



HUNTS POINT SOLAR & BATTERY POWERED REFRIGERATED TRAILERS PILOT PROJECT

Hunts Point, the Bronx, NY

In partnership with the New York State Energy Research & Development Authority (NYSERDA), a coalition of businesses and organizations led by Convoy Solutions are launching a pilot project to deploy solar and battery powered refrigerated trailers at the Hunts Point Produce Market in the environmental justice community of the South Bronx in an effort to reduce idling, cut greenhouse gas emissions and help improve local air quality. This project is also intended to support New York's bold greenhouse gas emissions reduction and economic expansion goals.



SNAPSHOT OF THE SOUTH BRONX



Levels of PM2.5, a harmful air pollutant produced from diesel emissions, in the Hunts Point area measure at 8.5 mg per cubic meter—the highest levels in all the Bronx.



Asthma rates in Hunts Point among children and adults, as well as hospitalizations, are nearly double the citywide rate. Asthma can often be attributed to poor air quality.



The Hunts Point Food Distribution Center is the largest food distribution center in the world, moving 4.5 billion pounds of food annually, nearly all transported by diesel trucks and trailers.



PILOT PROJECT DESCRIPTION

Currently, the method of cooling refrigerated trailers at the Hunts Point Food Distribution Center, which includes the Hunts Point Produce Market, is to use diesel engines. **Diesel engines frequently lack emissions control devices and release more NOx and other harmful particulate matter into the environment than even the main engine of a truck.** The refrigerated unit is required to operate to maintain safe temperature for food storage, whether or not the truck is on the move. Solar and battery technology is at a point where zero-emission electric trailers are a logical, healthier replacement to diesel trailers for certain operational scenarios. At a distribution center like the Hunts Point Produce Market where most trailers do not leave the premises, electric alternatives to diesel are a common sense alternative. Through this pilot project, **we hope to establish the feasibility and cost-effectiveness of cleaner and more efficient alternatives to diesel-powered refrigerated trailers.**



For more information, please contact
Yale.Klat@convolutions.com

Email: yale.klat@convolutions.com
Telephone: (646) 481-6684
1231 Lafayette Ave, Floor 2, Bronx, NY 10474
www.empirecleancities.org/huntspointsolar