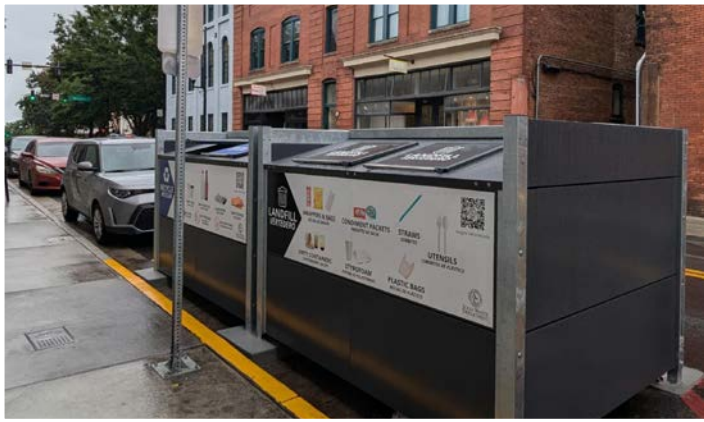


metroSTOR®

Waste & Recycling Infrastructure

Waste & Recycling Infrastructure

Edition 5. 2024

Based in Hartford CT and serving municipalities, private sector organisations, public housing and educational facilities across North America and Canada with our regional service partners, metroSTOR provide an end-to-end package including consultancy, manufacturing, installation and maintenance of your zero-waste recycling infrastructure.

metroSTOR Waste & Recycling Infrastructure

metroSTOR product systems influence how people respond to waste and recycling initiatives; reducing inequity at the point of generation and making it as easier for everyone to increase the diversion of eligible waste from garbage, for reuse, recycling or composting.

Our partnerships deliver consistent waste and recycling infrastructure for city authorities, developers, corporate campuses, and universities, from multifamily residential, street corridor and public spaces, to convenience centres, everywhere from dense urban cities to isolated rural communities.

metroSTOR 5C methodology considers specific elements of capacity, convenience, communication, consistency and cleanliness to deliver containerization solutions that address waste diversion and contamination targets alongside the provision of genuine qualitative improvements in the local community.

With decades of experience in containerization solution strategy and execution for challenging environments, the metroSTOR team deliver proven waste diversion products and services across North America.

Developed to withstand the rigours of the urban street scene, over 15,000 metroSTOR external storage units have been installed by our UK based operation over the past decade, earning a reputation for rock-solid durability and proven effectiveness.

metroSTOR B-Series
Wheeled Dumpster Enclosures

metroSTOR B-Series is the tough, neat, customizable solution for medium-volume containerized storage of solid waste between collections.

Manufactured in 8 model sizes, metroSTOR BC units fit 65 to 95 gallon carts and BD units the wheeled dumpsters from 2 to 4 yd. The cart or dumpster is enclosed with the lid open (or removed) so that trash or recycling is placed 'touch free' into the open container through the front-loading door. Trash collection crews access the unit via dual service doors fitted with slam locks for easy transfer of dumpster to garbage truck.

The central door opening with floor-mounted guide bars for the dumpster and internal deflector plates keeps trash in the dumpster and not on the floor, minimizing issues with rodents and scavenging birds. Customized waste diversion is easy with metroSTOR B-Series, with its color-coded panels, clear recycling graphics and options to add waste stream apertures that restrict items placed in the dumpster.

For drop off sites where co-located trash and recycling is required, metroSTOR B-Series can be specified to form a series of enclosures and adjustable base plates mean the units can be stepped in height for uneven surfaces.

With over 20,000 units in service, metroSTOR products deliver reliable waste and recycling infrastructure and the 12 month manufacturer's warranty is backed on site by our service partners to ensure metroSTOR installations can be maintained in service for the long term.

Clean Space Styling
Wrap around steel panels, color coded graphics for clear recycling messages

Touch Free Use
Dumpster is enclosed in the open position for touch-free deposit of recycling or trash

12 Month Warranty
All-steel construction with tough, multi stage pre-treatment and color coated finishes

Built Tough
Welded subframe assemblies, riveted steel panel systems and cast steel door hinges

Welcome To The metroSTOR Family
Consistent, customizable enclosure design series from small carts to large dumpster.

Maximize Waste Stream Diversion
Front-load enclosure design with options to restrict dumpster access for recyclable materials.

Co-Locate Trash & Recycling
Clear graphics and symbols for waste diversion at source.

Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	ADA Compliance	Depth (Inches)	Width (Inches)	Height (Inches)	Door Opening Width (Inches)	Door Opening Height (Inches)	Access
BC70	2x 35 gal. Carts	Dual 10x10 Front Load Aperture	✓	31.7	53	54.2	42.6	50.5	2 Doors
BC130	2x 65 gal. Carts	Dual 15x10 Front Load Aperture	✓	39.5	64.4	57.7	54	54	2 Doors
BC190	2x 95 gal. Carts	Dual 15x10 Front Load Aperture	✓	43.5	73	59.2	62.7	55.8	2 Doors
BD300	1x 1.5 yd. Dumpster	Single 33x14 Front Load Aperture	✓	*TBC*	*TBC*	*TBC*	*TBC*	*TBC*	*TBC*
BD400	1x 2 yd. Dumpster	Dual 24x14 Front Load Aperture	✓	56.7	100.8	69	90.5	63.4	2 Doors
BD600	1x 3 yd. Dumpster	Dual 24x14 Front Load Aperture		60.2	100.8	78.9	90.5	73.2	2 Doors
BD600F		Dual 24x14 Front Load Aperture		80	96	60			2 Doors
BD800	1x 4 yd. Dumpster	Dual 24x14 Front Load Aperture		68.1	100.8	84.8	90.5	79.1	2 Doors

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assemblies	HD Galvanized	A1) Anthracite Grey PPC Finish
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	B1) Color PPC Finish Options (Upper Panels Rear) B2) Omit Anti-Graffiti Hole Pattern
C) Unit Cover	Mild Steel Welded Assembly	Zinc Coat / Anthracite Grey Painted Finish	
D) Bin Container Access *(Front Load Type)*	Mild Steel Assembly / Zinc Coated Mild Steel Bezel	Zinc Coated Rectangular Front Aperture / No Insert	D1) Mixed Recycling Aperture Insert Option D2) Bottles & Cans Recycling Aperture Insert Option D3) Paper & Cardboard Aperture Insert
E) Bin Container Access *(Rear Load Type)*	*Please see page 6 for further information on our Rear Load On-Street Dumpster Enclosures*		
F) Service Doors	Mild Steel Welded Assembly / Dual Hinged Doors / HD Galv Cast Hinges / Integral Stainless Steel Drop Bolt	Zinc Coat / Anthracite Grey Painted Finish	F1) Color PPC Finish Options (Upper Panels) F2) PVC Vinyl Graphics
G) Service Door Access	Stainless Steel Square Drive Key / Slam Latch	Stainless Steel Square Drive Key / Slam Latch	

Waste Stream Graphics

Color-coding, graphics and signage customizations

Trash

Plastic

Paper, Cans & Plastic Bottles

Mixed Recycling

Glass, Cans & Plastic Bottles

Cans & Plastic Bottles

Cardboard

Custom Design

metroSTOR Dumpster Enclosure In Action
NYC Housing Authority

The Housing Authority

With over 177,000 apartments housing approximately 400,000 residents, New York City Housing Authority (NYCHA) is the largest public housing authority in North America.

Recognized as the first of its kind in the United States, NYC Housing Authority was established in 1934 as a means to help alleviate the housing crisis caused by the Great Depression. In modern times, NYCHA continues to provide affordable housing for low and moderate income city residents throughout the boroughs of New York City, in addition to enabling access to public and community services. Their housing developments include single and multi-family homes, apartments, and communal buildings.

The Public Housing Development

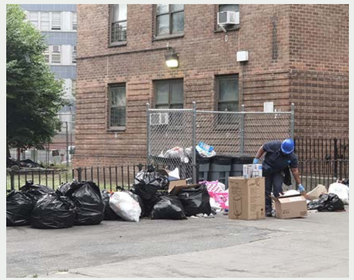
Situated in the East Harlem neighborhood of Manhattan, Wagner Houses is a NYCHA public housing development consisting of 16-story and 7-story towers across a total of 22 buildings. Construction of Wagner Houses was completed in 1958 and now provides a home for over 5,000 residents in 2,162 apartments. The development was named after Senator Robert F. Wagner, who successfully served four terms as Senator of New York State.

Waste & Recycling Containerization Pilot

The Challenges

As with many public authority housing developments, it is widely acknowledged that the trash provision on NYCHA apartment blocks is no longer fit for purpose given the need to reduce environmental impact with a robust zero-waste strategy. The use of chutes discourages recycling and with large accumulations of trash bags around building entrances awaiting collection, alongside instances of large trash bags being thrown from upstairs windows, there are serious issues of vermin and illegal dumping to contend with.

These issues impact negatively on neighborhood quality and with previous attempts to encourage recycling having only a limited overall effect, the NYCHA team were looking for innovative ways to help residents dispose of household waste responsibly and deliver wider qualitative improvements throughout the Wagner Houses development.



"The metroSTOR recycling stations currently at NYCHA's Wagner Houses are durable and remain tidy one year following the installation. NYCHA residents have positively embraced the new system, stating the containers are much cleaner and more attractive than the previous system. The stations encourage recycling, and the larger apertures allow larger bags of waste and bulky cardboard to be deposited easily. Overall, the stations have positively impacted waste diversion rates, particularly for paper/cardboard, as the units are larger and more conveniently located."

Louisa Denison
Programs and Policy Advisor NYCHA

NEW YORK CITY HOUSING AUTHORITY

The Solution

At metroSTOR we understand in detail the challenges of both multifamily and non-market housing environments and using our 5C methodology have worked closely with the NYCHA team to create user-friendly deposit-points for recycling and large trash bags. 3 of the Wagner Houses tower blocks have been selected for the pilot, providing a comprehensive cross-section across the development, with consideration being given to specific locations outside the main entrances for convenient use by residents, access for site staff, improvements in the appearance of the grounds and helping remove opportunities for illegal dumping.

In each of the 3 pilot locations the waste and recycling deposit point consists of an identical series of 3 metroSTOR B-Series Dumpster Housings. A metroSTOR BD400 secures the 2 yd dumpster for Trash, a second metroSTOR BD400 unit secures the 2 yd dumpster for Paper & Cardboard and a metroSTOR BC130 the 2no. 65 gal.carts for Metal, Glass & Plastic collections.

Clear, highly visible instructions on what materials should go in each container are provided in 3 languages along with associated line drawings and color coded doors specific to the waste stream type, help reduce contamination rates and ensure that the facilities are accessible and safe for everyone to use.

The Outcomes

As a first step of the pilot scheme, NYCHA staff conducted a communications campaign that provided insight into the new changes to infrastructure and ensured that all residents had access to reusable recycling bags for their household kitchens.

So far the pilot has been a success, with large quantities of clean recycling coming from each block, easier emptying of waste containers by the site staff and a marked reduction in rodent presence and illegal dumping.

metroSTOR continues to monitor the pilot regularly with the NYCHA team, suggesting operational improvements and adjustments to the units to optimize performance.

metroSTOR BD-B Series
On-Street Dumpster Enclosures

The No.1 for on-street trash and recycling dumpster enclosures, metroSTOR BD-B Series is a dual-sided design, loaded from the sidewalk and serviced streetside.

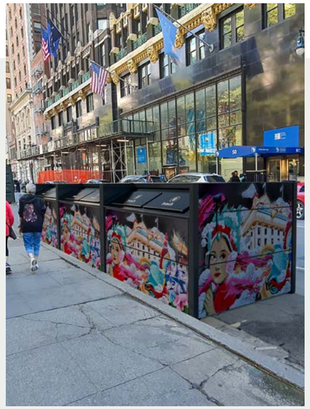
With metroSTOR BD-B units, the dumpster is enclosed in the open position, for easy access by residents without the need to touch the dumpster lid. The dual bin hatches have assisted lift and lower, with stainless steel hand holds and waste streams are clearly identified with color coding and clear graphics.

Often located in parking bays, dumpsters can be easily transferred by trash collection crews from the street side for transfer to refuse trucks. Cast steel hinges and slam locks ensure the service doors are reliable and easy to use.

Proven to resist damage in tough urban environments, metroSTOR BD-B is an all-steel manufactured unit with welded steel subframes and internally riveted panels on each elevation including service doors. Multistage pre-treatment and coating processes guard against surface degradation alongside regular cleaning regimes.

With over 20,000 units in service, metroSTOR products deliver reliable waste and recycling infrastructure and the 12 month manufacturer's warranty is backed on site by our service partners to ensure metroSTOR installations can be maintained in service for the long term.

A consistent design theme runs through metroSTOR product systems and the B-Series is part of the metroSTOR family that are defining collection and waste diversion points for solid waste in the urban environment.



Easy for Residents
Dumpster is enclosed in the open position with assisted lift and lower access hatches

Waste Stream Control
Front-load enclosure design with color coded panels and clear graphics for easy recycling

12 Month Warranty
All-steel construction with tough, multi stage pre-treatment and color coated finishes

Faster for Trash Crews
Dual service doors with cast steel hinges and slam locks for fast, reliable operation

Faster for Trash Crews
Dual service doors with cast steel hinges and slam locks for fast, reliable operation.

Make Streets Beautiful
Customize solid waste enclosures with local theme artwork.

Cardboard Collection Points
Set up bulky waste drop off locations with recyclable material stored out of sight.

Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	Depth (Inches)	Width (Inches)	Height (Inches)	Door Opening Width (Inches)	Door Opening Height (Inches)	Access
BD400B	1x 2 Yard Dumpster	Dual 24x22 Rear Load Lid Type Apertures	96.8	59.5	65.7	84.1	61.8	1 Door
BD600B	1x Admaral Rear Load 3 Yard Dumpster	Dual 24x22 Rear Load Lid Type Apertures	79.5	100.8	65.7	88.00	61.8	1 Door

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assemblies	HD Galvanized	A1) Anthracite Grey PPC Finish
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	B1) Color PPC Finish Options (Upper Panels Rear) B2) Omit Anti-Graffiti Hole Pattern
C) Unit Cover	Mild Steel Welded Assembly	Zinc Coat / Anthracite Grey Painted Finish	
D) Bin Container Access *(Front Load Type)*	*Please see page 4 for further information on our Front Load Wheeled Dumpster Enclosures*		
E) Bin Container Access *(Rear Load Type)*	Mild Steel Welded Assembly / Stainless Steel Bezel / Stainless Steel Hand Grip / Gas Strut Lift	Zinc / PPC Finish	E1) Single Paper & Cardboard Lid Type Aperture
F) Service Doors	Mild Steel Welded Assembly / Dual Hinged Doors / HD Galv Cast Hinges / Integral Stainless Steel Drop Bolt	Zinc Coat / Anthracite Grey Painted Finish	F1) Color PPC Finish Options (Upper Panels) F2) PVC Vinyl Graphics
G) Service Door Access	Stainless Steel Square Drive Key / Slam Latch	Stainless Steel Square Drive Key / Slam Latch	

Waste Stream Graphics

Color-coding, graphics and signage customizations

Trash | **Plastic** | **Paper, Cans & Plastic Bottles** | **Mixed Recycling**

Glass, Cans & Plastic Bottles | **Cans & Plastic Bottles** | **Cardboard** | **Custom Design**

metroSTOR RC-Series
On-Street Trash & Recycling Enclosures (Top Load)

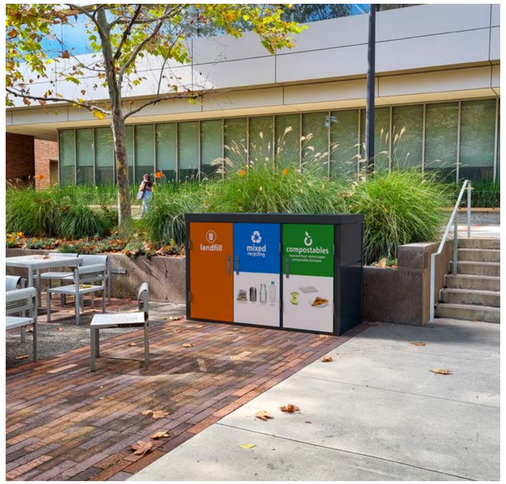
Designed to enclose standard carts, metroSTOR RC is the modular solution for co-located trash and recycling. Ideal for lower volume (or higher collection frequency) containerized garbage, recycling, and compost storage between collections.

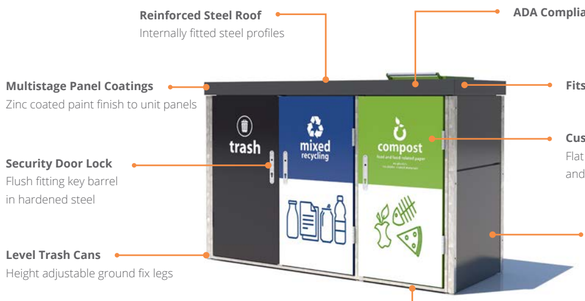
The top-loading aperture format is ideal for high traffic areas and can be specified with hinged lid to enclose the unit or with apertures to restrict waste items being placed in the bin. The hinged lid version is a useful specification for use when organics or compost streams are co-located with other recycling streams and trash.

With the same clean space design theme and visual messaging opportunities as the larger B-Series and G-Series, metroSTOR R-Series units provide vital recycling infrastructure that is instantly recognizable and consistent with local or regional streams, reinforcing the waste diversion message at each point of generation.

Manufactured in 12 model sizes, metroSTOR RC-Series can accommodate up to 3no. 95 gal. carts in a single unit, with all solid waste deposits directly into open cart through the loading aperture on top of the unit. Loading apertures can be specified as hinged lid (with soft close), open aperture or restricted aperture specific to the recycling stream. Internal deflector plates ensure that waste streams are loaded directly into the open container and no waste is left around the bins on the floor for rodents or for scavenging birds.

Clean space design enables color-coded panels, clear graphics and recycling stream symbols to extend to all elevations including the top loading section to maximize waste diversion visibility.





Reinforced Steel Roof
Internally fitted steel profiles

ADA Compliant models available

Multistage Panel Coatings
Zinc coated paint finish to unit panels

Fits all 35/65/95-gallon carts

Security Door Lock
Flush fitting key barrel in hardened steel

Customized Trash Bins
Flat panels for vinyl wrapping and signage

Level Trash Cans
Height adjustable ground fix legs

Reduce Fire Risk
All steel construction with option of galvanized steel bin liner

Galvanised Steel Base
Tough coatings to prevent rusting

Cleaner Recycling
Add waste stream apertures to help separate recycling at-source.

On-The-Go Recycling
Clear space for recycling graphics with easy to use bin access.

Modular Formats
Manufactured in 7 models for 1,2 and 3 units for 28, 35, 65 and 95 gallon carts.

Easier for Bin Crews
Cart or pull-out container models all use wide front access doors.

Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	ADA Compliance	Depth (Inches)	Width (Inches)	Height (Inches)	Door Opening Width (Inches)	Door Opening Height (Inches)	Access
RC35	1x 35 gal. Cart	14x14 Top Load Aperture	✓	30.6	27.8	44.5	23	40.7	1 Door
RC70	2x 35 gal. Carts	14x14 Dual Top Load Aperture	✓	30.6	52.6	44.5	23	40.7	2 Doors
RC105	3x 35 gal. Carts	14x14 Triple Top Load Apertures	✓	30.6	77.2	44.5	23	40.7	3 Doors
RC35L	1x 40 gal. Pull-out Container	14x14 Top Load Aperture	✓	30.6	27.8	39	23	32.1	1 Door
RC70L	2x 40 gal. Pull-out Containers	14x14 Dual Top Load Aperture	✓	30.6	52.6	39	23	32.1	2 Doors
RC105L	3x 40 gal. Pull-out Containers	14x14 Triple Top Load Apertures	✓	30.6	77	39	23	32.1	3 Doors
RC65	1x 65 gal. Cart	14x14 Top Load Aperture		37.6	32.0	48.2	27.3	44.5	1 Door
RC130	2x 65 gal. Carts	14x14 Dual Top Load Apertures		37.6	61.1	48.2	27.3	44.5	2 Doors
RC195	3x 65 gal. Carts	14x14 Triple Top Load Aperture		37.6	90	48.2	27.3	44.5	3 Doors
RC95	1x 95 gal. Cart	14x14 Top Load Aperture		41.3	35.1	51.9	30.4	48.1	1 Door
RC190	2x 95 gal. Carts	14x14 Dual Top Load Apertures		41.3	67.0	51.9	30.4	48.1	2 Doors
RC285	3x 95 gal. Carts	14x14 Triple Top Load Aperture		41.3	99.2	51.9	30.4	48.1	3 Doors

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assemblies	HD Galvanized	A1) Anthracite Grey PPC Finish A2) Unit Floor / Frame Panel Option
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	B1) Color PPC Finish Options
C) Unit Cover	Mild Steel Welded Assembly	Zinc Coat / Anthracite Grey Painted Finish	C1) Color PPC Finish Options C2) All Panels Graphic Wrap Option
D) Container Access	Mild Steel Assembly / Zinc Coated Mild Steel Bezel	Zinc Coated / Anthracite Grey Painted Finish Square Top Aperture / No Insert	D1) Mixed Recycling Aperture Insert Option D2) Bottles & Cans Recycling Aperture Insert Option D3) Hinged Lid Option
E) Service Doors	Mild Steel Welded Assembly / Stainless Steel Hinges	Zinc Coat / Anthracite Grey Painted Finish	E1) Color PPC Finish Options E2) Recycle Stream Graphics Option
F) Service Door Access	Inset Self -Latching Bolt / Key Operated Hook Deadlock	Stainless Steel / Aluminum Self Latching Bolt / Key Operated Deadlock	F1) Mechanical Keypad Latch / Lock
G) Bin Container			G1) Galvanized Steel Lift Out Bin Container Option

Waste Stream Graphics

Color-coding, graphics and signage customizations

Trash

Plastic

Paper, Cans & Plastic Bottles

Mixed Recycling

Compost

Glass, Cans & Plastic Bottles

Cans & Plastic Bottles

Cardboard

Custom Design

metroSTOR RCF-Series
On-Street Trash & Recycling Enclosures (Front Load)

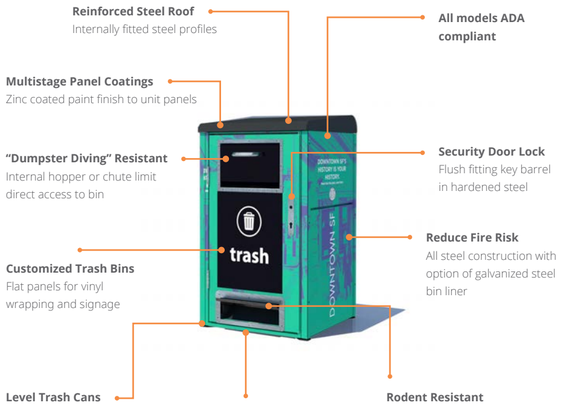
metroSTOR RCF is the new standard for effective on-the-go trash and recycling in public areas. Tough build, uncomplicated design and proven components deliver reliable, cost-effective on-street recycling infrastructure for the long term.

Developed primarily as a sealed enclosure to contain standard trash carts, metroSTOR RCF is modular in format for co-locating waste streams. A front loading design that in standard configuration has a foot pedal operated transfer hopper to deposit waste touch free, with the unit then returned to closed position. metroSTOR RCF is also available with an internal chute replacing the foot pedal and hopper.

Minimalist styling makes metroSTOR products great looking additions to the urban environment and metroSTOR RCF is a compact, low-profile unit, minimizing visual impact so that trash and recycling can be collected close to real points of generation whether they are streetside, in public open spaces, on campus or in multifamily developments.

With its front loading aperture design, metroSTOR RCF accommodates pull out containers or wheeled carts depending on model specification. Where a sealed unit is not the primary consideration, such as higher traffic areas with more frequent collection regimes, the internal chute version does without the foot pedal and transfer hopper for a simpler, even more cost effective solution. ADA compliance is achieved with certain units. The internal chute assembly is designed to make retrieval of items placed in the bins more difficult and service doors can be specified with cylinder locking.

Welded steel frames, internal hinges and latches with concealed panel fixings provide durability in service while innovative primary and secondary coating processes that are unique to metroSTOR maintain finishes in harsh urban environments. With the same clean space design as the RC Series, RCF is ideally suited to the application of vinyl graphic wraps whether messaging and imagery with specific recycling focus or the promotion of local initiatives.



Reinforced Steel Roof
Internally fitted steel profiles

All models ADA compliant

Multistage Panel Coatings
Zinc coated paint finish to unit panels

"Dumpster Diving" Resistant
Internal hopper or chute limit direct access to bin

Security Door Lock
Flush fitting key barrel in hardened steel

Customized Trash Bins
Flat panels for vinyl wrapping and signage

Reduce Fire Risk
All steel construction with option of galvanized steel bin liner

Level Trash Cans
Height adjustable ground fix legs

Galvanised Steel Base
Tough coatings to prevent rusting

Rodent Resistant
Fully enclosed with foot pedal / hopper version

Reinforced Steel Roof
Internally fitted steel profiles.

Cleaner Recycling
Add waste stream apertures to help separate recycling at-source.

Touch Free Use
Foot Pedal Opening Hopper for touch-free deposit of recycling or trash.

Easier for Bin Crews
Cart or pull-out container models all use wide front access doors.

Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	ADA Compliance	Depth (Inches)	Width (Inches)	Height (Inches)	Door Opening Width (Inches)	Door Opening Height (Inches)	Access
RCF35	1x 35 gal. Cart	15x10 Front Load Aperture	✓	30.3	27.6	53.5	23.0	46.7	1 Doors
RCF70	2x 35 gal. Carts	15x10 Front Load Apertures	✓	30.3	52.4	53.5	23.0	46.7	2 Doors
RCF105	3x 35 gal. Carts	15x10 Front Load Apertures	✓	30.3	77.0	53.5	23.0	46.7	3 Doors
RCF35L	1x 50 gal. Pull-out Container	15x10 Front Load Aperture	✓	30.3	27.6	47.6	23.0	40.7	1 Doors
RCF70L	1x 50 gal. Pull-out Containers	15x10 Front Load Aperture	✓	30.3	52.4	47.6	23.0	40.7	2 Doors
RCF105L	3x 50 gal. Pull-out Containers	15x10 Front Load Aperture	✓	30.3	77.0	47.6	23.0	40.7	3 Doors
RCF35LF	1x 35 gal. Pull-out Container	15x10 Front Load Aperture	✓	30.3	27.6	47.6	23.0	40.7	1 Doors
RCF70LF	1x 35 gal. Pull-out Containers	15x10 Front Load Aperture	✓	30.3	52.4	47.6	23.0	40.7	2 Doors
RCF105LF	3x 35 gal. Pull-out Containers	15x10 Front Load Aperture	✓	30.3	77.0	47.6	23.0	40.7	3 Doors

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assemblies	HD Galvanized	A1) Anthracite Grey PPC Finish A2) Unit Floor / Frame Panel Option
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	B1) Color PPC Finish Options
C) Unit Cover	Mild Steel Welded Assembly	Zinc Coat / Anthracite Grey Painted Finish	C1) Color PPC Finish Options C2) All Panels Graphic Wrap Option
D) Container Access	Mild Steel Assembly / Zinc Coated Mild Steel Bezel	Zinc Coated / Anthracite Grey Painted Finish Rectangular Front Aperture / No Insert	D1) Mixed Recycling Aperture Insert Option D2) Bottles & Cans Recycling Aperture Insert Option D4) Foot Pedal Operated Access Hopper Option
E) Service Doors	Mild Steel Welded Assembly / Stainless Steel Hinges	Zinc Coat / Anthracite Grey Painted Finish	E1) Color PPC Finish Options E2) Recycle Stream Graphics Option
F) Service Door Access	Inset Self -Latching Bolt / Key Operated Hook Deadlock	Stainless Steel / Aluminum Self Latching Bolt / Key Operated Deadlock	F1) Mechanical Keypad Latch / Lock
G) Bin Container			G1) Galvanized Steel Lift Out Bin Container Option

Waste Stream Graphics

Color-coding, graphics and signage customizations

Trash | **Plastic** | **Paper, Cans & Plastic Bottles** | **Mixed Recycling** | **Compost**

Glass, Cans & Plastic Bottles | **Cans & Plastic Bottles** | **Cardboard** | **Custom Design**

metroSTOR F-Series
Organics Cart Enclosures

Diverting more food scraps from municipal solid waste is exactly what the metroSTOR F-Series was designed for. Our customers wanted a robust unit for organics collections, neat and convenient to use, with controlled access to keep the recycling streams clean. The F-Series offers a proven solution!

Efficient refuse collection is central to metroSTOR product design and the F-Series is manufactured in three model sizes to fit 35 gallon, 65 or 65 gallon carts in a compact, clean enclosure. Straightforward to operate and maintain, food scraps are deposited in the opened cart through a foot pedal operated lid on top of the unit.

Unless the contamination of feedstock can be minimized, cart enclosures are of limited value and metroSTOR F-Series can be specified with controlled access via BLE (Bluetooth Low Energy) smartphone app or an electronic keypad, both with low maintenance battery power.

The requirement to handle food waste containers can discourage use and the foot pedal operated lid is designed for both ease of operation and ensuring the food scraps housing is enclosed as soon as the food waste has been deposited. This function limits odors and other undesirable side effects as the food waste deposits start to degrade within the cart.

Cleaning regimes are supported with stainless steel touchpoints on the lid handle and aperture surround as standard. Modular component engineering ensures maximum reliability in harsh urban environments, with toughest Hot-Dip Galvanized coatings possible on high wear components such as door frame and unit base. Separate panel coating prior to unit assembly, enables a stringent, multi-stage pre-treatment and powder coating process.

Cart Specific Models
Manufactured in 3 model sizes for 35, 65 and 95 gallon carts

Reinforced Steel Roof
Internally fitted steel profiles

Heavy Duty Build
All steel manufacture with zinc and color coated finishes

Customized Trash Bins
Flat panels for vinyl wrapping and signage

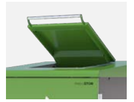
Level Trash Cans
Height adjustable ground fix legs

Touch-Free Recycling
Use the foot pedal to deposit food scraps without touching the cart lid

Galvanized Steel Base
Tough coatings to prevent rusting

metroKEY App Option
The metroKEY app is a user-friendly access control system for metroSTOR organics cart enclosures, stopping unathorized use.

Keypad Option
Keypad access is an ideal solution for organics drop-off facilities catering to seniors where smartphone usage may be limited.



Easy to Use
Lightweight foot pedal action with soft close lids for quiet streets!

Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	Depth (Inches)	Width (Inches)	Height (Inches)	Door Access Width (Inches)	Door Access Height (Inches)	Cart Compatibility
FX35	1x 35 gal. Cart	16 x 12 Top Load Lid	26.8	29.2	45.1	23	39.25	-
FXG65	1x 65 gal. Cart	16 x 16 Top Load Lid	33.8	32.6	50	26.4	44.1	Fits all 65 Gal carts
FX95	1x 95 gal. Cart	16 x 16 Top Load Lid	37.5	36.1	52.5	29.9	46.6	-

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assembly (Internal Components)	HD Galvanized	
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	
C) Unit Cover / Lid	Mild Steel Welded Assembly	Zinc Coat / Green PPC Finish	C1) Color PPC Finish Options
D) Container Access	Mild Steel Welded Assembly / Stainless Steel Bezel / Stainless Steel Hand Grip / Soft Close Damper	Zinc Coated / PPC Finish	D1) Bluetooth Low Energy (BLE) Access Control D2) Code Lock Access Control D3) Dual System BLE metroKEY / Electronic Keypad Access Control
E) Service Doors	Mild Steel Welded Assembly / Stainless Steel Hinges	Zinc Coat / Green PPC Finish	E1) Color PPC Finish Options E2) Graphics E3) Battery Deposit Container
F) Service Door Access	Stainless Steel Square Drive Key / Slam Latch	Stainless Steel Square Drive Key / Slam Latch	

Waste Stream Graphics

Color-coding, graphics and signage customizations

Compost

Custom Design

metroSTOR Organics Cart Enclosure In Action
Manchester, Connecticut

Manchester is situated in Hartford County, Connecticut and is home to around 60,000 people. With around a quarter of residential trash being made up of food, Rachel Schnabel, Recycling & Community Coordinator for the town is looking to tackle the issue of organic waste recycling head on...

“The thing about trash that most people don’t think about is that it needs to go somewhere. In Connecticut right now, most of the trash is getting hauled out of state and that’s not good for the environment for a number of reasons.”

With residential food waste making up 40% of all wasted food in the US, Rachel and her team went about creating a new way for the people of Manchester to have a better impact on the environment. The initial idea was to pilot the addition of food waste collection to one of the five curbside pickup days already in operation. However, Rachel was focused on creating something that could be easily scaled to inspire other communities. With this in mind, the Food Scrap Drop-off Pilot Program was born.

“If you make it really easy for everybody who is interested to be involved, you’re going to get others interested and that interest will grow.”

The idea was simple – give residents an easy and accessible way to dispose of their own food waste, while educating them on the positive impact it can have on the wider community. Once registered for the program, households receive a free food scrap pail with compostable bags and can start making a difference. Four locations across the town form what Rachel calls the “Food Waste Diamond” and is made up of already well-frequented sites in the town – the Transfer Station, a neighborhood park, one of the town’s libraries and a senior center.

Thanks to signage and communication, residents know exactly what items can and can’t be accepted. The drop-off points are then emptied and taken to one of two anaerobic digesters – one in nearby Southington CT and one in Agawam in the neighboring state of Massachusetts. Importantly, both of these sites are within a 40 minute drive from Manchester, cutting down on that mass cross-state haulage. While the food waste is being composted, the biogas created in the process is captured and used to generate green energy.

One of the best things about our food scrap drop-off program is that it’s available 24/7, making it accessible to everyone in town. It’s not as convenient as curbside collection, but it’s much more affordable and still allows residents to drop off their food scraps whenever they want. The metroKEY app plays a big role in making this possible, now most users find it easy to unlock and access the stations with just a tap on their phones. The app adds a layer of convenience and control—residents can drop off their food scraps whenever it’s most convenient for them. Plus, the people who take the time to use the stations are really committed, which means we’ve had very few issues with contamination.

Rachel Schnabel
Recycling & Community Coordinator

THE TOWN OF MANCHESTER

“We want to make it very clear when we’re looking at the data that this is what we are diverting from the trash that we would normally collect.”

A key part of this pilot program and future scaling was data collection. In order to do that, the team in Manchester needed total control of who was participating – something not always associated with refuse collection. Open the program to anyone and they may miss crucial information, increasing the risk of contamination. Different households also have different rules – for example, apartment complexes need to pay for their own waste diversion so would not be on the regular collection route.

In order to operate a closed-access pilot, the team opted for a combination of satellite linked cart enclosures and the metroKEY app by metroSTOR. Residents are able to download the app allowing them to use their cellphone to access the units. Operators can then not only monitor who is using the carts but also when they are being used. For example, in the unlikely event that incorrect items are deposited a warning can be issued with the ability to ultimately ban repeat offenders. To combat this, information on accepted materials is easily communicated to the user within the app, as well as a live map showing all four satellite cart locations. Users also have the ability to report any issues which can be swiftly dealt with.

“One thing we like about these units is they’re enclosures for your standard trash cart.”

When choosing a food waste cart enclosure for residents to interact with, there was a lot to consider. A secure lid to minimize any unpleasant odors was a must, as well as the ability to open the lid and also have both hands available for disposing of food scraps for a user-friendly experience. Haulers advised that carts be no larger than 65 gallons due to weight restrictions with hauling equipment. Finally, the enclosure had to support the closed-access features of the metroKEY app.

SCAN

To learn more about the Town of Manchester Food Scrap Drop-off Pilot Program

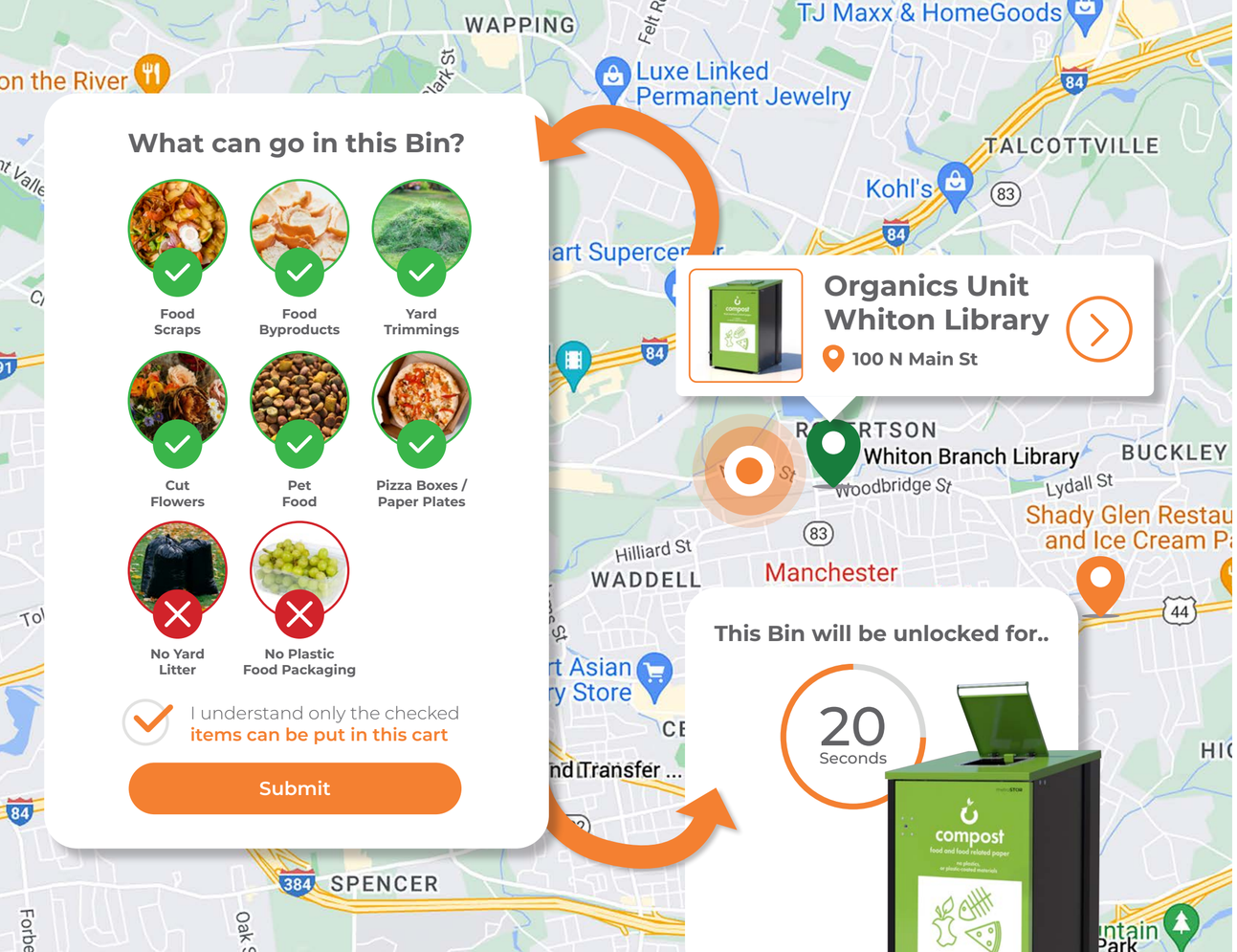
bit.ly/food-scrap-drop-off-pilot

The metroSTOR F-series was the perfect choice to meet the needs of the program. Its foot operated lid means that users can safely dispose of their organic waste hands-free, providing a clean and hygienic experience, as well as a secure lid to minimize any unpleasant odors. The enclosure also comes in three standard trash cart sizes – 35, 65 and 95 gallons, meaning that haulers don’t need to change their workflow around new equipment. Crucially, the F-series is available with a number of access options including BLE (Bluetooth Low Energy) to communicate with metroKEY.

“We’re excited to watch this program grow and see how it affects the future of food waste disposal.”

So far, the pilot program has proved very popular with residents. Thanks to the combination of the metroSTOR F-series cart enclosures and metroKEY, contamination issues have been kept to a minimum. Currently, there are over 120 active app users for the satellite carts and that number continues to grow. On average, the program is diverting around one ton of food scraps per month, helping to combat the 290 lbs of food wasted by every American citizen per year.

What’s clear is that everyone taking part cares about doing the right thing for their community. It’s a great start for Manchester and, more importantly, will serve as inspiration to other towns, cities and states across the USA.



metroKEY

The smartphone app for minimized food scrap contamination

Placing organics carts within a closed unit, with foot pedal operation for touch free disposal of food scraps is a great way to encourage user acceptance, but how do you make sure these are only organics, not other recycling streams or even trash?

Contaminated food waste streams are a significant challenge, and reliable solutions at source are needed to ensure the effort in setting up the deposit scheme, hauler and organics recovery arrangements does not result in rejected feedstocks.

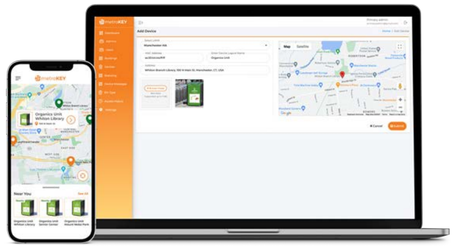
Integral to the development of metroSTOR cart enclosures are reliable access control systems that are both easy to use and uncomplicated to administer. There are two types that can be specified on metroSTOR F-Series units; metroKEY is our Bluetooth Low Energy (BLE) smartphone app and an electronic keypad version. Both types of controller activate the same electronic latch system and have the same low energy battery requirement

metroKEY is an interactive access control system, delivering end to end visibility on how the drop off facility is being used, with a user interface that actively encourages participation with fast sign up, easy to follow instructions, map locations of units, and clear information on what can be deposited. The metroKEY web portal displays clear information for scheme administrators specific to each unit providing comprehensive user analysis to measure scheme effectiveness and control misuse. It also enables new messaging to be displayed as required and shows any faults that have been reported via the app. Smart bin fill sensor technology, allows scheme administrators to optimize waste collections by remotely monitoring unit fill levels across the network of drop-off facilities. Smartphone app users can also see when a bin is full, allowing them to navigate to the nearest available drop-off location.

An additional feature within the metroKEY platform enables administrators to pre-approve organics collection users via an email list, thus reducing administrative burdens and enabling different streams to be created such as between users paying and non-paying for the service.

The metroKEY platform offers administrators the ability to pre-approve organics collection users via an email list, reducing administrative burdens and enabling the creation of different service streams, such as for paying and non-paying users. Additionally, metroKEY integrates fill sensor technology, allowing administrators to monitor the real-time status of each bin through a web portal and redirect app users to the nearest available cart enclosure when a bin is full.

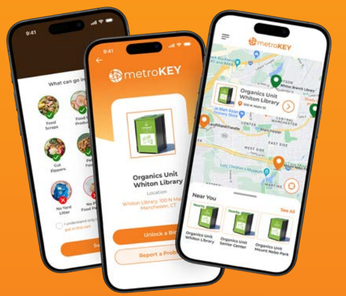
Making circularity work for real in our modern urban environment requires innovation and commitment. The combination of metroSTOR organics cart enclosures and metroKEY app control, increases food waste diversion from landfill and minimizes food scrap contamination.



SCAN
The QR code

REGISTER

ACCESS
Your local authority organic containers



For FAQs go to metrostor.us/metrokey

Download on the App Store

GET IT ON Google Play

metroSTOR G-Series
Dumpster Recycling Centers

High-volume waste and recycling containers whether used in multifamily, commercial or municipal drop-off centers, account for the majority of waste deposited every day and metroSTOR G-Series Container Recycling Centers support multi-stream waste diversion strategies for these applications with highly visible graphics, symbols and messaging enabling municipal organizations to confidently separate trash, organics, yard waste, food waste, textiles, glass, paper, cardboard plastics and bulky waste.

metroSTOR G-Series Recycling Centers provide the consistent messaging, cleaner environment and easy loading heights, giving less-able residents the confidence to use the facility unaided, to improve the recycling experience on higher volume sites. For operators, the product systems reduce contamination, side waste and associated public health issues along with the ability to switch streams according to daily or seasonal fluctuations with metroSTOR RecycleRight adaptable user interface.

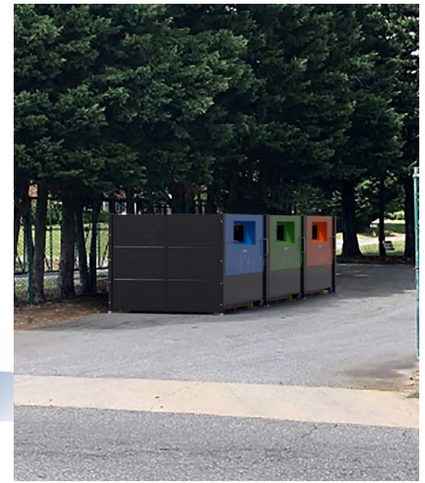
A front loading enclosure design, metroSTOR G-Series accommodate flat top containers up to 4 yard and slant top containers up to 8 yard in standard build configurations. Containers are enclosed with waste and deposited directly into the open container through the loading aperture without the user having to touch either the container or the housing. The gate-mounted aperture position, and internal deflector plates, ensure waste streams are loaded directly into the open container so that waste around the containers on the floor for rodents or for scavenging birds is minimized. Superduty floor-mounted guide bars protect the enclosure in container loading and unloading.

Guide Bars
Superduty floor-mounted guide bars protect the enclosure in container loading and unloading.

Flexible Build Options
Enclosed or enclosure formats including semi-corral custom build

Internal Waste Chutes
Ensures trash and recycling deposited directly into open dumpster container

Operator Friendly
Integral door hold back, drop bolts and 175 degree opening



Product Capacity & Dimensions

Model	Capacity	Container Load Type (Inches, WxH)	Depth (Inches)	Width (Inches)	Height (Inches)	Access
GC1000	1x 2/3/4 yd. FEL Dumpster (Flat or Slant Top)	Dual 30x14 Front Load Aperture	77.7	119.3	86.6	Front Doors
GC1600	1x 6/8 yd. FEL Dumpster (Slant Top)	Dual 30x14 Front Load Aperture	101.7	117.6	100.1	Front Doors

Product Specification & Options

Build Components	Build Specification	Standard Specification	Options
A) Unit Frames	Mild Steel Welded Assemblies	HD Galvanized	
B) Unit Shell Panels	Mild Steel Assembly	Zinc Coat / Anthracite Grey Painted Finish	B1) Color PPC Finish Options (Upper Panels Rear) B2) Corral Specification (Omit Rear / Side Panels)
C) Unit Cover	Mild Steel Welded Assembly	Zinc Coat / Anthracite Grey Painted Finish	C1) Enclosure Only Specification (Omit Roof Frame / Panels)
D) Bin Container Access	Mild Steel Assembly / Zinc Coated Mild Steel Bezel	Zinc Coated Rectangular Front Aperture / No Insert	D1) Mixed Recycling Aperture Insert Option D2) Bottles & Cans Recycling Aperture Insert Option D3) Paper & Cardboard Aperture Insert Option
E) Service Doors	Mild Steel Welded Assembly / Dual Hinged Doors / HD Galv Cast Hinges / Integral Stainless Steel Drop Bolt	Zinc Coat / Anthracite Grey Painted Finish	E1) Color PPC Finish Options (Upper Panels) E2) Graphics
F) Service Door Access	Stainless Steel Square Drive Key / Slam Latch	Stainless Steel Square Drive Key / Slam Latch	

Waste Stream Graphics

Color-coding, graphics and signage customizations

metroSTOR® In Action

metroSTOR FXG65
City of Gresham, OR

metroSTOR FXG65
Beaverton, OR

metroSTOR FXG65
City of Hailey, ID

metroSTOR RCF70L
River District Sacramento, CA

metroSTOR RCF35L
Downtown SF Partnership, CA

This metroSTOR RCF-Series model is in use on the San Francisco streets and features a bold wrap design. By scanning a QR code, passers by can access useful tourism information about what to do in the city. Its robust design and hands-free operation make it the perfect choice for urban environments.

metroSTOR RCF105L
Fashion District, LA

metroSTOR RC70
San Antonio, TX

After suffering from antisocial behavior surrounding the use of their trash cans, San Antonio opted to install some durable metorSTOR RC-Series units. Utilizing a custom wrap design, the new streetside additions ensure correct usage whilst improving aesthetics.

metroSTOR FX65
Scottsdale, AZ

metroSTOR RC70
Mesa, AZ

metroSTOR FX65
Ashland, WI

metroSTOR GC1000, BC190, FXG65
Boston Housing Authority, MA

metroSTOR FX65
Manchester, CT

metroSTOR FX35
Boston, MA

metroSTOR FX35
Chicago, IL

metroSTOR RC105
West Hartford, CT

metroSTOR RC130
Stamford, CT

metroSTOR DB600B
West Harlem, NYC

metroSTOR BD400 / BC130
East Harlem, NYC

metroSTOR RCF70
Dumbo, NYC

metroSTOR FX65
City of Fayetteville, AR

metroSTOR FX65
Raleigh, NC

metroSTOR F-Series
George Washington University, DC

metroSTOR BD600B
Athens-Clarke County, GA

These metroSTOR BDB600B units in Georgia feature a custom Athens-Clarke County Solid Waste Department wrap. Designed to communicate accepted materials for both recycling and landfill, it's a great addition to these tough, all-steel streetside dumpster enclosures.

metroSTOR FXG65
Coconut Creek, FL

Zero-Waste Pathway

The metroSTOR Zero-waste Pathway aims to help organizations identify areas of systematic leakage from the circular economy and focus on local level solutions, helping divert more eligible waste from garbage for reuse, recycling or composting.

Controlling the products and materials entering the cycle, while arguably of greater strategic importance, may require federal or state legislation that can take years to reach a conclusion. With our Analyze, Design, Implement, Support process we can help organizations start work eliminating leakage from the key points of generation and bring positive movement on the circular economy dial.

Analyze

Our specialists look at where and why leakage is occurring from each of the key points of generation using an understanding of the three factors that have been found to influence human behaviour – infrastructure, cognitive and social. Assessing related environmental and public health impacts to get the wider context.

Design

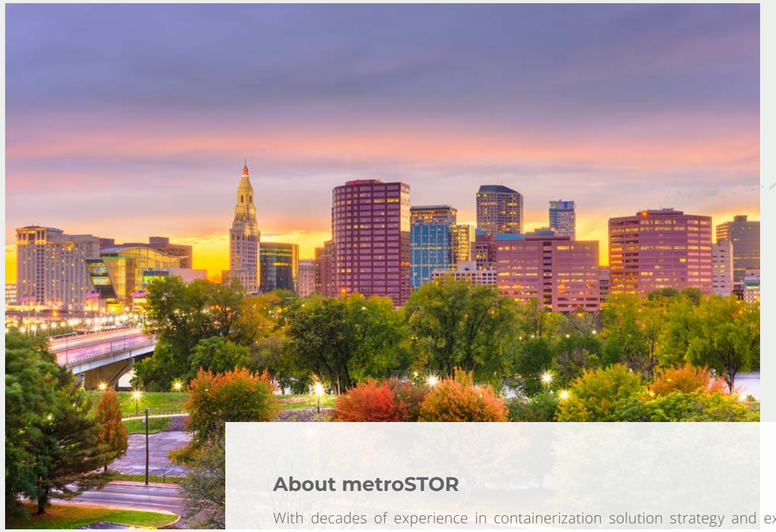
Developing a suite of solutions to help address gaps that may exist in both infrastructure and cognitive influencing, including site surveys, modelling and access statements; our team identify the relative cost-benefit performance of each proposal to help prioritize interventions that will be needed.

Implement

Supporting the stakeholder consultation and consent processes, providing manufacture and construction infrastructure solutions that combine global expertise with local technical and delivery partners for maximum effectiveness.

Support

The metroSTOR team is on hand for the long term, supporting pre and post-intervention monitoring and regular reviews with the aspiration of continual improvement and adaptations for future changes in legislation or process, working with local partners for infrastructure maintenance and development.



About metroSTOR

With decades of experience in containerization solution strategy and execution for challenging environments, the metroSTOR team deliver proven waste diversion products and services across North America.

Based in Hartford CT and serving municipalities, private sector organisations, public housing and educational facilities across North America and Canada with our regional service partners, metroSTOR provide an end-to-end package including consultancy, manufacturing, installation and maintenance of your zero-waste recycling infrastructure.

Developed to withstand the rigours of the urban street scene, over 15,000 metroSTOR external storage units have been installed by our UK based operation over the past decade, earning a reputation for rock-solid durability and proven effectiveness.

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metroSTOR

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Hartford, CT
metroSTOR

United Kingdom
Hythe, Kent
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