Solid Waste Management Collection Evaluation
Public Input Meetings
February 16 + 21, 2017
Project Purpose

- Identify and analyze options available to the City to:
  - Maximize efficiency
  - Make recommendations for changes to the current residential garbage collection system

- Provide the City with the tools, feasibility costs, and implementation recommendations to successfully meet the needs of the citizens
Project Approach

Baseline of the current residential garbage collection system
- Review of City-provided data (billing, routes)
- Route observations
- Operational and financial model development

Benchmark current policy and practices of similar communities (8)

Identify potential modifications to the system to be considered
- Route rebalancing and optimization of existing system
- Modifications to current collection practices
  - Change to a 4-day Collection Cycle
  - Volumetric Rate Cart and Bag structure for both curbside and alley customers
  - Residential curbside and alley grass clipping collection.
Key Recommendations

- **Rebalance** garbage collection routes
- **Move** to 4-day per week curbside collection schedule
- **Adopt** a volumetric rate structure for residential garbage collection
- **Provide** seasonal residential yard waste pick-up, and cease operating a majority of the seasonal grass clipping drop sites
# Key Recommendations

**Residential Curbside Garbage Collection**

<table>
<thead>
<tr>
<th>Recommendations</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>Rebalance curbside collection routes</td>
<td><strong>Efficiencies gained</strong> = system cost savings</td>
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<tr>
<td><strong>Move to 4-day per week</strong> schedule, rather than five days per week</td>
<td><strong>Solves</strong> the Friday carryover of garbage until Monday during holiday weeks</td>
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<td></td>
<td><strong>Eliminates</strong> the need for 13 Roads and Street employees to assist with collecting garbage after holidays (reduces total crew size by one third six times a year)</td>
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### Key Recommendations

**Residential Alley Garbage Collection**

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<tr>
<td><strong>Rebalance alley collection routes</strong></td>
<td><strong>Potential for system cost savings</strong></td>
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<tr>
<td><strong>Perform a feasibility analysis for alley customers that could be served with fully automated collection service</strong></td>
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Initial review of alley pick-up locations using GIS analysis and field visits showed that converting 1,712 of the 1,912 alley customers to an automated collection system appears possible.
Key Recommendations
Volumetric Rate Structure Residential Curbside and Alley Garbage Collection

**Recommendations**

- **Recommendations**
  - Adopt a volumetric rate structure for residential collection, based on size cart selected and specially marked bags for out-of-cart set-outs.
  - Allow additional residential garbage set-outs during Thanksgiving and Christmas without need for specially marked bags.

**Benefits**

- Volumetric rate is more equitable approach to cost relative to amount of garbage set out.
  - 4-day week for curbside makes volumetric rate approach more equitable for former “Friday customers” who will not have to hold two extra days’ worth of garbage until the following Monday.

For Excess waste:
- Offer free, non-transferable, disposal voucher at landfill for City residential property owners on a quarterly basis (with weight limits).
- Continue the twice yearly cleanup weeks.
## Key Recommendations

**Residential Yard Waste Collection**

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<td><strong>Provide</strong> seasonal residential curbside and alley yard waste pick-up (voluntary program)</td>
<td><strong>Convenience</strong> for customers</td>
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<tr>
<td><strong>Cease operating</strong> a majority of the seasonal grass clipping drop sites</td>
<td><strong>No additional cost</strong> to the customers</td>
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<td><strong>Potential for net cost savings</strong></td>
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Key Recommendations
Residential Yard Waste Collection

- Current yard waste collection system consists of:
  - 18 yard debris collection sites with dumpsters located around the City
  - Collected seven days per week during the growing season (May – Oct)
  - Three rear-load vehicles for collection from these sites each day (May-Oct)
- The City could offer 96-gallon cart collection of yard waste to residential curbside and alley customers
Key Recommendations

- **Rebalance** garbage collection routes
- **Move** to 4-day per week curbside collection schedule
- **Adopt** a volumetric rate structure for residential garbage collection
- **Provide** seasonal residential yard waste pick-up, and cease operating a majority of the seasonal grass clipping drop sites
Questions or Comments?