

# **NYCT Trash Can Free Stations Pilot Update**

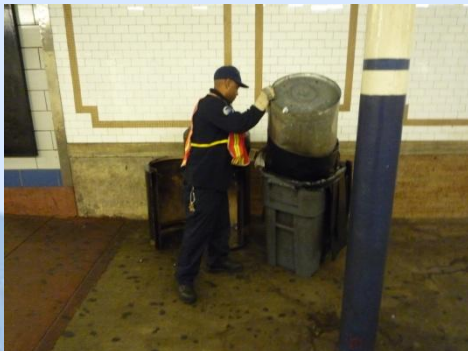
Station Environment & Operations  
January 2014



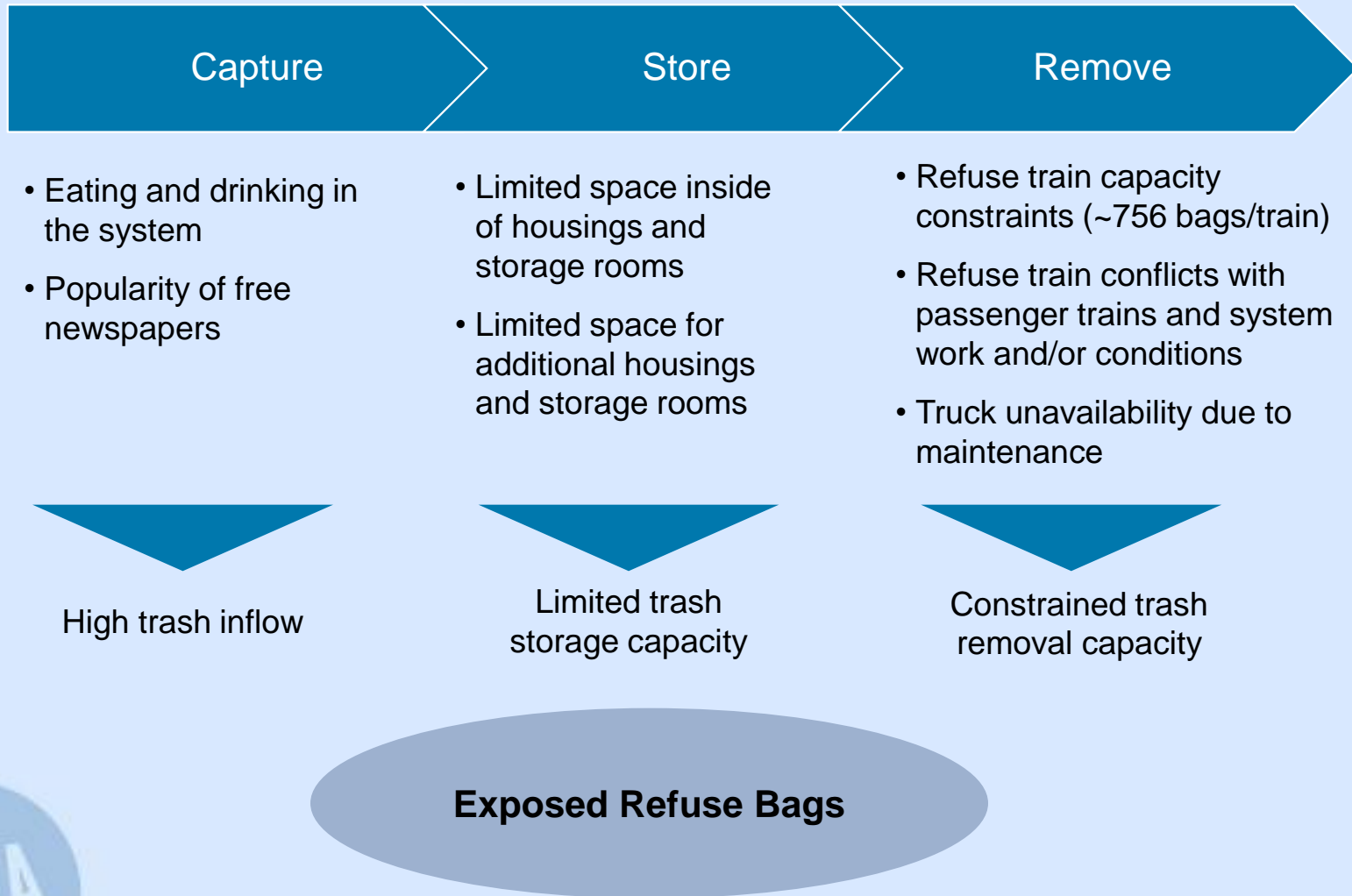
# Subway station refuse collection is a significant 24/7 operation



- ~14,000 tons of refuse captured annually (~40 tons per day)
- ~7,000 tons recycled
- Most of the 3,500 refuse receptacles are emptied 3 times a day
- 210 stations have housings on platforms for refuse storage
- 257 stations have dedicated refuse rooms
- Stillwell Avenue-Coney Island is equipped with a compactor
- 11 refuse trains cover 359 stations totaling 567 stops\*
- 11 refuse trucks\*\*
- 3<sup>rd</sup> party collection from yards and transfer points and post-collection sorting of recyclables



# Challenges in stations refuse flow contribute to refuse bag exposure



# Overflow of refuse in stations is a real impact to customer experience

## Observations

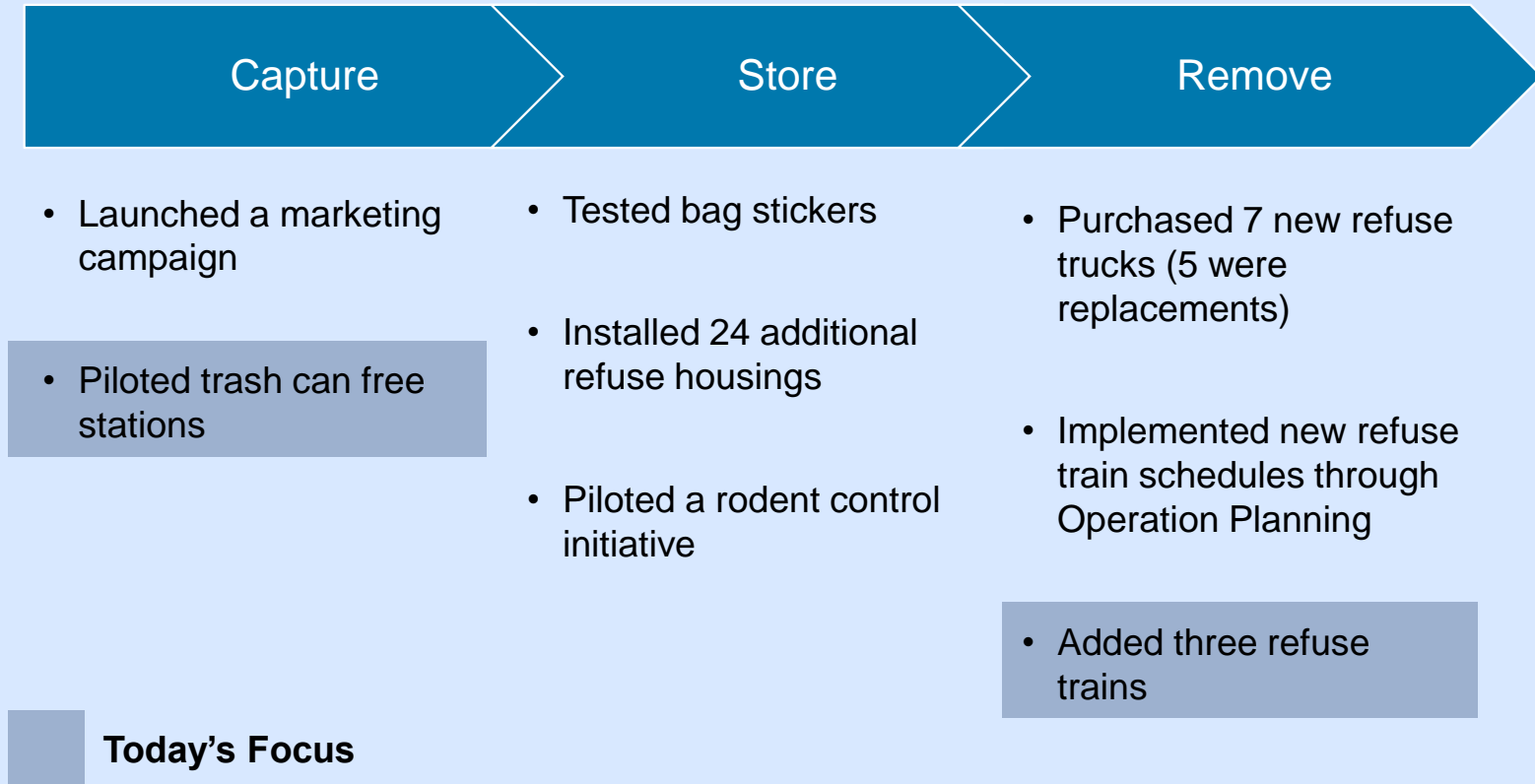
- Unsightliness and malodor of trash bags stored on platforms
- Customer complaints of encounters with rodents
- Customer perception of health and safety hazards

## Problem to be solved

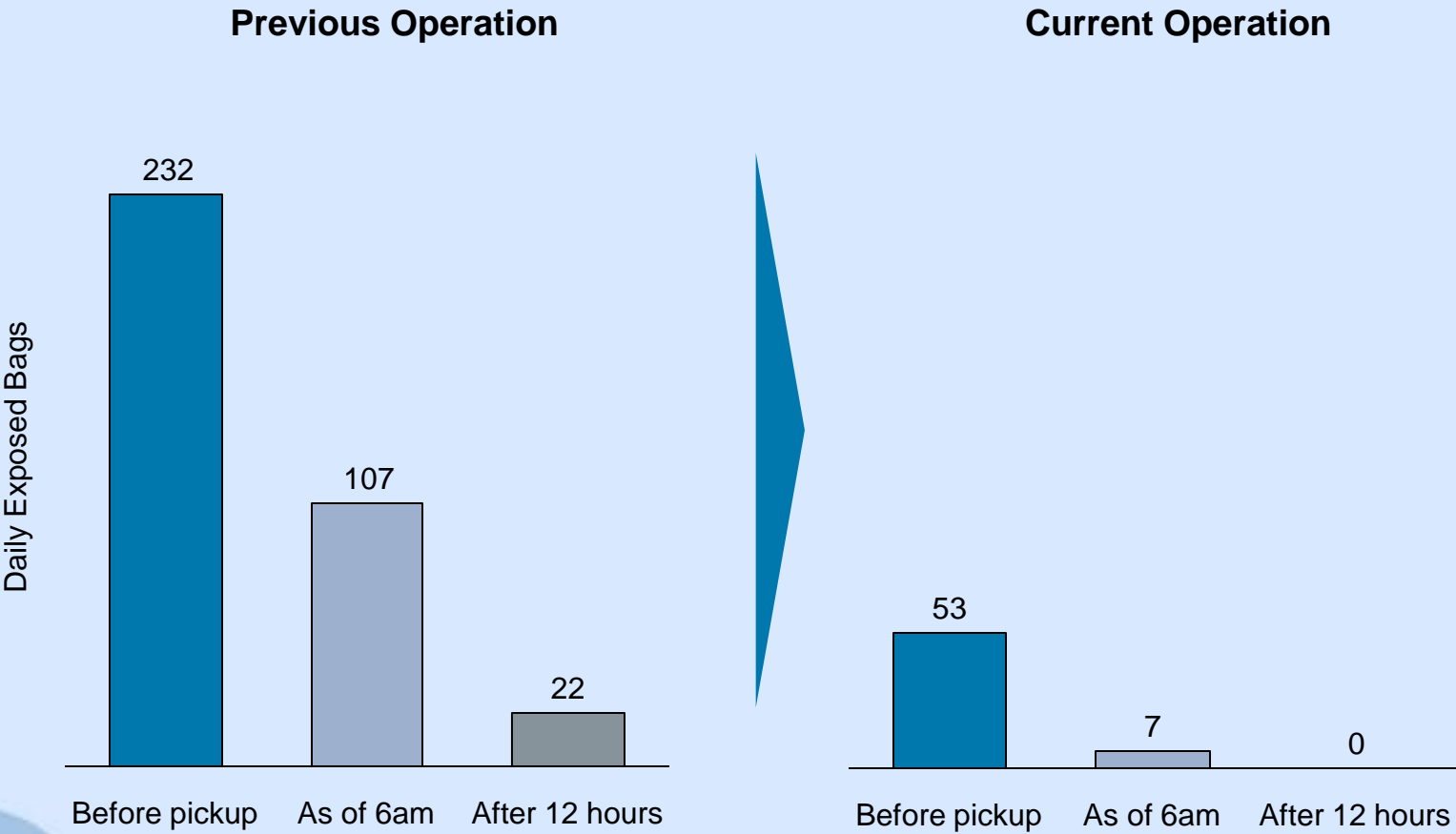
How do we minimize poor customer experiences of exposed garbage in stations and eliminate the accompanying presence of rodents?



# NYCT has taken additional steps to improve refuse overflow at stations



# Adding refuse trains has reduced exposed bag volume at stations



# Removal of trash cans from pilot stations has reduced trash volume with minimal offsetting impacts

## 10 Piloted Stations

Pilot started  
October  
2011

- Main Street (7 Line, Queens)
- 8 Street (R Line, Manhattan)

Pilot started  
September  
2012

- 238 Street (1 line, Bronx)
- E. 143 Street (6 line, Bronx)
- 57 Street (F line, Manhattan)
- Rector Street (1 line, Manhattan)
- 7 Avenue (F/G lines, Brooklyn)
- Brighton Beach (Q line, Brooklyn)
- 111 Street (A line, Queens)
- 65 Street (M/R line, Queens)

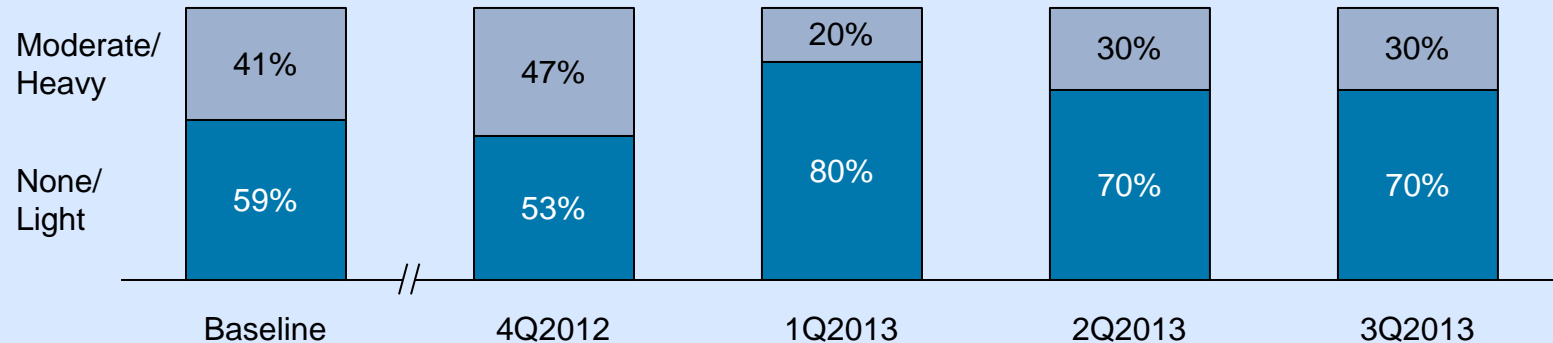
## Pilot Results

- Bags collected reduced by 66%
- Bags collected from tracks increased by 3.2%
- Track fires remained consistent with system averages
- Rodent population decreased or remained unchanged
- PES Scores fell slightly initially but rebounded to pre-pilot levels
- Reduced bags allowed already present station cleaners to expand other cleaning efforts

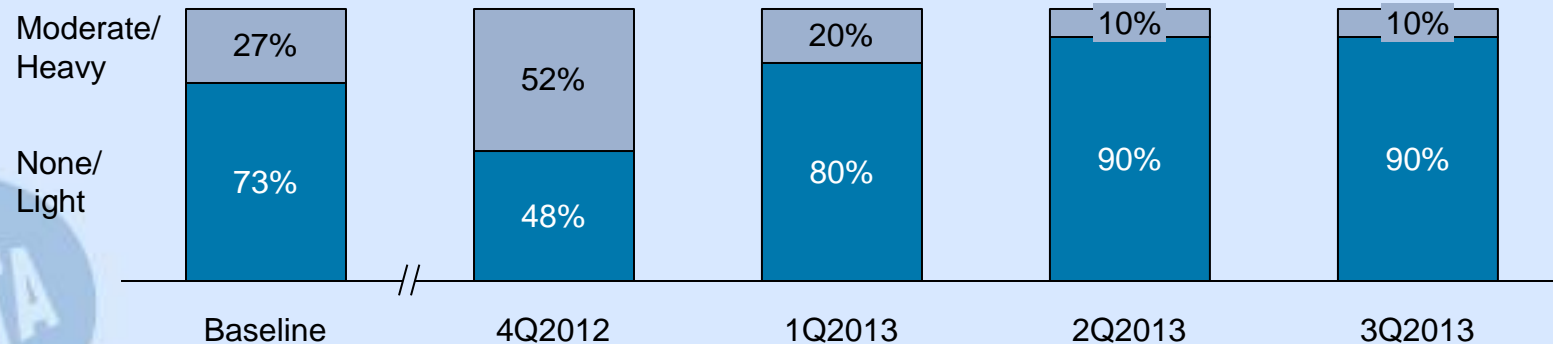


# The appearance of moderate/heavy litter in pilot stations has decreased

Surveyed Daytime Presence of Litter<sup>1</sup>, Pilot Stations





Surveyed Overnight Presence of Litter<sup>1</sup>, Pilot Stations



1 – Survey included all components of stations (mezzanine, passageway, platform, stairways and trackbed)



# Proposal for moving forward:

- Continue pilot for existing 10 trash can free stations
- Expand pilot to an additional 29 stations on the  and  lines
  - Establish baseline conditions at selected stations
  - Monitor trash collection and station cleanliness
  - Increase track cleaning frequencies to reduce the potential for track debris fires

