

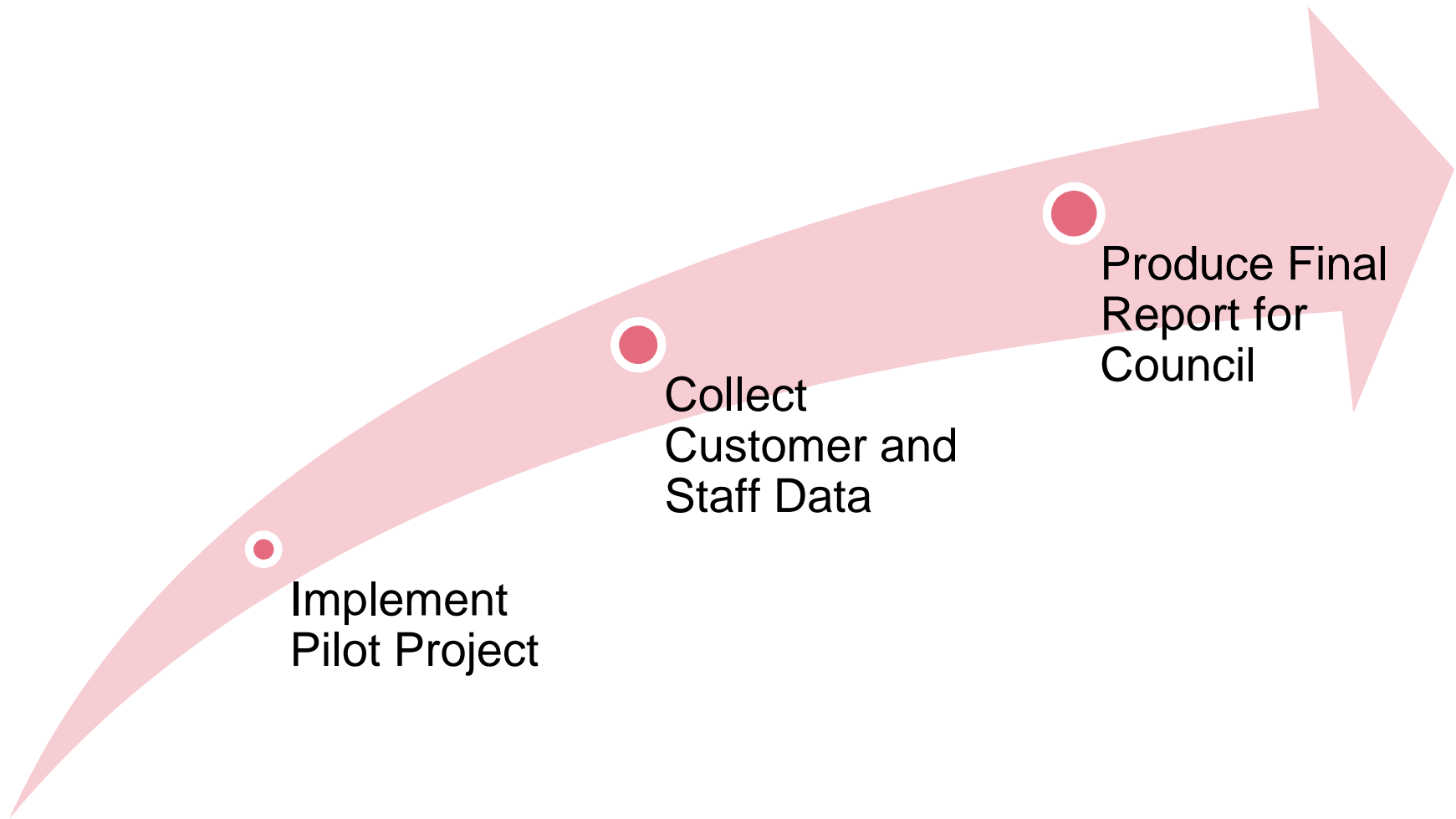
Roll Cart - Automated Trash Collection Pilot Project Proposal



PILOT Project Overview

Columbia Public Works
John Glascock, P.E., Director
Richard Wieman, Solid Waste Utility Manager

PILOT Project Goals



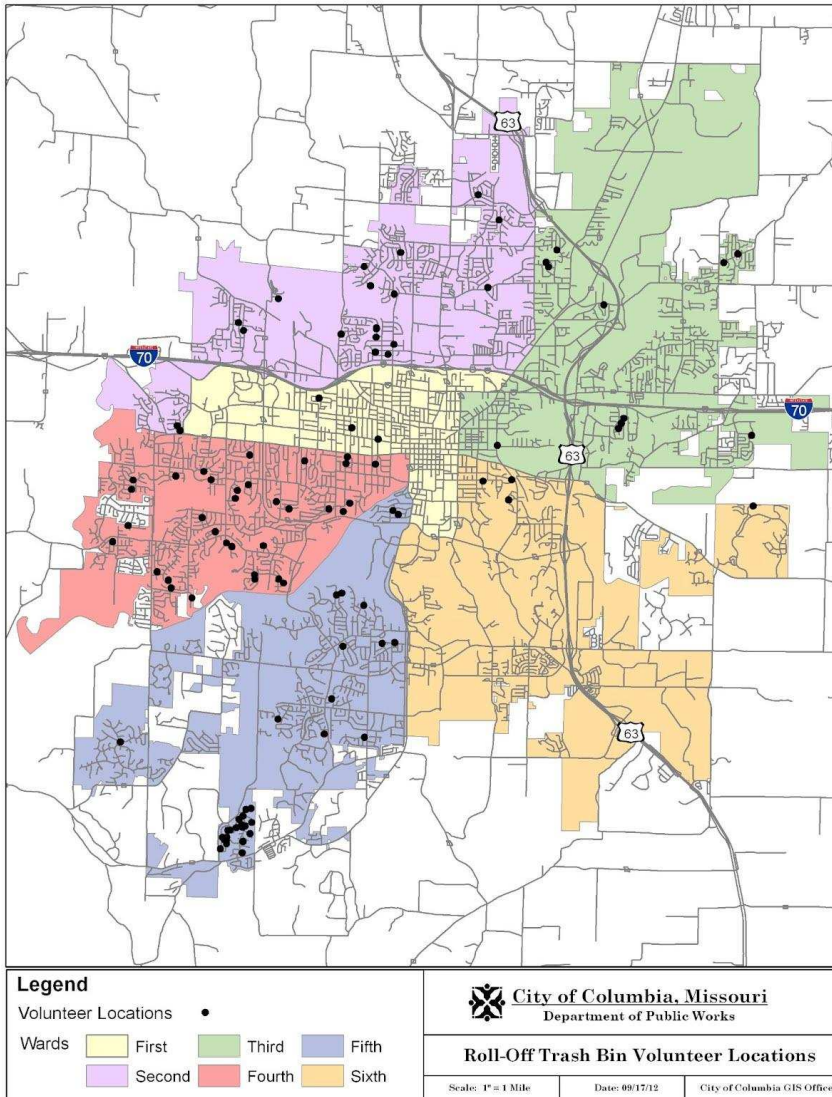
PILOT Project Goals

- Introduce Roll Carts to our Customers
 - Implement Realistic Pilot Program
 - Gather Customer Experience Data
 - Gather Staff Experience Data
 - Compile Data in Report to Council
 - Utilize Data to Design Automated Trash Collection System if Directed by Council

PILOT PROJECT Description

- How Will We Accomplish our Goals?
 - Identify Participants
 - Council Selected
 - Volunteer
 - Ideally 600 Participants
 - 100 From Each Ward
 - Various Age Groups
 - Various Locations (East Campus)

PILOT PROJECT Description



104 Current Volunteer Participant Locations

PILOT PROJECT Description

- Provide Participants with Educational Materials
- Provide Participants with User Pledge
- Provide Participants with Pre-Survey
- Provide Participants with Cart(s) in Late December
- Collect Data Throughout Project
- Remove Carts First Week of July 2013
- Collect Post-Surveys
- Report to Council in July 2013

PILOT PROJECT Description

48, 64, and 96 Gallon Roll Carts



PILOT PROJECT DESCRIPTION

- Why Not 32 Gallon Roll Carts?
 - Industry Moving Away
 - Difficult to Service with Automated Trucks
 - Carts This Size Slip From Arm
 - Customers Tend to Over Pack
 - Makes Emptying of Cart Difficult
 - Unstable in Windy Conditions
 - Being Replaced by Other Cities and Industry with 48 Gallon Cart

PILOT PROJECT Fees and revenue

Current Rates and Annual Income

Current Program	Units Serviced	Monthly Rate	Annual Revenue
Bag Vouchers	33,597	\$15.42	\$6,216,788.88

Proposed Rates and Annual Income

Roll Cart Size	Units Serviced	Monthly Rate	% of Carts	Annual Revenue
96	8,399	\$16.67	25	\$1,680,135.96
64	20,158	\$14.67	60	\$3,548,614.32
48	5,040	\$12.67	15	\$ 766,281.60
Additional Cart	1,680	\$10.00	5	\$ 201,600.00
				\$6,196,631.88

PILOT PROJECT Fees and revenue

- Pilot Fees Will Be Realistic to Proposed Fees
- Additional Carts Available for Monthly Fee
 - \$10.00
- Bag(s) Outside of Cart
 - \$1.00 per bag
 - Will sell stickers to place on bags
- Bulky Items
 - \$5.00 per item
 - Defined as items such as chairs, sofa, etc.

PILOT PROJECT SAVINGS POTENTIAL

- Current Bag Voucher Program
 - Eight (8) Residential Routes
 - Two Employees per Route
 - Average House Count per Route per Day is 861
- Proposed Automated Collection Program
 - Eight Residential Routes
 - One (1) Employee per Route
 - Realistic House Count per Route per Day is 1,000 to 1,100.
 - Two Bulky Item Trucks with Two Employees per truck

Pilot Project Educational efforts

- **Pilot Project Participants**
 - Provide “Owner's Manual”
 - Provide Participant Pledge
 - Provide Pilot Project Surveys
 - Establish Human Contact
 - Establish Electronic Forum to Report Issues
 - Establish Social Media Forums to Report Issues
- **City Wide**
 - Presentations to Neighborhood Associations, Civic Groups, Public Forums
 - Static Displays of Carts with Comment Cards and Box
 - Partner with Media on Multiple Levels for Information Distribution

Potential Ordinance Changes

- Establish Times
 - Cart Set Out Time
 - Cart Returned to House
- Location of Carts for Collection to Occur
 - Carts May Not be Placed Closer than 6' to Mailboxes
 - Carts May Not be Placed Closer than 3' to Other Objects
- Addressing Over Filled Containers and Bulky Items
- Collection of Bags Outside of the Cart(s)
- Carts Used by Others to Avoid Fees
- Lost, Damaged, or Stolen Carts

Potential Ordinance changes

- Cleaning and Maintenance of Carts
- Change to Ordinance which Provides Trash Bag Vouchers
- Address Multiplex Units to Define Between Cart Use and Dumpster Use

Council Questions



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