

San Francisco Upgrades MRF and Collection Program

Jack Macy, NCRA Recycling Update 2018



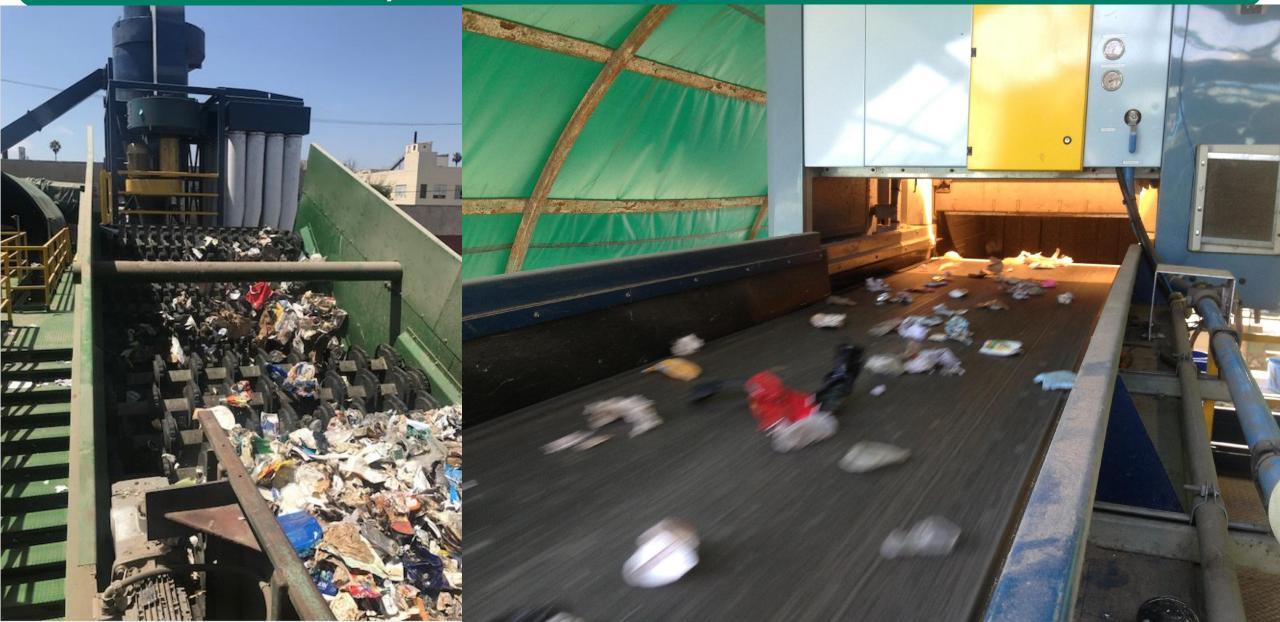


San Francisco Recology Recycle Central MRF from 2002





Titus LA Secondary MRF Recovers 1st MRF Residuals





Recology Recycle Central MRF Upgrade 2016 & 2017





Recology MRF Upgrade: Drum Feeder



MRF Upgrade: Longer Presort Conveyor with 14 stations



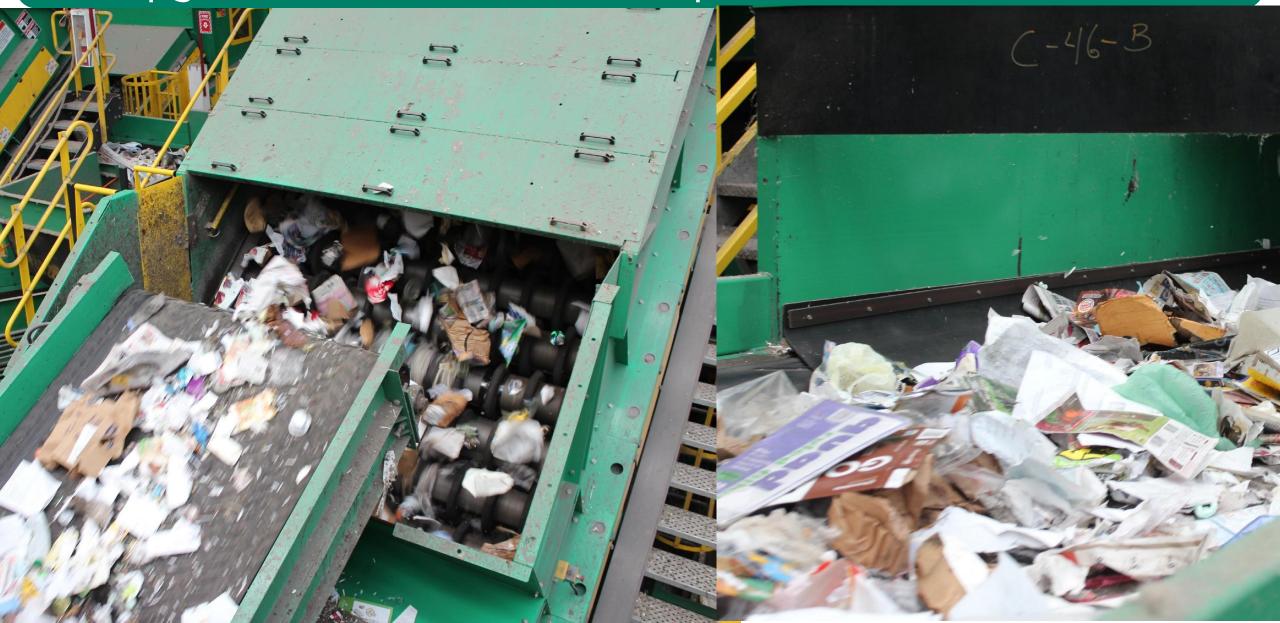


MRF Upgrade: OCC Screen





MRF Upgrade: 4 Fiber Screens in 2 parallel sets





MRF Upgrade: Conveyors and QC lines



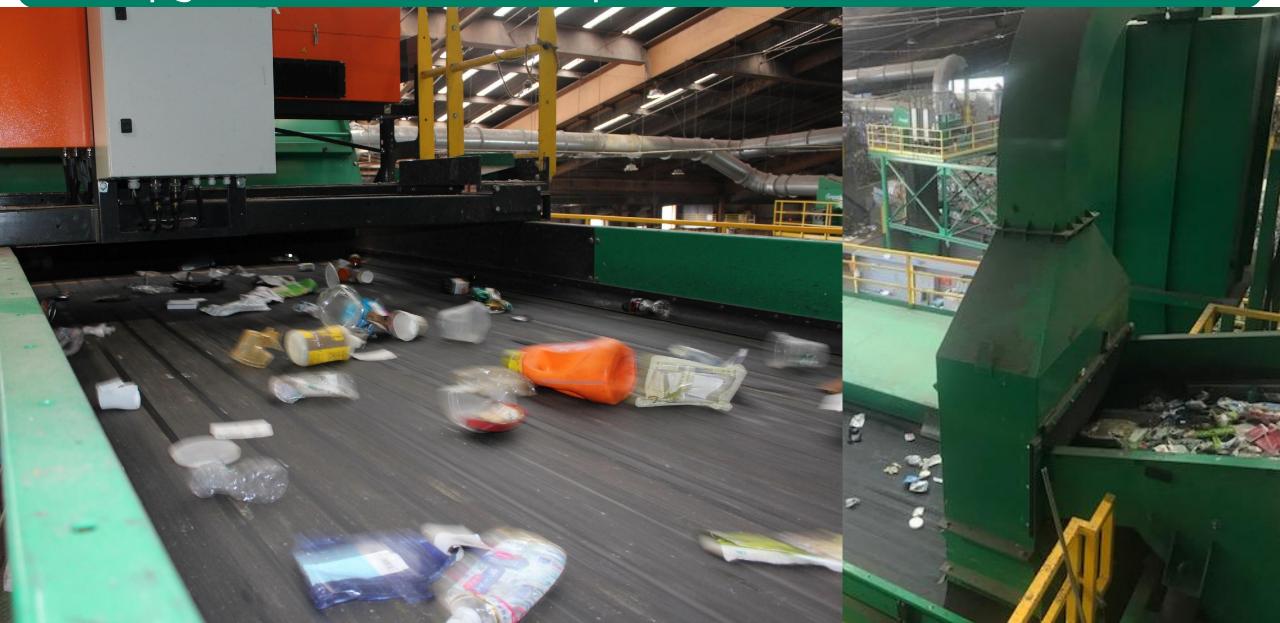


MRF Upgrade: Expanded Glass Cleaning System





MRF Upgrade: 2 Additional Optical Sorters





Upgrade goal: increased recovery and reduce residual

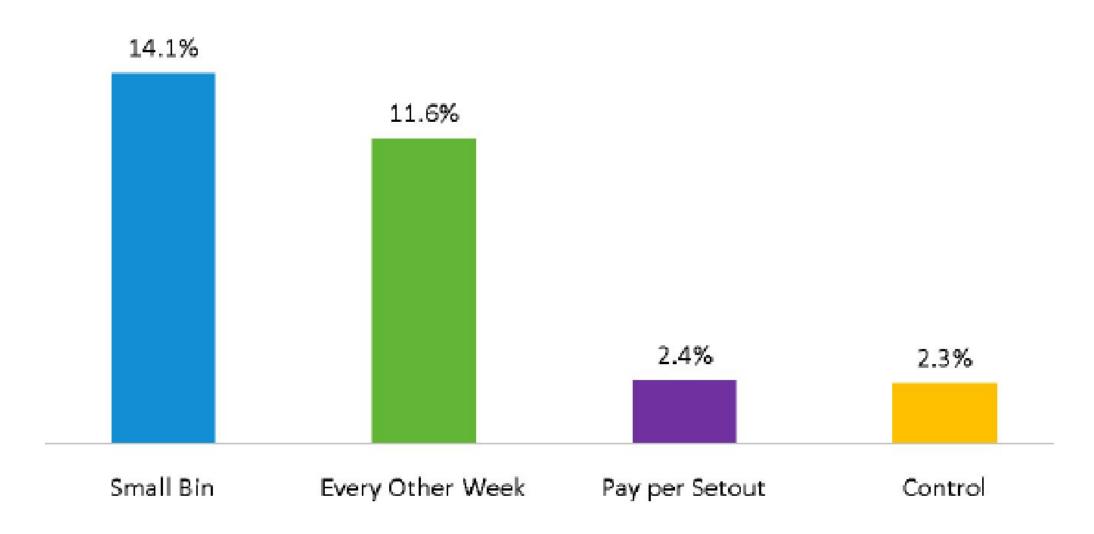






3 Collection Program Changes Tested To Reduce Trash

Increase in Diversion % by Test





Changes in What Bins Materials Go



NEW



Updated Recycling Bin Signage







Empty cartons, cardboard, and paper cups 乾的紙盒、紙板和紙杯 Recipientes secos de cartón, cartón y vasos de papel

回收

Plastic Plástico



RECYCLE

玻璃 Glass **Vidrio**



All colors of glass containers 各種顏色的玻璃容器 Recipientes de vidrio de todos los

RECICLAR



Small aluminum, tin, and steel items 小的鋁、錫和鋼製品 Artículos pequeños de aluminio, latón 所有塑料袋都放在

个袋子裡

Bagged soft plastics Bolsas de plástico en una bolsa

Put all dean plastic bags and wrap inside one bag.

將所有乾淨的塑膠袋和包裝紙放進 袋子裡。

Meta las bolsas limpias y plástico elástico para envolver, dentro de una bolsa.



O SFRecycles.org







Updated Recycling Bin Signage



堆肥

COMPOST

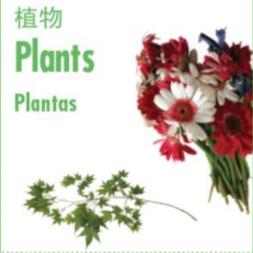
COMPOSTAR



Includes meat, bones, shells, and peels 包括肉、骨頭、殼和果皮 Incluso carne, huesos y cáscaras



Takeout containers and paper plates 外帶盒和紙盤 Recipientes para llevar comida y platos de panel



Flowers, leaves, branches, and weeds 花、葉子、樹枝和雜草 Flores, hojas, ramas y hierbas



Respect resources, use sparingly 珍惜資源、謹慎使用 Respete los recursos, úselos con moderación 可分解的塑膠製品 Compostable

Compostable plastics

Plásticos compostables



Item must be labeled "compostable" or BPI 物品必須標有 "compostable" (可分解)或 BPI El artículo debe estar rotulado como "rompostable" o BPI









New Dedicated Website: SFRecycles.org



SF Recycles

Español 中文 English

Q Search



Recycle

- Recycle even more!
- < Paper
- < Cardboard
- < Metal
- < Plastic
- < Glass



Food scraps >



Pull Down Tabs, For Example: What's New in the Blue



Recycle

▼ Recycle even more!



Plastic bags, plastic wrap Bundle clean, dry plastic inside one plastic bag.



Paper coffee cups (empty) Recycle empty cup, sleeve, and plastic lid.



Milk cartons, juice cartons (empty)



Ice cream containers

Compost

- Food scraps >
- Food containers >
 - Dirty paper >
 - Yard waste >
 - Wood >
- Organic material >









National Sword Hits: More Residual, Upgrades & Outreach







Recology Customer Newsletter on Stricter Standards

Check out the City's new website: SFRecycles.org

RecologySF.com

Recology Sunset Scavenger and Recology Golden Gate, your local recycling companies

Recycle | Compost

January - March 2018

China tightens recycling import rules

of cities in China with air pollution so bad citizens have resorted to wearing masks. To help improve the environment, the Chinese government recently implemented new rules severely restricting the import of recycled plastics and recycled paper.

With the paper mill industry declining in the US, we have been shipping much of our baled paper to China, where high-quality recycling is made into products such as cereal boxes and shipping cartons.

Historically, China has accepted 4 to

US recycling businesses will need to more stringently sort the waste they collect, and households will have to do a better job.

-Wall Street Journal

"Slow down a little

participate in the green bin composting collection program. When we separate banana peels, coffee grounds, and foodsoiled paper, they do not touch recycled paper. This keeps recycled paper dry and clean and helps San Francisco comply with China's new quality requirements.

MEETING THE CHALLENGE

The City and Recology are taking the challenge to reduce impurities in our recycling bales head on.

We invested \$11 million upgrading Recycle Central in 2016 and will invest another \$3 million this year. This is



SFEnvironment.org

Thank You

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SF Environment

Our home. Our city. Our planet.

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A Department of the City and County of San Francisco

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