

Alley / Curb Dumpster / Rollcart Recycling

Making The Transition With
Household Waste

Historical Level of Residential Service

- 2x/week trash picked up from alley/curb
- 1x/week yard waste picked up from alley/curb
- 1x/month bulky/B.O.A.T. (automotive batteries, motor oil, appliances, tires) picked up from alley/curb
- 1x/month household drop-off of truckload of any of the above
- 27 drop-off recycling sites

Where We Are Today Trash

- 2009 Solid Waste From Alley Dumpsters / Curb Rollcarts
 - Landfilled 142,646 tons
 - Spent \$4,871,895 in landfill disposal fees

Round Body Holds 5 Tons,
Empty Truck Totals 15 Tons



Square Body Holds 7 Tons,
Empty Truck Totals 16 Tons



Trucks
Used To
Haul Trash,
Yard Waste,
Or
Recyclables

Where We Are Today

Drop-Off Recycling

- 27 drop-off sites
 - 26 hauled by Refuse Division, 1 maintained by contractor
 - 2009: Diverted 3,885 tons (3%)

Where We Are Today

Curb Recycling

- Cost-Sharing Pilot (Funded by Grant and Household)
 - 7 zip codes: 63108, 63110, 63112, 63113, 63116, 63139, 63147 (which contain about 80,000 households)
 - Grant funding limits subscribers to only 3,000 households
 - Household pays \$60 for twelve months of service, City uses grant to pay remaining \$48/year (total cost is \$108/household/year)
 - Household uses a 20-gallon bin placed at curb once per week
 - Hauled by contractor
 - 2009: Diverted 1,114 tons (0.8%)

Where We Are Today

Curb Recycling (continued)

- Alley/Curb Pilot 1/2008 (Funded by City's General Revenue, Household paid no out-of-pocket costs)
 - 2 Wards: 7, 21 (which contain about 13,823 households)
 - Pilot service covered approximately 3,492 households
 - Household used 96-gallon rollcart placed at curb once per week or 600-gallon alley dumpster collected once per week
 - Hauled by Refuse Division
 - Recyclables / Trash Collected [3 Months] = 58.94 tons / 1,058.14 tons
 - Diversion Rate [3 Months] (i.e., both Wards, dumpsters and rollcarts) = 5%
 - Participation Rate [3 Months] (i.e., rollcarts only, rollcart set out, recyclables in rollcart) = Average 22%

Where Are We Going? – Logistics

- Funding
 - \$11/month/household fee for all solid waste services (i.e., trash, yard waste, bulky/B.O.A.T., recycling)
- Alley/Curb Dumpster/Rollcart Recycling phased in gradually per year (e.g., Ward, neighborhood, zip code, hauling route, etc.)
 - Ensure implementation of system that will be effective and efficient over long-term (e.g., monitor collection containers and hauling, outreach and education, etc.)

Where Are We Going? – Logistics (continued)

- Recycling Collection Containers (In Some Wards)
 - Alleys: 500- and/or 600-gallon blue dumpsters (1 or more per alley)
 - Curbs or alleys: 96-gallon blue rollcarts (1 per initial green rollcart)
- Type of Recycling Collection
 - Single-stream: all recyclables mixed in same blue dumpster / rollcart (separated from trash)
- Collection Schedule: Per 2007 study, minimum 41-53% *volume* readily recyclable in existing markets
 - 1x/week trash, 1x/week yard waste, 1x/week recycling

Where Are We Going? – Logistics (continued)



City of St. Louis Refuse Division -
Recycling Program (9/2010)

Where Are We Going? - Recyclables

- Materials Accepted For Recycling
 - Aluminum: bottles, cans, foil, pie plates, trays
 - Aseptic packaging (e.g., boxes or packs that held juice, soup, soymilk, etc.)
 - Gable-top (peaked) containers (e.g., cartons that held juice, milk)
 - Glass: brown, clear, green bottles, jars [No window glass]
 - Plastics: containers that held beverages, foods, bodycare products, household cleaners, etc. and are marked #1, #2, #3, #4, #5, #7 [No plastic bags]
 - Steel: bottles, cans

Where Are We Going? – Recyclables (continued)

- Materials Accepted For Recycling (continued)
 - Unwanted mail
 - Magazines
 - Newspapers
 - Office and school papers
 - Corrugated cardboard (e.g., packing boxes), *flattened*
 - Chipboard/paperboard (e.g., dry food boxes), *flattened*
 - Carrier stock (e.g., soda cartons), *flattened*
 - Telephone books

What Are Our Recyclables Recycled Into?



- aluminum cans into aluminum cans
- glass bottles and jars into glass bottles and jars
- plastic containers marked #1, #2, #3, #4, #5, #7 into carpet, lumber, toys, etc.
- steel into various steel products
- mail, office papers into tissue
- catalogs, magazines, office papers, newspapers into newspapers
- office papers into roofing felt
- office papers and corrugated cardboard into corrugated cardboard (e.g., packing/shipping boxes)
- newspapers into paperboard (e.g., dry goods boxes)
- paperboard into paperboard
- carrier stock into office papers

Why Recycle?

■ Economics

- Avoid landfill fees, potential recyclables revenue

■ Social

- Jobs: 1 job in landfill/incineration = 10 jobs in Conventional Materials Recovery Facility [Institute For Local Self-Reliance]
- Businesses: “Almost 16,000 people are employed in 1,500 local recycling businesses...” [St. Louis-Jefferson Solid Waste Management District]

■ Environment

- Less air, water, soil pollution
- Conserve and protect natural resources, animals, Earth

■ Health

- You, your children, your grandchildren

■ Cleaner, More Attractive Neighborhoods

- Less illegal dumping or litter when materials valued

How To Stay In Touch, Learn More, Work Together?

- Web (e.g., Recycling Program, neighborhood associations)
- E-Mail (e.g., Recycling Program, Alderpersons, neighborhood associations)
- Newsletters (e.g., Recycling Program, Alderpersons, neighborhood associations)
- Literature Displays (e.g., Recycling Program drop-off site kiosks, City Hall)
- Bulletin boards (e.g., libraries, community groups)
- Direct mail
- Media (e.g., television, newspaper, radio)

For More Information

- To request services, report problems, offer compliments:
 - Citizens' Service Bureau (CSB)
 - Web until 9/30/10 <http://stlouis.missouri.org/citygov/recycle>
 - Web starting 10/1/10 <http://stlouis-mo.gov/government>
 - Phone 314.622.4800
- General questions, comments, suggestions about reduce, reuse, recycle:
 - City of St. Louis Refuse Division – Recycling Program
 - Web until 9/30/10 <http://stlouis.missouri.org/citygov/recycle>
 - Web starting 10/1/10 <http://stlouis-mo.gov/government/departments/street/refuse/recycle>
 - E-Mail recycle@stlouiscity.com

Thank You.

Questions? Comments?

Suggestions?

*Look For
This Signage
In Alleys
Or
At Curbs
■ Front Wall
Of Blue
Dumpsters
■ Inside Lid
Of Blue
Rollcarts*

Single-Stream Recycling

Rinse containers. Discard caps and lids. Labels do not need to be removed. Do not include food contaminated materials. If in doubt, leave it out.
No Plastic Bags

| | | | | | | | |
|--|--|--|---|--|--|--|--|
| ALUMINUM Cans  | Foil, Pie Plates & Trays  | PLASTIC  | | | | | |
| ASEPTIC PACKAGING Boxes & Pouches  | GABLE-TOP CONTAINERS Cartons  | GLASS Bottles & Jars  | STEEL Cans  | | | | |
| CARDBOARD Carrier Stock, Chipboard, Paperboard, Kraft Paper Bags & Corrugated Cardboard  <p>MUST BE FLATTENED</p> | | PAPER Junk Mail, Magazines, Newspapers, Office Paper & Telephone Books  | | | | | |