

Changes to LMCO Chapter 51



June 2, 2020

Change Overview

Proposing to make changes to four sections.

- Section 51.405 relating to Collection in the Urban Service District.
- Section 51.501 relating to Prohibited Activities (Stricken and moved to 51.510)
- Section 51.507 relating to Waste Container Specification
- Section 51.510 relating to Prohibited Activities, Impoundment

Section 51.405 was also reordered

Summary LMCO 51.405

Section 51.405 (A) For the collection of households and small business.

- Adding items not allowed to be set out for garbage collection.
- Adding weight limit on carts to be set out for collection.
- Marking of store purchased containers as to the contents
- Prohibiting placement of non-published items in recycling containers.

Section 51.405 (B) For the collection of households.

- Defining multi-family buildings eligible to receive services.
- Requiring needles (sharps) to be disposed of in certain containers.
- Defining “removal from the street or alley” for solid waste containers.

Section 51.405 (C) For the collection of household bulky waste.

- Allowing bulky waste to be collected using appointments.
- Changing the type and number of items that may be set out.

Section 51.405 (D) For the collection of small business.

- Requiring recycling containers in the total number of solid waste containers allowed for small business to purchase

Section 51.405 (A) Households and Small Business.

LMCO 51.405 (2) The following materials shall not be set out for collection: auto parts, asphalt, concrete, dirt, rock, asbestos, hazardous waste (including medical waste and bodily fluids), and hot ashes, construction and demolition debris, liquid paint, and electronic waste (e-waste).

Section 51.405 (A) Households and Small Business.

51.405 (A)(3) Department-provided carts may not be loaded with more than 200 pounds.

Section 51.405 (A) Households and Small Business.

LMCO 51.405 (A)(4) All reusable containers not provided by the Department and as authorized by LMCO § 51.507, that are used for the disposal of garbage, yard waste or recycling, must be marked to accurately reflect the contents of the container.

Section 51.405 (A) Households and Small Business.

51.405 (B) (5) Only those materials meeting Department-published guidelines for acceptable recycling materials may be set out for recycling collection. Guidelines are published on the Department's website.

Section 51.405 (B) For the Collection of Households

51.405 (B)(1) The Department will collect household solid waste garbage, recycling, and yard waste set out for collection from residential buildings and complexes having eight or fewer units. Collection agreements in existence prior to the effective date of this section shall be maintained as previously permitted. All household garbage, recycling, and yard waste must be set out in the cart provided by the Department or approved containers meeting the requirements of § 51.507. No plastic bags containing household waste-garbage or recycling can be set outside of the containers. ~~are allowed to be set outside of the carts. Plastic bags may be used only for the collection of yard waste.~~

Section 51.405 (B) For the Collection of Households

Section 51.405 (B) (2) Needles may only be set out for garbage collection. Needles may not be set out for collection unless contained in either an approved sharps container, or a heavy-duty plastic or metal container that is clearly marked “sharps”. Such containers containing needles may not be recycled.

Section 51.405 (B) For the Collection of Households

LMCO 51.405 (B)(3) All ~~carts~~ household garbage, recycling, and reusable yard waste containers must be removed from the street, or alley, sidewalk or other public right-of-way onto property directly abutting or adjacent to the principal or accessory structure no later than 4:00 p.m. the day after collection.

Section 51.405 (C) Household Bulky Waste

Added Definitions

Announcement-Based Large Item Collection System: A collection system for bulky waste. The system has a Department defined number of announced setout dates for eligible residents within the Urban Services District as published by the Department through Louisville Metro's website.

Appointment-Based Large Item Collection System: A collection system for bulky waste. The system requires eligible residents within the Urban Services District to contact Metro for a collection date. The number of times per year a resident can utilize the appointment system and the process for scheduling an appointment-based collection is published by the Department through Louisville Metro's website.

Bulky waste: large items of refuse, such as appliances, furniture, and other oversize wastes that do not fit into reusable or disposable containers.

Section 51.405 (C) Household Bulky Waste

(1) The Department may provide for Announcement-Based and/or Appointment-Based systems for bulky waste collection as listed by the Department on Louisville Metro's website. Except as otherwise provided herein, there is no limit of the number of bulky items that may be set out for the Announcement-Based Large Item Collection System; there is a limit of four (4) bulky items per appointment that may be set out for the Appointment-Based Large Item Collection System. Specifications of items eligible for Project Pick Up collection are contained in subsection (2) of this section. All items must come from the household where they are set out.

Making an Appointment

NEW Large Item Pick Up by appointment—Neighborhood Cleanliness Project pilot area ONLY
Go to LouisvilleKy.gov/KeepLouisvilleClean for more information.

4 easy steps to Large Item Pick Up



Check

below to see whether your items are acceptable.



Click or Call

to schedule a pickup.
LouisvilleKy.gov/KeepLouisvilleClean
574-2843



Set Out

up to 4 large items the day before your appointment.



Repeat

as needed, up to once a week.



Accepted:
Household items too large to fit inside a garbage cart

Examples:

- Furniture
- Appliances
- Up to 4 tires



NOT Accepted:
Small items
(place in garbage cart or recycle if possible)
Yard waste
(set out in weekly yard waste collection)
Hazardous waste
(take to HazBin)
Construction and demolition materials
(drop off at Waste Reduction Center, fees apply)

Current Announcement-Based System

An announcement based system of bulky waste collection having 12 route areas collected three (3) times per year.

In 2016 Bulk Waste collected 14,692 tons

Cost per household \$3.38 per month



Waste Composition Study Results

Waste Type	Percent Collected
Paper/Plastic/Metal	8%
Yard Waste	18%
Wood	24.5%
Construction & Demolition	17%
Bulky Waste	7%
Other Municipal Solid Waste	20%

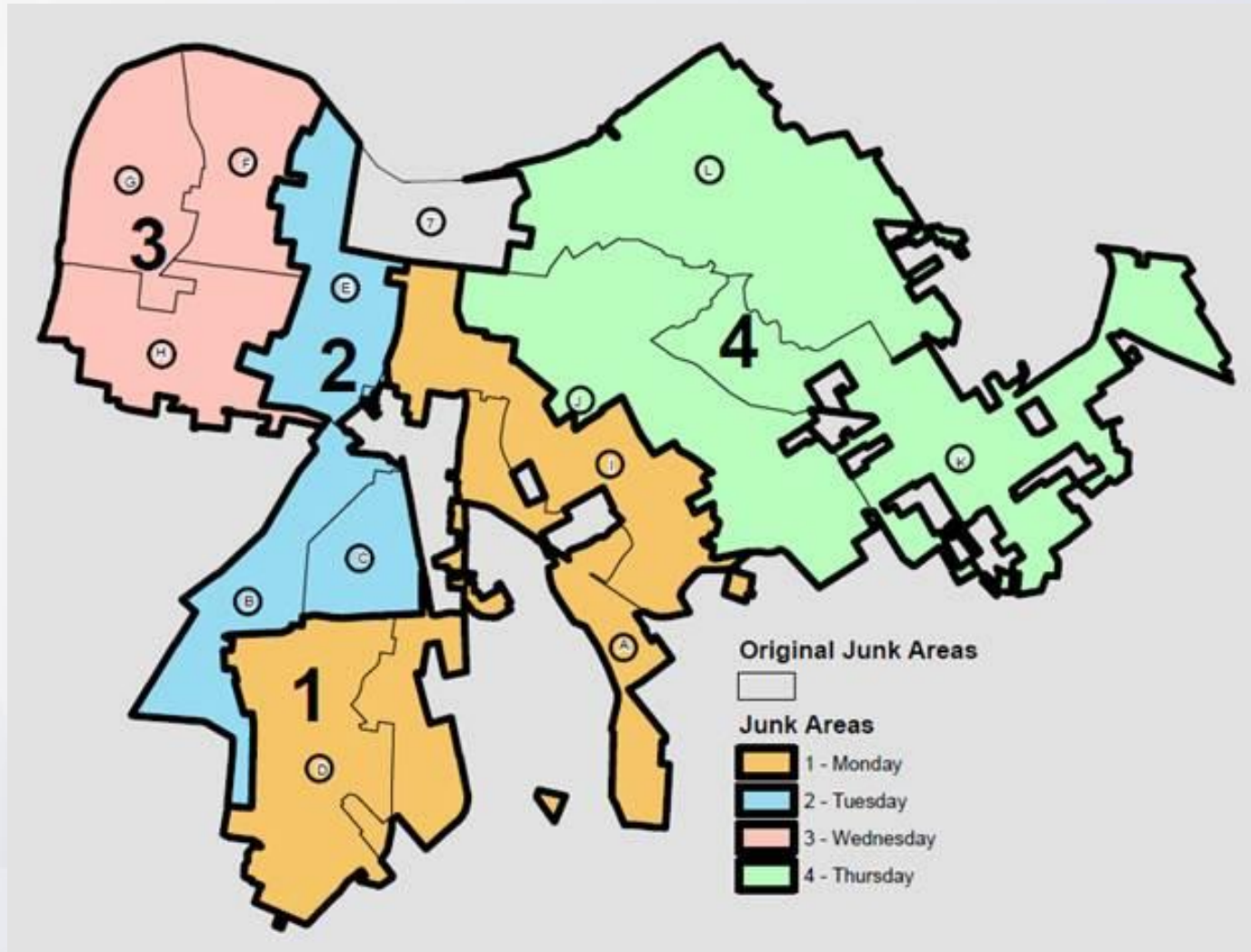
Announcement-Based System Assessment

- Allowing unlimited volume *invites importation* of waste.
- Announcing pick up schedule *invites illegal dumping*.
- Allowing small items *increases litter and collection time*.
- Citizens *set out too early* which leads to others doing the same.
- *Yard waste is not always recovered* and recycled.

Goal: Bulky Waste By Appointment

- **Reduce litter** by getting small stuff in carts
- **Reduce the presence of junk piles** that attracts more dumping or others setting out when its not time
- **Reduce importation** from other properties by limiting items
- **Match collection frequency to generation**
- **Increase services** with a potential to set out up to 52 times per year
- **Reduce cost** by being more efficient, reduced wear on vehicles, and less overtime

Proposed Areas and Days



Expected Number of Appointments

- Daily Appointments: Average of 102 appointments per day with a peak of 237.
- Annual: Anticipated 26,672 collections per year.

Based on the Shelby Park/Smoketown Neighborhood Cleanliness Pilot 0.6% participation utilization rate.

Waste Stream Impact

Potential impact on other curbside collection services:

- Garbage: 4% increase in weight (+3,173 tons per year)
- Recycling: 11% increase in weight (+1,234 tons per year)
- Yard Waste: 22% increase in weight (+2,629 tons per year)
- Bulky Waste: 54% decrease in weight (-8,160 tons per year)

Based on waste composition study of bulky waste materials

Potential curbside diversion rate increase from 24.6% to 26.6%

Note: To reduce shifting of the illegal dumping or importation waste to other parts of the county we will begin “Popup-Dropoff” events up to nine (9) times per year throughout the county.

Website

- Create website: <https://louisvilleky.gov/government/public-works/neighborhood-cleanliness-project>
- Citizens will be encouraged to make their appointment using the website. (A phone number will also be provided for citizens to leave information on a voicemail.)
- Note: This website will be the information and education focal point for the program. All other social media and publications will direct here.

Communications Plan

Mailing

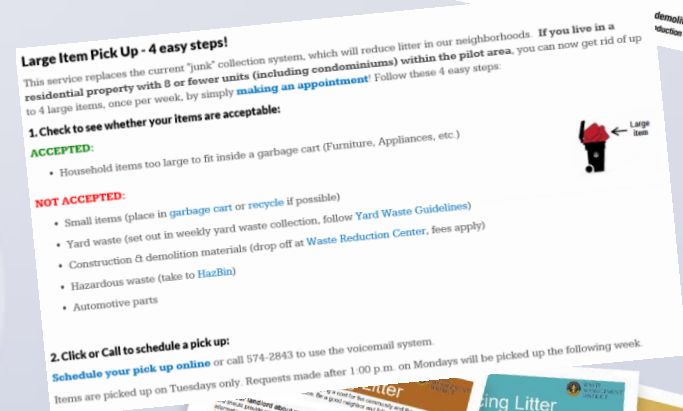
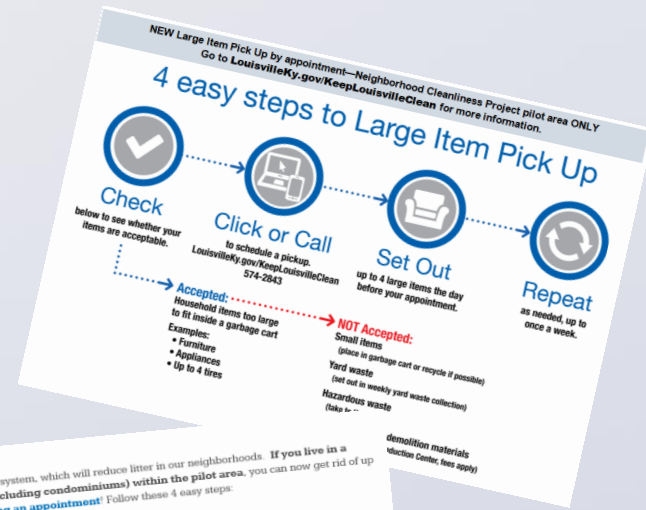
- Letter announcing program
- “Four Easy Steps” insert

Online Platforms

- Social media sites
- Newsletters
- Recycle Coach
- Host online informational meetings

Handouts

- Community events
- Libraries/Community Centers
- Neighborhood Associations
- Enforcement Officers
- Waste Reduction Center



Communication and education must start at least 3 months before launch of new system.

Enforcement

Enforcement would be an *education first* approach.

Enforcement would be progressive and based on the *number of times* a person violates the proposed ordinance.

Progression:

- First violation – items are collected, and resident receives reminder letter
- Second violation – items are collected, and resident receives non-fine notice of violation
- Third violation – items are collected and resident receives citation to include a fine according to LMCO 51.999 plus cleanup fees

Anticipated Cost vs Savings

Annual Savings

- \$104,700 based on reduction of overtime

Cost

- Initial: \$71,152 for one time printing and mailing to 117,600 addresses.
 - Announcement Letter
 - “Four Easy Step” Insert and Handout
- Annual: \$35,000 for printing and mailing reminders to 48,000 and handouts

Key Messaging



NO OVERFLOWS

All garbage must be inside your cart.



LARGE ITEMS?

Schedule a pickup for large items that don't fit in your garbage cart*.



PICK UP LITTER

Pick up litter around your property when you take the garbage out.



BRING 'EM IN

Store garbage carts and recycling bins inside a fence or against a structure after collection.



TAKE THE PLEDGE

Take the pledge to be a litter champion!
Louisvilleky.gov/KeepLouisvilleClean



REPORT DUMPING

Report illegal dumping online!
Louisvilleky.gov/IllegalDumping

*Large Item Pick Up by appointment is available in the pilot area only. See map.



Peer City Research

Findings

Bulky Waste Collection System (all 10 cities provide service)

- Eight restrict the number of items (4.5 Average)
- Nine collect items weekly or monthly
- Six to seven require citizens to make an appointment

Drop-off System (5 of the 10 cities provide a drop-off system)

- Five have one or more drop-off sites
- Four do not have restrictions on the number of times you can dump
- Two charge a fee (less than \$12 per load)
- Three allow free drop-off with limits on number of times or items

Garbage Collection System (of the 10 cities...)

- Eight require all garbage items to be inside of the cart.
- Two will accept a few small household items outside of garbage cart

Cincinnati, Indianapolis, Lexington, Nashville, St. Louis, Pittsburg, Baltimore, Columbus, San Antonio, Toledo

Section 51.405 (C) Household Bulky Waste

All items set out for Project Pick-Up must satisfy the following criteria:

- (c) No tree limbs, branches, and bush brush may be set out for Project Pick Up.
- (d) No small items or loose debris may be set out. Small items or loose debris that would otherwise fit into the garbage or recycling container may not be boxed, bagged, or bundled to make one large item.
- (g) No devices once containing Freon may be set out, including but not limited to air conditioners, refrigerators, and freezers.

51.405 (D) *For the collection of small business solid waste.*

For the collection of small business solid waste.

- (1) The Department will collect small business ~~solid waste~~ garbage and recycling set out in Department provided or approved containers meeting the requirements of § 51.507. ~~set out for collection by small businesses that use roll out carts provided by the Department. No other carts, garbage cans, plastic bags or containers may be used for the storage of or collection of solid waste in the Urban Services District. The Department will provide two 95-gallon carts per business~~ for garbage and/or recycling. A business owner may purchase additional containers from the Department for a maximum of four (4) containers if at least one (1) is for recycling; however, any waste in excess of this amount the business owner may be charged in accordance with § 51.403 for the collection of waste from containers other than the two 95-gallon carts provided.

Section 51.501 relating to Prohibited Activities

- Struck in its entirety.

Section 51.507 relating to Waste Container Specification

(3) ~~Paper bags may be used only for the storage and collection of yard waste.~~ Yard waste must be in containers meeting the specifications of § 51.507 (A)(2), in paper yard waste bags, or in compostable bags meeting ASTM D6400 standards. Tree limbs, branches, and brush must be cut into four-foot lengths no greater than two inches in diameter and securely tied into bundles weighing no more than 60 pounds each. Other collection methods, including vacuum leaf collection, may be utilized by waste haulers upon approval by the Board.

Section 51.510 relating to Prohibited Activities

(B)(4) Public solid waste receptacles placed on sidewalks and streets by or with the approval of Louisville Metro Government shall be used only for such solid waste materials as a pedestrian may have for disposal. Such receptacles shall in no case be used for the disposal of solid wastes accumulated in residences or places of business.



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- Supplemental slides begin after this slide to use as reference or to answer questions during the presentation.

Bulky Item by Appointment Results

Table 3-10 provides a detailed statistical profile of the Residential Bulky Waste stream.

Table 3-10 Detailed Residential Bulky Waste Composition

Material Category	Conf.			Material Category	Conf.		
	Average	Int (+/-)	Tons		Average	Int (+/-)	Tons
Paper	6.2%	3.9%	1,211	Glass	0.6%	1.1%	124
Corrugated Cardboard/Kraft Paper	3.1%	1.9%	601	All Glass	0.6%	1.1%	124
Remainder Composite Paper	3.1%	2.3%	610	C&D Materials	16.6%	9.7%	3,212
Plastic	1.0%	0.4%	199	Carpet	4.2%	2.7%	811
HDPE (#2) Buckets	0.3%	0.2%	58	Carpet Padding	Not found		
Clean Recoverable Film		<i>Not found</i>		Concrete/Block/Brick/Stone/Tile	0.4%	0.8%	87
Remainder/Composite/Other Plastic	0.7%	0.3%	141	Asphalt Paving		<i>Not found</i>	
Metal	0.6%	0.5%	126	Roofing Material	5.1%	8.5%	993
Appliances		<i>Not found</i>		Ceiling Tiles		<i>Not found</i>	
Other Ferrous Metal	0.6%	0.5%	126	Clean Gypsum Board	0.6%	1.0%	115
Other Non-Ferrous Metal		<i>Not found</i>		Painted Gypsum Board		<i>Not found</i>	
Organics	17.9%	11.9%	3,474	Dirt/Sand/Gravel		<i>Not found</i>	
Yard Waste	17.9%	11.9%	3,474	Insulation	0.3%	0.4%	55
Remainder/Composite/Other Organics		<i>Not found</i>		Remainder/Composite/Other C&D	5.9%	6.0%	1,152
Wood	24.5%	6.0%	4,759	Electronics	3.8%	4.0%	736
Pallets and Crates	0.6%	0.6%	114	Electronics	2.5%	4.0%	482
Untreated/Unpainted Lumber	1.1%	1.7%	206	Items with CRTs	1.3%	1.5%	253
Treated/Painted/Processed Wood	14.6%	4.7%	2,833	Other Wastes	28.7%	10.9%	5,558
Engineered Wood	3.0%	3.3%	580	Bulky Wastes/Furniture	7.0%	3.9%	1,365
Wood Furniture	3.5%	2.0%	672	Tire		<i>Not found</i>	
Other Wood	1.8%	1.5%	353	All HHW		<i>Not found</i>	
				Fines/Mixed Residue	1.2%	0.6%	236
				Mixed MSW	20.4%	10.4%	3,957
				Grand Total	100%		19,397
				<i>No. of Samples</i>	<i>10</i>		

Penalty

- (B) Any person who violates §§ 51.405, 51.500, 51.504, 51.505, 51.506, 51.507(A)(2) through (A)(6), 51.508, 51.509, and/or who fails to perform any of the duties imposed by these sections, or who violates any determination, permit, administrative regulation, or order of the Waste Management District or the Department promulgated pursuant thereto shall be liable for a civil penalty of not less than \$50 per day or per occurrence, and not more than \$2,500 per day or per occurrence. Each day upon which a violation occurs shall constitute a separate violation. For a first offense within a two-year period, a specific civil fine of \$50 per day will be imposed for each offense if the person who has committed the offense does not contest the citation. For each subsequent offense committed within a two-year period from the date of payment or conviction on the first offense, a specific civil fine of \$100 per day will be imposed for each offense if the person who has committed the offense does not contest the citation.

Shelby Park and Smoketown Neighborhood Cleanliness Pilot

To improve the cleanliness through education and outreach, improving the solid waste collection system, and improving compliance with community standards.

Shelby Park and Smoketown Neighborhood Cleanliness Pilot

Education & Outreach

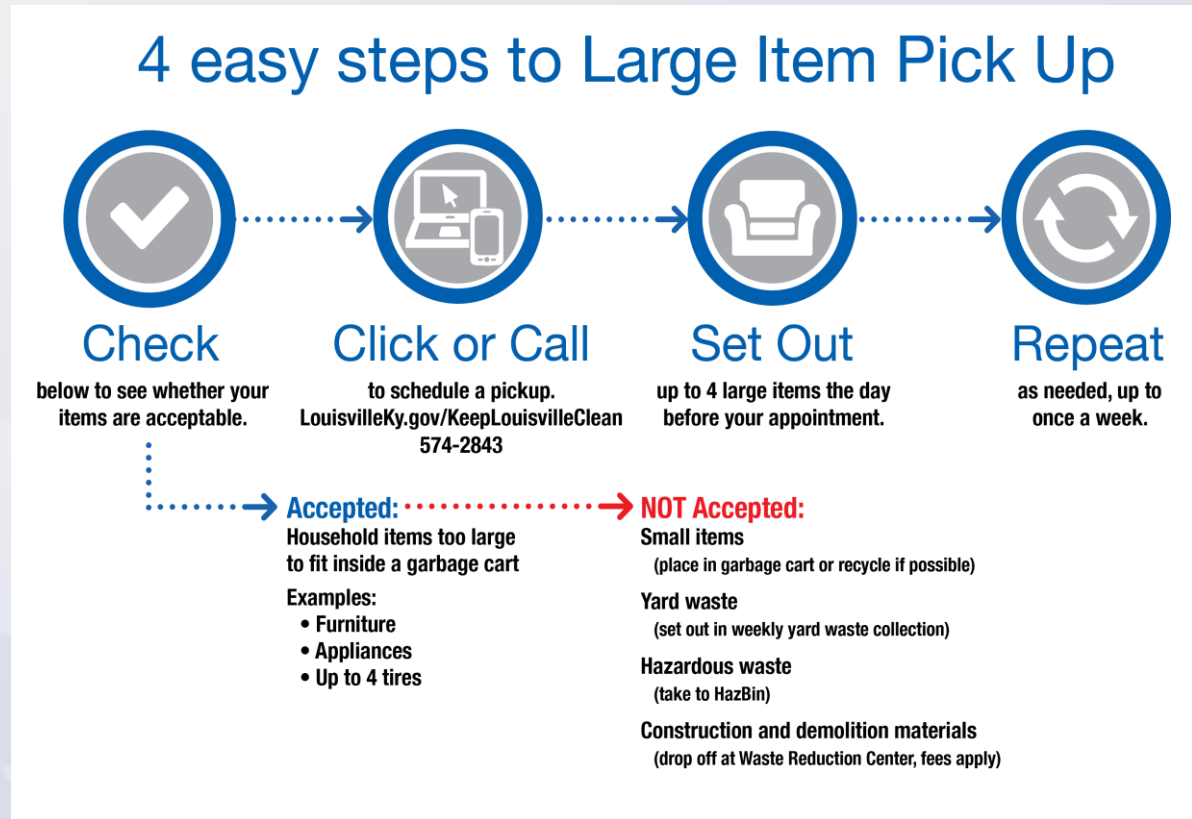
- Mailers, flyers, and info cards
- Website
- Digital media
- Attend community meetings and events




Shelby Park and Smoketown Neighborhood Cleanliness Pilot

Collection System Changes

- Added garbage carts and litter baskets to locations that consistently overflow
- Large Item Collection by Appointment



Shelby Park and Smoketown Neighborhood Cleanliness Pilot

Community Standards

- Educated citizens of ordinance and need to remove waste containers from setout location after service.
- Added Surveillance Cameras

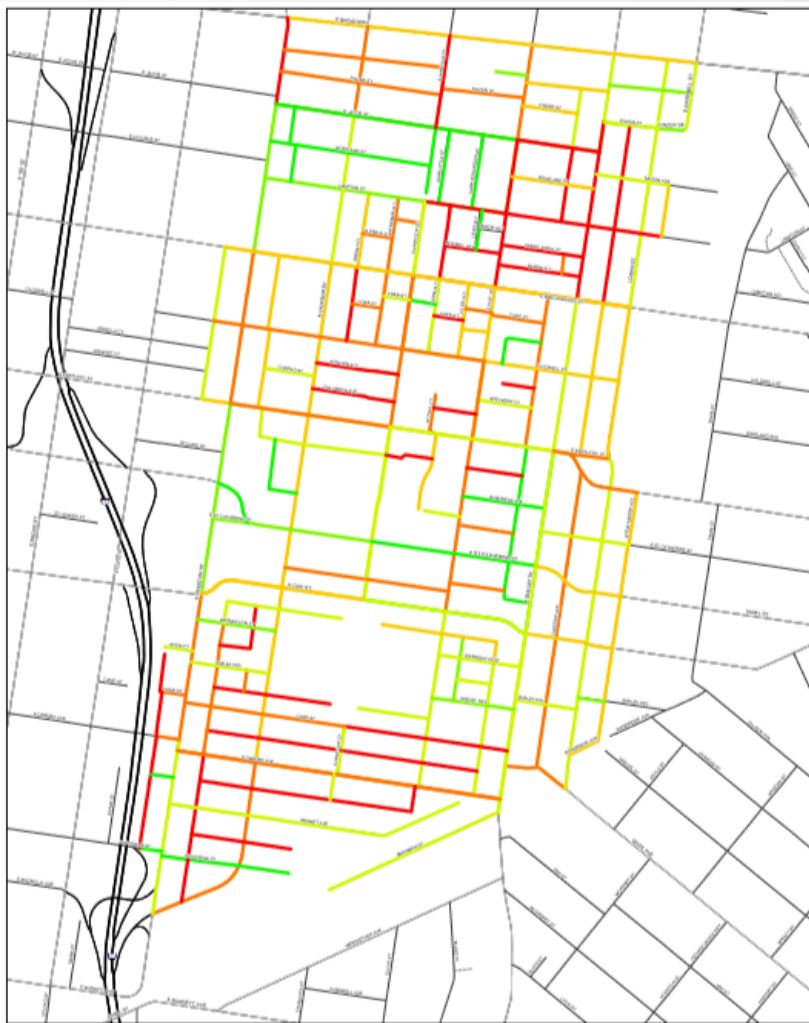


Shelby Park and Smoketown Neighborhood Cleanliness Pilot

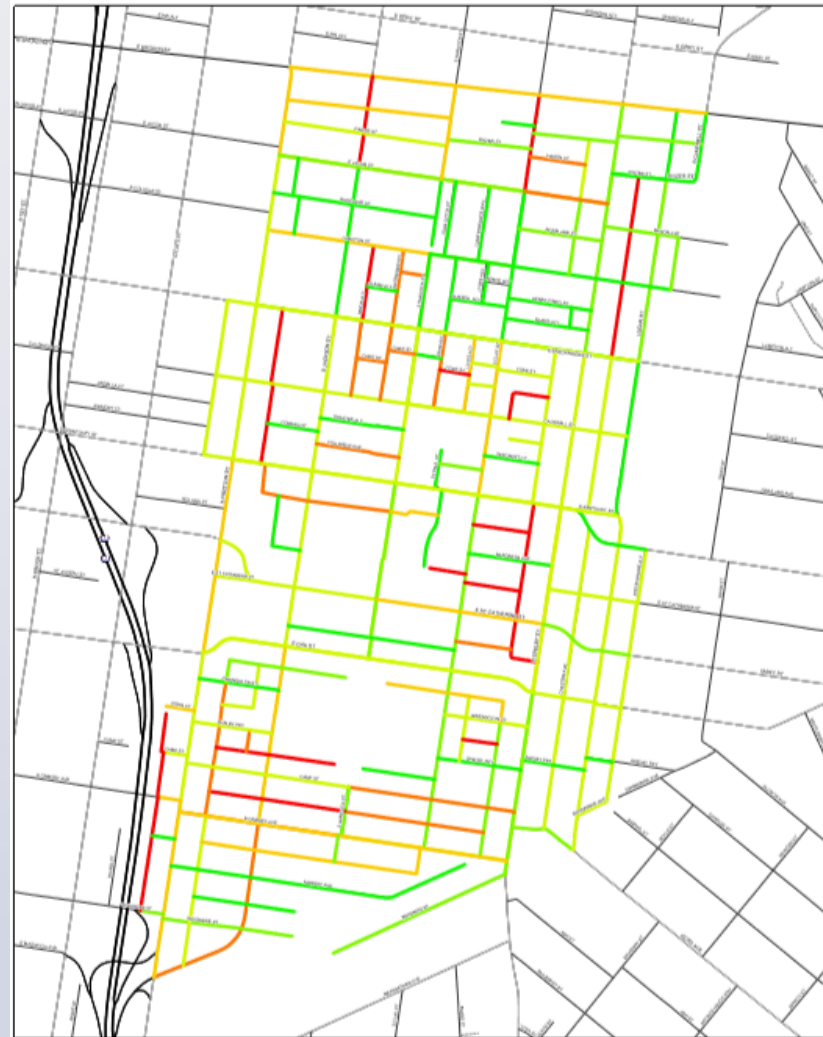
Cleanliness Improvement

	Scores			
	17-Mar	18-Aug	19-Mar	19-Aug
Zone A	2.50	2.18	1.92	2.08
Zone B	1.91	2.19	2.28	1.64
Zone C	3.15	1.99	1.95	1.44
Zone D	2.53	2.46	2.92	2.14
Zone E	2.94	2.35	2.85	2.21
Zone F	2.15	1.86	2.00	2
Zone G	2.68	2.86	2.35	2.42
Zone H	2.40	2.00	2.01	1.69
Zone I	2.29	2.21	1.63	2
Zone J	2.86	2.53	2.47	2.51
Zone K	2.67	2.44	2.42	2.01
Average	2.55	2.28	2.25	2.0

Shelby Park and Smoketown Neighborhood Cleanliness Pilot



August 2018
(2.28 Average Score)



August 2019
(2.01 Average Score)

Shelby Park and Smoketown Neighborhood Cleanliness Pilot

Summary

- Improved cleanliness
- Reduced illegal dumping and importation
- Reduced cost
- Reduced complaints
- Well received
- Was not big enough to answer all our questions