

Freight rail emissions and noise in NYC from 1970's locomotives



9-15-23
New York & Atlantic Railway
locomotive, Queens, NYC

7-10-22
LIRR work train, Queens, NYC



Emissions from waste export by rail



Emissions from waste export by rail

Eastbound Train

Westbound Train

Railroad emissions: a big problem

Example: 1.7 million people live within 1 kilometer of C&D-by-rail in Suffolk, Nassau, Queens, Bronx

To Selkirk Yard (Albany)
and Ohio via CSX

EC Region 3

Environmental Transload Services
(Tunnel Hill Partners)
- Oak Point Yard

Farmingdale Yard
Coastal Distribution
(Tunnel Hill Partners)

Omni Brentwood Rail Transfer
(Tunnel Hill Partners)

Winters Brothers
Systems of Logistics
- Brookhaven Rail



Locations of C&D export rail transfer stations and holding yards

- Tunnel Hill Partners ETS Facility
Uses sealed containers for shipping C&D
- Existing facilities
- Proposed facilities

Locations of NYC MSW rail transfer stations and holding yards

- Waste Management - DSN
Uses sealed containers and Near Zero Emissions Tier 4 locomotive
- Area in yellow carries C&D

10/26/2023

"TAKE IT BACK, NEW YORK. WE DON'T WANT IT!"

Sunny Farm Landfill Complaint Group

Fostoria, Ohio

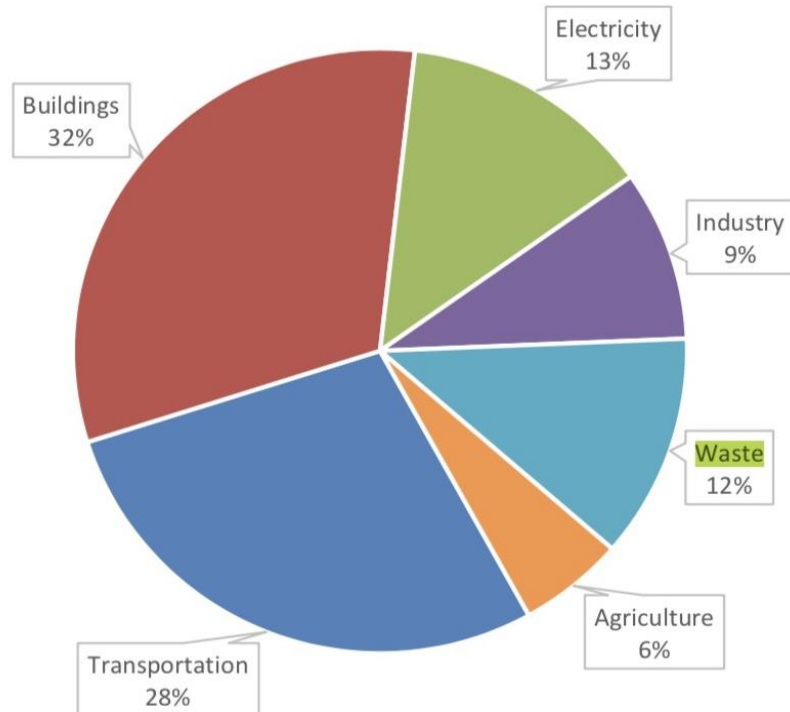


Kim J Haynes Mccray ▸ Sunny Farm Landfill complaint group

May 17 at 9:21 AM · 🌐

Waiting on train on Rt 224. This is all the trash waiting to get into dump, look how far it goes, TAKE IT BACK NEW YORK WE DONT WANT IT!!!!!!

Figure 2. 2019 New York State GHG Emissions by Scoping Plan Sector



NYAR & LIRR emissions (@40 1970's freight locomotives)

- **Lack of railroad investment in Tier 4 or cleaner locomotives**
- **Lack of EPA, US DOT tracking, regulation, enforcement**
- **Pollutants of Concern in community & workplace air**
- **NOx like 1.2 million cars**
- **Climate change impacts**

Locomotive noise & vibration

- **Lack of railroad investment in safer, cleaner operations & technologies**
- **Engine noise, bells, whistles, kicking cars = unhealthy night time noise**

Waste export by rail

- **Lack of true public cost accounting**
- **Lack of public protections & regulation rewards lack of investment in cleaner, safer technologies**
- **Lack of urgency & cost justification for cleaner rail and Zero Waste**
- **Waste Sector emits 12% of NYS's total GHG emissions**

= Adverse environmental, health & quality of life impacts for workers & residents

Advocacy & Action... New York State

- **A4928/S2022 covering rail cars of waste signed into law 10-2-23**
- **Executive Order 22 "Leading by Example"**
- **\$25M for Tier 4 locomotive repowering**
- **Climate Leadership & Community Protection Act**



Advocacy & Action...



- **KEYSTONE: Starting 2030, locomotives must be less than 23 years old**
- **Hefty trust accounts that fund cleaner emissions**
- **Deadlines for new locomotives to operate Zero Emissions**
- **All locomotives register & report activity, idling, emissions**
- **Alternative options/timelines to achieve Zero Emission fleets**
- **Rule approval request submitted to EPA (approved, then NYS adopts)**

10/26/2023

Federal Advocacy & Action

- US EPA DERA Grant
- EPA charge to Mobile Sources Technical Review Subcommittee
- Senator Markey's July 26, 2023 hearing
- Railway Safety Act
- Congress Member Nydia Velázquez
Community Advisory Group with FRA



Advocacy & Action... NYC & CUNY

- **A single Tier 4 locomotive**
- **Air quality monitoring, Queens College Barry Commoner Center for Health & the Environment**
- **Zero Waste legislation & curbside organics collection**
- **Solid Waste Advisory Boards: Queens, Brooklyn, Manhattan, Bronx**



**TSI DustTrak
Environmental
Monitor Model 8543: PM1,
PM2.5, PM4, PM10, TSP -
Lufft Model WS500
weather station - Netronix
communication system**



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