

Trash Carts

January 31, 2024

Finance, Governance, and Public Safety Committee



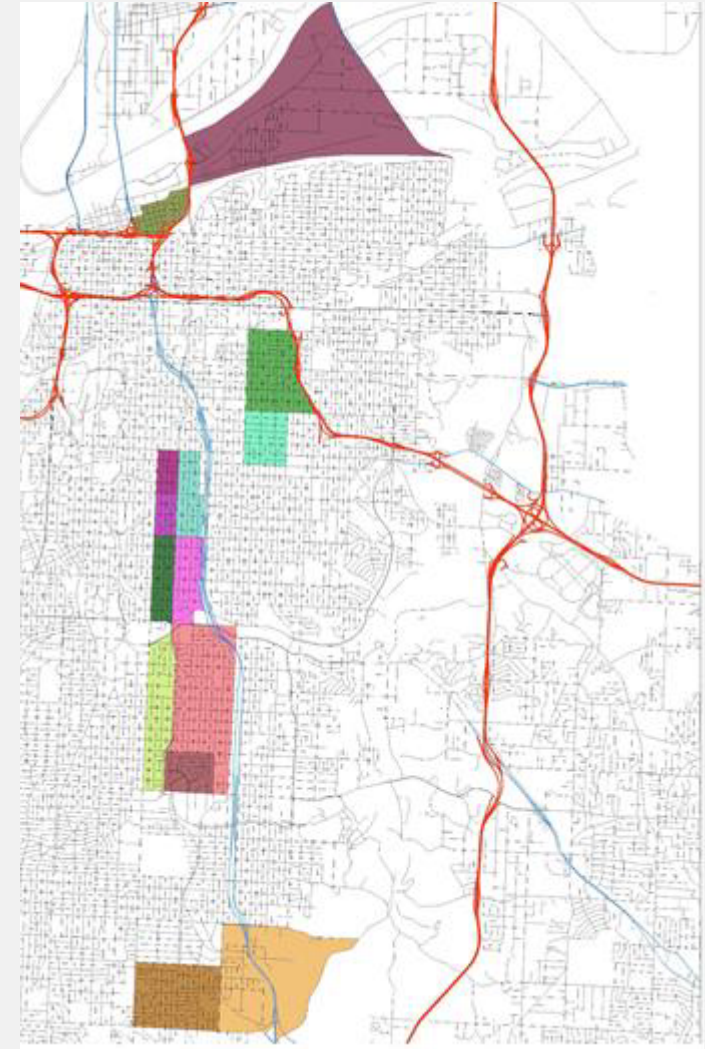
Trash Carts Overview

- Two types of trash cart collection - automated and semi-automated
- Current cart collection - 12,000 residences in twelve neighborhoods with carts
- Semi-automated cart collection currently used



Trash Carts - Neighborhoods

- Washington Wheatley
- Ivanhoe
- Columbus Park
- Marlborough
- Manheim
- Center City
- Citadel
- Eastern 49/63
- NE Industrial District
- Santa Fe
- Squier Park
- Tower Homes Association



Fully Automated Trucks

- One operator needed
- 800 to 1,000 homes served per route
- Automated arm loads and replaces trash cart to curbside



Semi-Automated Trucks

- Forty trucks available
- Three employees needed to service
- Services 900 to 1,100 houses per route
- Allows use in areas with heavier on-street parking
- Current mode of collection



Implementation

- Sixty-five gallon carts for trash and recycling
 - Blue cart with grey lid for trash
 - Blue cart with yellow lid for recycling
- All trash will need to be bagged
- Lids must be completely closed
- Crews will initially use semi-automated collection
- Phase in automated pickup system
- Disability service residents exempt

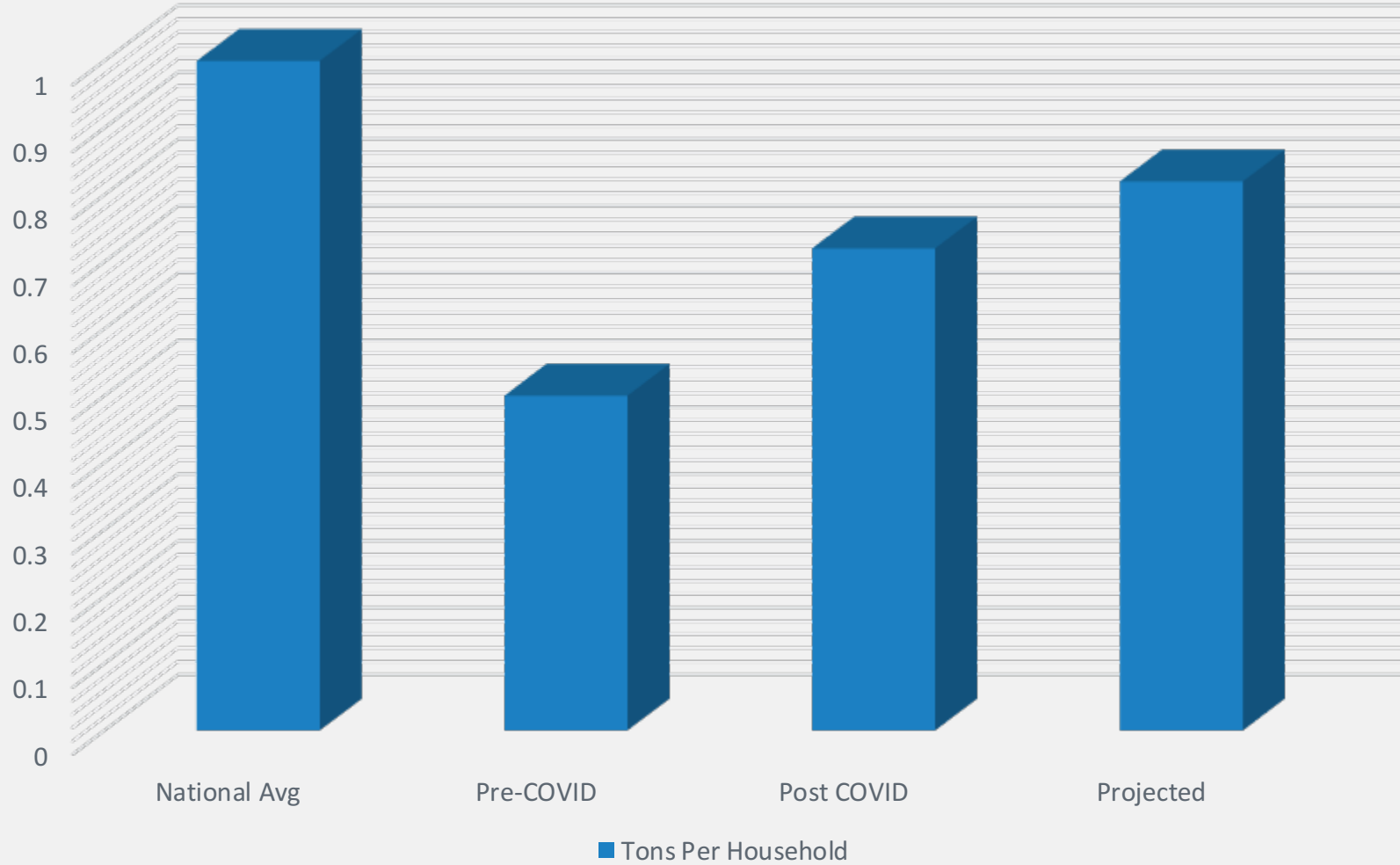


Impacts

- Reduced illegal dumping - trash carts will hold approximately 240 pounds of trash
- Increased disposal makes trash amnesty redundant
- Reduced loose trash and recycling on windy days
- Increases collection effectiveness
- Improved service delivery
- Reduces employee injury and staff turnover
- Protects trash from animals



Tonnage Comparisons



Trash Cart Implementation Process

- Deployment expected to begin May 2024
- Friday households will receive the first phase of deliveries
- Deployment expected to be complete October 2024



Purchasing Carts – Ordinance #240093

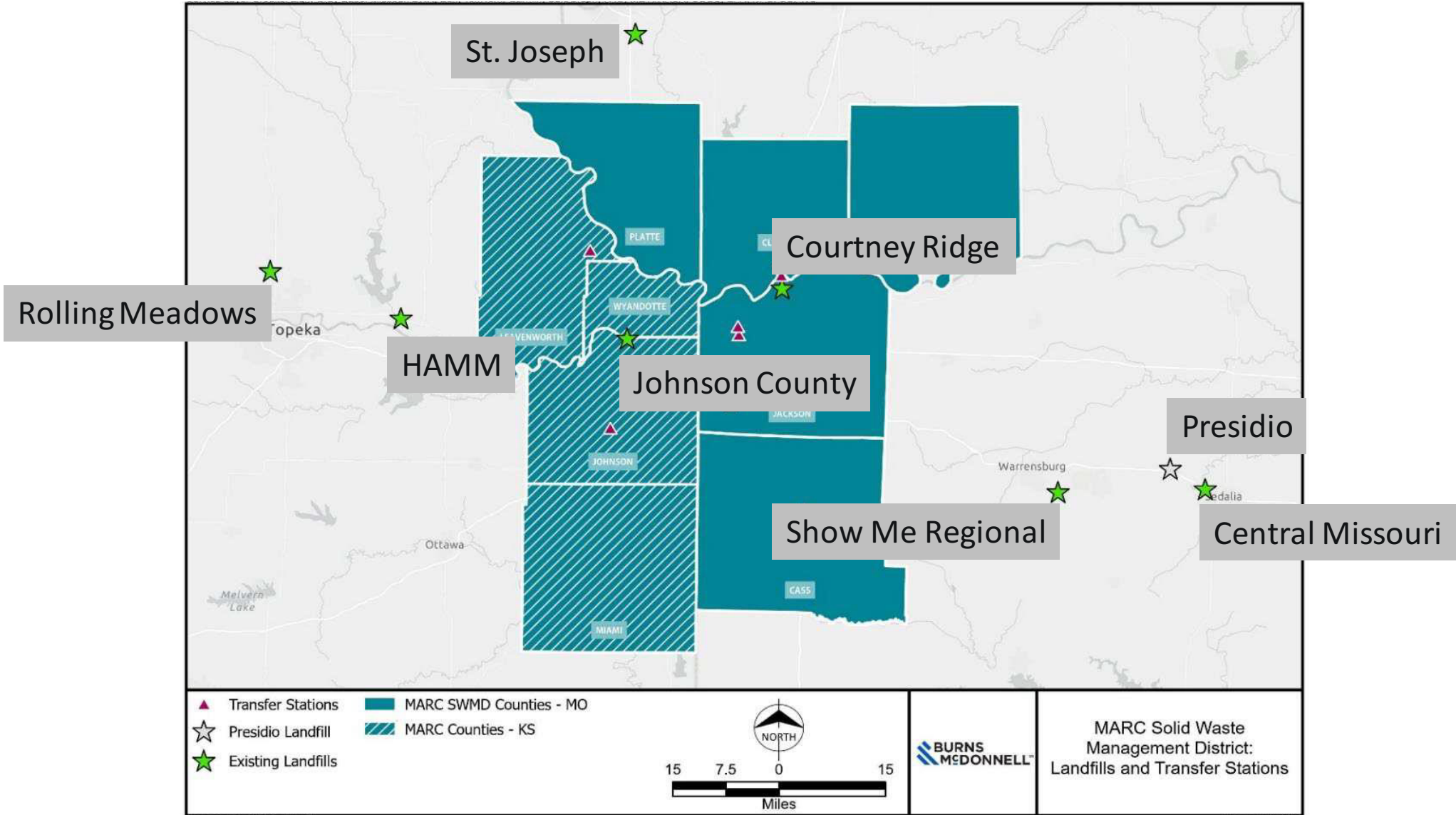
	Quantity	Unit Price	Cost
Trash Carts – 65 Gallon	170,000	\$49.09	\$8,345,300
Freight, Assembly, Delivery			\$167,005
Total Uses of Funds – Purchase of Carts – 65 Gallons			\$8,502,500

Increased Service Costs

	Quantity	Annual Cost Per	Annual Growth Rate	FY23	FY24	FY25	FY26
Contract Recycle Outsourcing	52,409	\$7.56	3%		\$ 4,897,180.81	\$ 5,044,096.24	\$ 5,195,419.13
Recycling Processing	52,409	\$1.05	3%		\$ 660,353.40	\$ 680,164.00	\$ 700,568.92
Disposal	40,000	\$45.00	3%		\$ 1,854,000.00	\$ 1,909,620.00	\$ 1,966,908.60
Cart Maintenance	324,000	Flat Fee	+2,000 Carts Yearly	\$ 214,300	\$ 218,284.76	\$ 218,284.76	\$ 218,284.76
Rental Trucks	8	\$96,000			\$ 768,000.00	\$ 768,000.00	\$ 768,000.00
Total Uses of Funds – Ops, Maintenance, and Debt Service				\$ 214,300	\$ 8,397,818.97	\$ 8,620,165.00	\$ 8,849,181.41

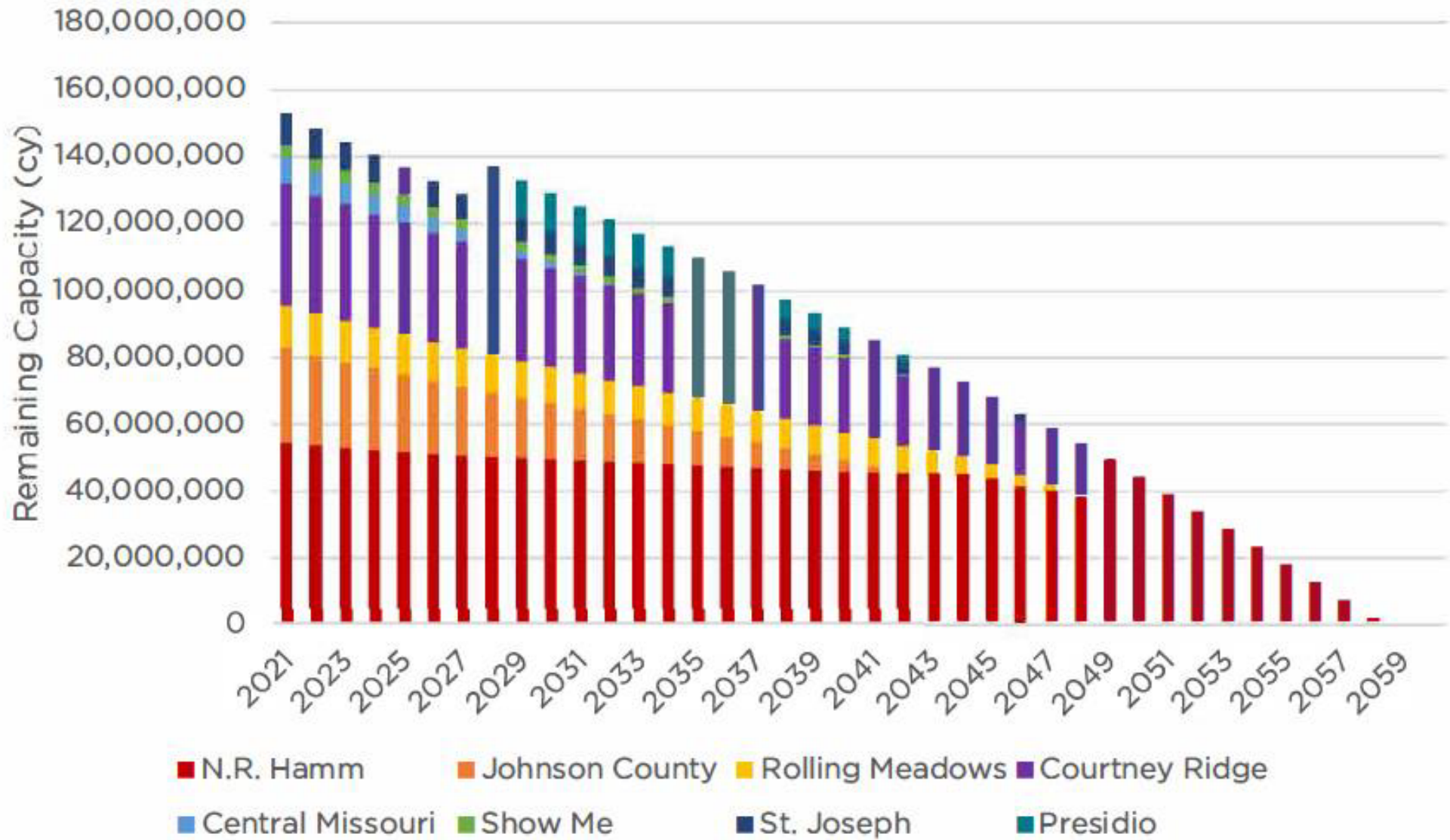


KANSAS CITY MISSOURI



Landfill Final Closure Year

State	Landfill	Final Year
KS	HAMM	2045
KS	Johnson County	2037
KS	Rolling Meadows	2041
MO	Central Missouri	2030
MO	Courtney Ridge	2036
MO	Show Me Regional	2035
MO	St. Joseph	2043
MO	Presidio	N/A



Recommendations

- Enact host fees for transfer stations in Kansas City
- Implement a P3 partnership on a waste minimization facility
- Continue investing in waste diversion programs that emphasize recycling, reusing, and composting

