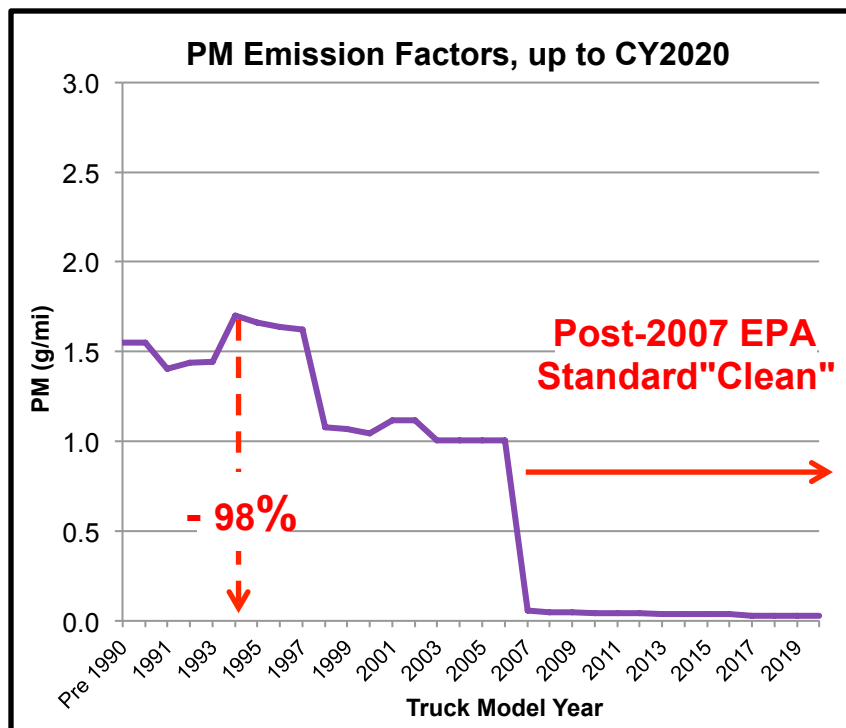


TRADE WASTE VEHICLE EMISSIONS REDUCTION – LOCAL LAW 145

Commercial Refuse Truck Workshop

February 27, 2014

In December 2013, Mayor Bloomberg signed LL 145 which requires all operators of heavy duty trade vehicles (>16,000 lbs) to meet the 2007 federal emissions standard by 2020



Graph Adapted "New York City Commercial Refuse Truck Age-out Analysis, 2013"

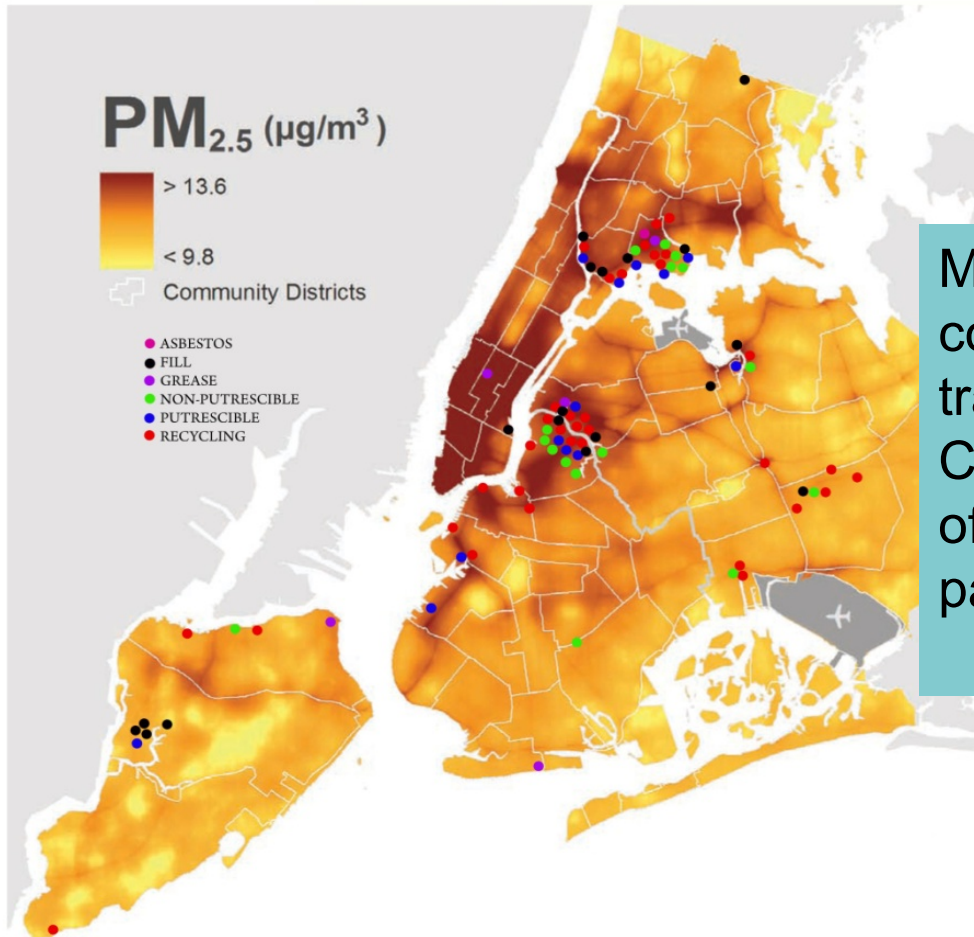
Improve Air Quality for All New Yorkers

Why LL 145 matters

- Air quality remains a critical public health goal where the city and private sector can contribute to key quality of life improvements.
- Heavy duty diesel emissions are proven drivers of PM & NOx, which are contributors to respiratory and cardiovascular disease and strain our local health system. NYC has some of the nation's highest asthma rates.
- PlaNYC set an aggressive agenda to improve air quality and public health and pushed policies that have contributed to the cleanest air in NYC in 50 years.
- 2007 or newer engines reduce up to 85 – 95% of emissions:
 - City-owned Heavy Duty vehicles will meet the same standard by 2017

Improve Air Quality for All New Yorkers

Figure 7. Map of estimated PM_{2.5} concentrations, summer 2009.



Maps show distribution of commercial waste transfer facilities in the City and concentrations of elemental carbon and particulate matter.

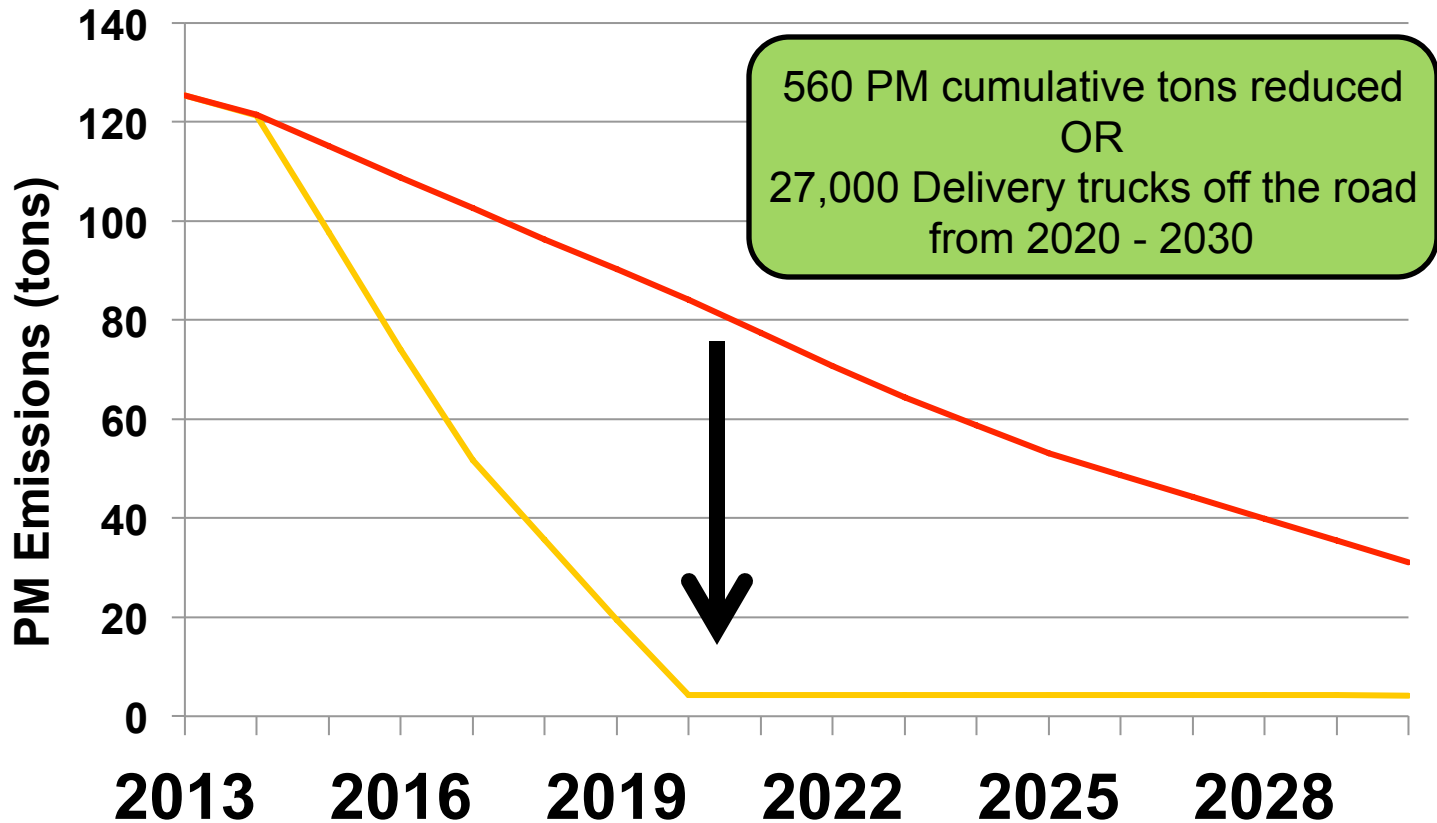
See Technical Appendix (www.nyc.gov/health/nyccas) for calculation methods.

* Adapted from the New York City Community Air Survey, 2011

How are we doing this?

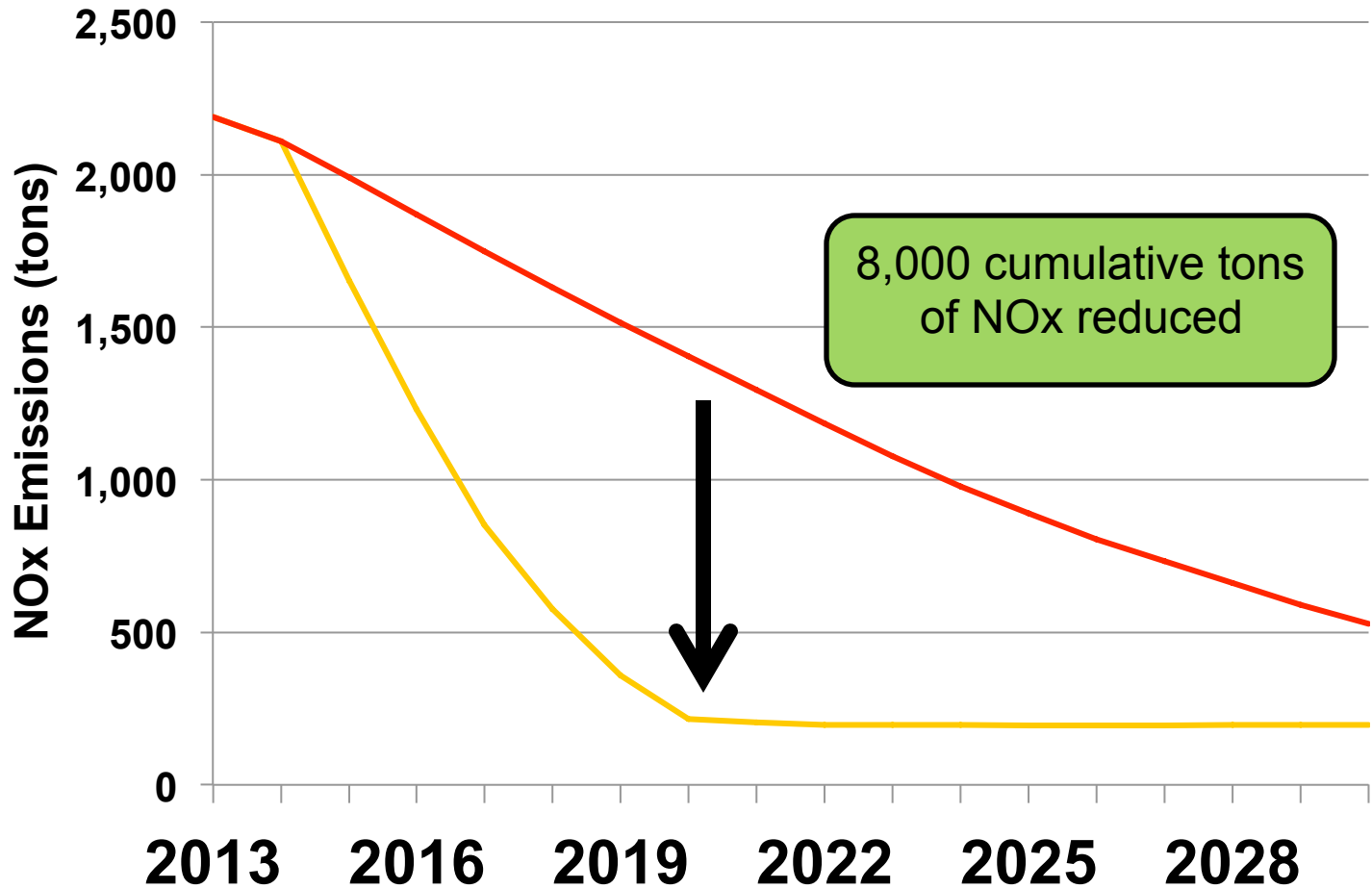
- 2020 gives a implementation timeframe for engines 2006 or older
- This new policy will be an important part of BIC's licensing requirements with waiver provisions until 2025
 - 800+ trade waste companies subject to mandate
- DEP Commissioner will pass rules on compliant technology

“LL 145” PM Reduction Relative to Status Quo



Adapted from "New York City Commercial Refuse Truck Age-out Analysis", 2013

“LL 145” NOx Reduction Relative to Status Quo



Adapted "New York City Commercial Refuse Truck Age-out Analysis, 2013

We Want To Help

- Technical Workshops
- NYT –VIP & HPCTP Incentive Program
- Industry Resources
- Tell us what you need!

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