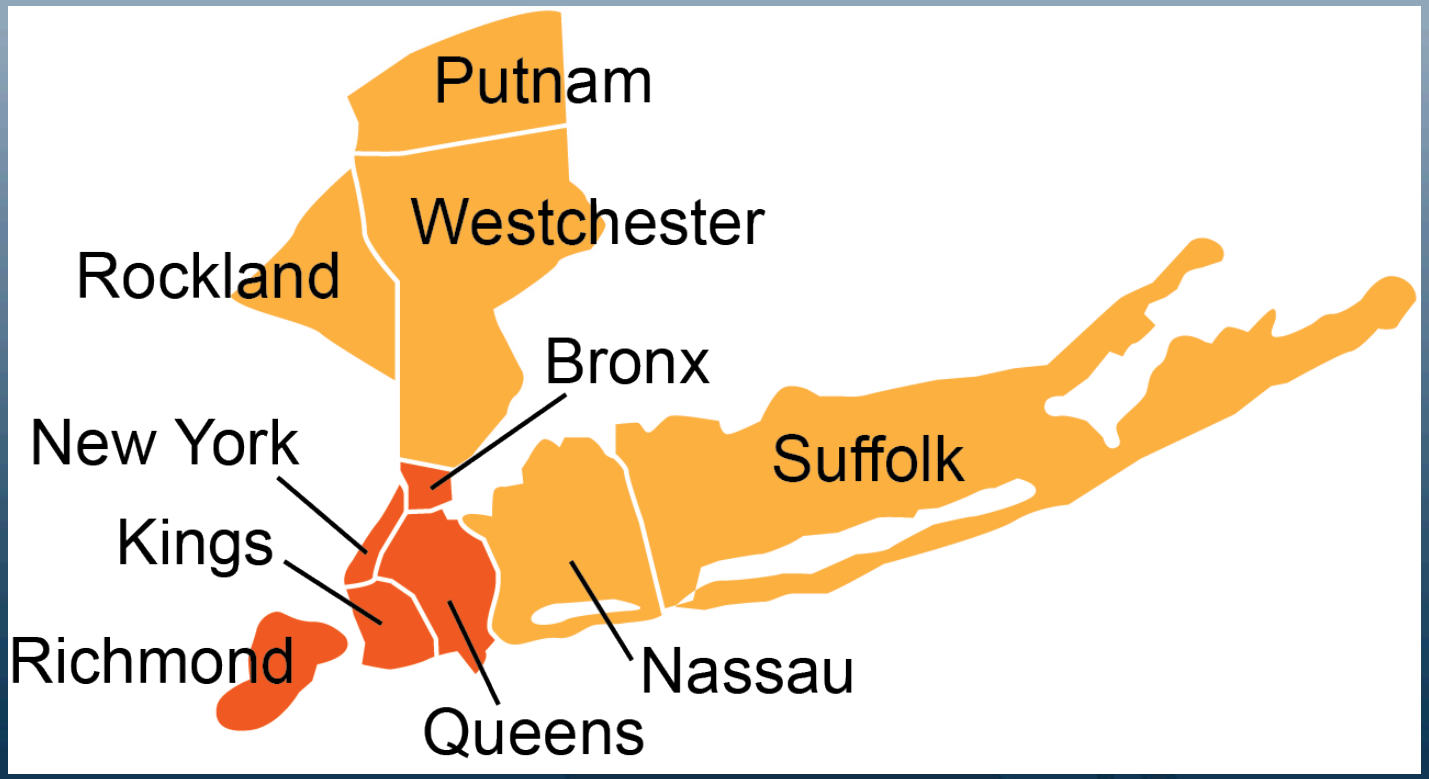
  OR

  - 85 % of VMT must be within the Non-attainment Areas of Bronx, Kings, New York, Queens, Richmond, Nassau, Putnam*, Rockland, Suffolk, and Westchester counties, and operate within Hunts Point and/or Port Morris at least three times per week

*Putnam County is in Nonattainment for Ozone only

Vehicle Miles Traveled (cont.)

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

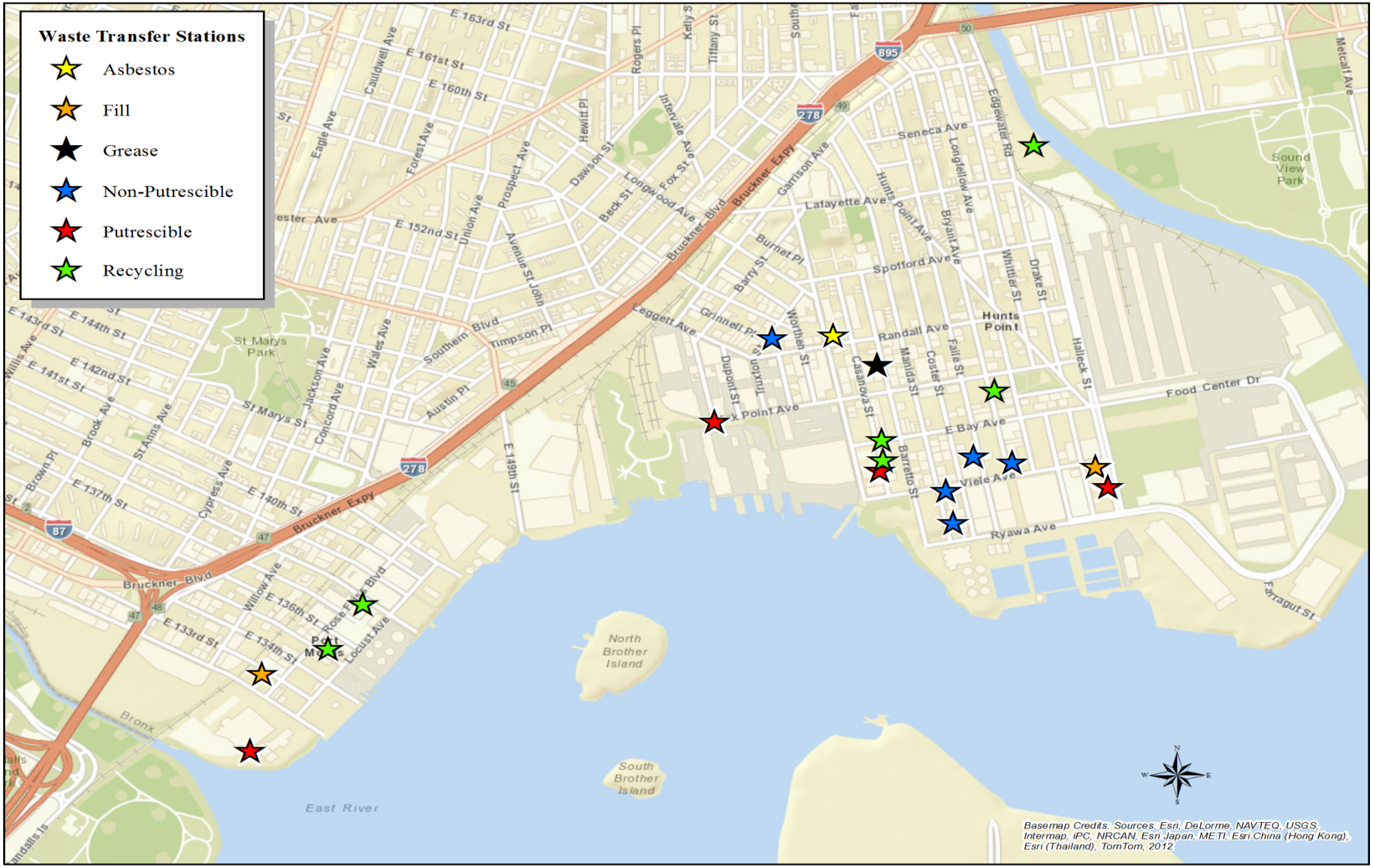


Red = 60 % of vehicle miles traveled & visit HP/PM 2 times per week
Orange = 85% of vehicle miles traveled & visit HP/PM 3 times per week

*** Putnam County is in Nonattainment for Ozone only.**

HP/PM - Waste Transfer Stations

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx



Clean Truck Technology

Requirements

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- **Vehicle Replacement**
  - Must meet 2010 EPA emissions standards (Diesel, Diesel Hybrid, BEV, and CNG)
  - Must be purchased through dealer in program's Vendor Network
  - Must adhere to the Federal Highway Administration's Buy America Provision
- **Exhaust Retrofit Technologies (EPA/CARB Verified)**
  - Level 1 or Level 3 (Technology assessment required)
  - Trucks with Engines Model Year 1994 to 2006
  - Must be installed through OEM in program's Vendor Network

Scrappage & Retrofit Requirements

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- Mandatory Scrappage for Diesel to Diesel Replacement
- Mandatory Scrappage or Retrofit for Diesel to Alt. Fuel Replacement for a Truck with Engine MY 2006 or Older

Program Options

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- Voluntary Scrap Program
- Exhaust Retrofit Technologies
- Diesel to Diesel Replacement
- Diesel to Alternative Fuel Replacement (Diesel Hybrid, CNG, BEV)

Voluntary Scrap Program

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Vehicle Eligibility

- Voluntary scrap of older truck
- Class 3 to Class 8 diesel truck with engine Model Year (MY) 2006 and older

Rebate Amount

- Receive from $2,500 to $5,000 to scrap your older truck
- Rebate funding amount varies by vehicle class
- No additional obligations to program

Exhaust Retrofit Technologies

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

* ***100% Rebate for Technology and Installation***

Diesel Oxidation Catalyst (DOC)

- Level 1 Technology
- Reduces Particulate Matter by 25%
- Class 3 to Class 8 Diesel Truck
- Truck with Engine Model Year 1994 to 2003

Diesel Particulate Filter (DPF)

- Level 3 Technology
- Reduces Particulate Matter by 85%
- Class 6 to Class 8 Diesel Truck
- Truck with Engine Model Year 1994 to 2006
- Exhaust Temperature Data Logging Required
- Regular Maintenance Required

Rebate Amounts

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Vehicle Class (GVWR)	Scrap Only	2010-Compliant Diesel Rebate Amount for Engine 2003 or Older	2010-Compliant Diesel Rebate Amount for Engine 2004 to 2006	Diesel-Electric Hybrid Truck Rebate Amount	Compressed Natural Gas Truck Rebate Amount	Battery Electric Truck Rebate Amount
Class 3 (10,001 – 14,000 lbs.)	$2,500	$12,000	$15,000	N/A	$25,000	$60,000
Class 4 (14,001 – 16,000 lbs.)	$3,000	$13,000	$17,000			
Class 5 (16,001 – 19,500 lbs.)	$3,500	$15,000	$19,000	$40,000	$40,000	$65,000
Class 6 (19,501 – 26,000 lbs.)	$4,000	$20,000	$24,000			
Class 7 (26,001 – 33,000 lbs.)	$4,500	$21,000	$26,000	$48,000	$48,000	$70,000
Class 8 (33,001 lbs. or greater)	$5,000	$34,000	$43,000			N/A

Submit Your Application

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

There are 3 Ways to Submit Your Application

- Email: hpctp@tetratech.com
- Fax: (212) 244 – 8536
- Mail: Hunts Point Clean Trucks Program

  505 8th Ave, Suite #2503

  New York, NY 10018 – 4505

Vendor Network

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

- There are 49 Approved Vendors in the Network including:
  - Dealerships
  - Scrap Yards
  - Exhaust Retrofit Vendors

If You are Interested in Becoming an Approved Vendor:

- Email: hpctp@tetratech.com
- Call: 877.310.2733

Program Progress

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Hunts Point CTP Launch - January 2012

Program Progress

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

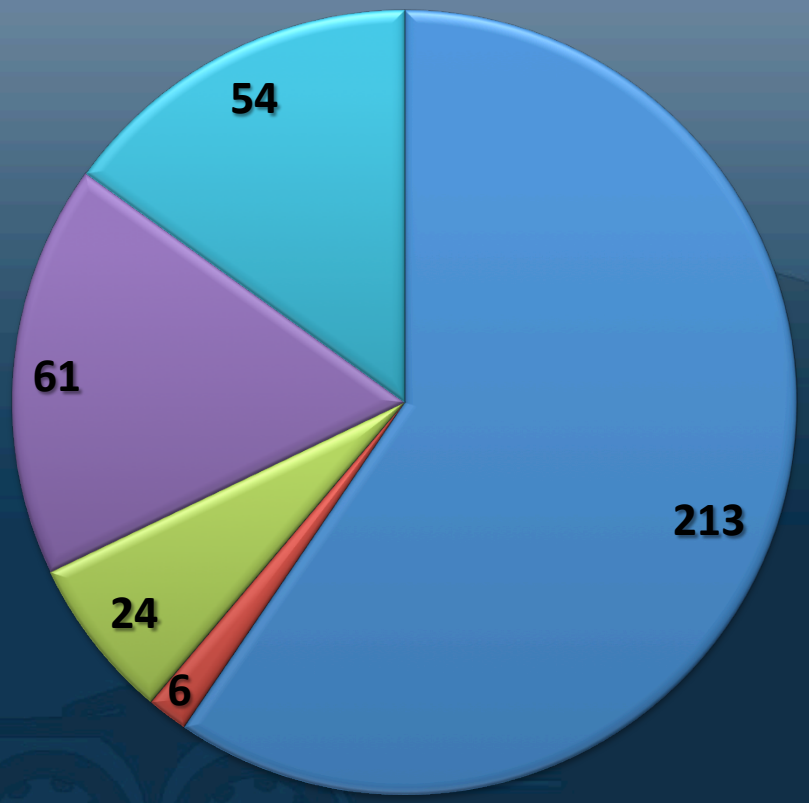
Funded and Ordered

Program Progress

Hunts Point CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Total Number of Qualifying Trucks as of February 2014

Replacement, Retrofit, Scrappage Only, Ordered, Pipeline



- Funded Replacement
- Funded Retrofit
- Funded Voluntary Scrappage Only
- Ordered
- Pipeline

Funded Replacements: 213
Diesel: 181
CNG: 25
Hybrid: 7

Total: 358 trucks

Estimated Fuel and Cost Savings for 2010 U.S. EPA Compliant Truck

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Class	Annual Fuel Savings* (gal/year)	Cost Savings**
5	367.2	$1,571.62
6	828.9	$3,547.69
7	909.0	$3,890.52
8	2500.0	$10,700.00

* Annual fuel savings assume the trucks will have the same annual VMT based upon the U.S. EPA DEQ default values.
**The average cost for diesel fuel on February 4, 2014 was $4.28/gallon (per http://www.eia.gov/petroleum/gasdiesel/).

Emissions Results Summary

As of February 2014

Hunts Point CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

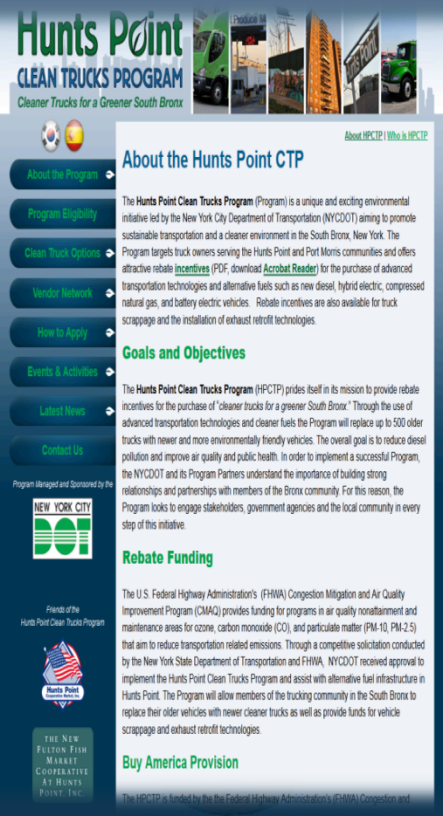
Measured in Short Tons

Annual	NO_x (short tons/ year)	$PM_{2.5}$ (short tons/year)	HC (short tons/year)	CO (short tons/year)	CO_2 (short tons/year)
Percent Reduced (%)*	87.6%	97.2%	86.9%	80.6%	11.4%
Amount Reduced/Year	138.7	7.7	10.1	48.4	2,181.1

*As of February 2014, the HPCTP has achieved the above emission reductions through the replacement of 213 replacements, 6 retrofits, and the voluntary scrappage of 24 trucks.

Thank You!

Hunts Point
CLEAN TRUCKS PROGRAM
Cleaner Trucks for a Greener South Bronx

Helpline: 877.310.2733

www.huntspointctp.com