Bulk Waste Program:

Impacts on Public Works

Presentation Outline:

1. Program History
2. Current Program Overview
   a. Program Details
   b. Staff Time
   c. Equipment Usage and Related Costs
   d. Citizen Survey Results
   e. Communications Campaign
   f. Employee/Equipment Safety
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4. Sandy City Process Improvement Goals
5. Key Point Summary
6. Questions & Answers

Program History

1. Began over 30 years ago.
2. Started as a spring community clean-up program
3. 1995 - program changed to a monthly pick up (failed)
4. 1998 - moved to the current spring and fall collection program.
5. Current bulk waste program hasn't changed for over 20 years.

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Current Program Details

1. Entire Streets Division
   a. 40 hours per week
   b. 24 weeks a year (12 in spring, 12 in fall)
2. Loaders pick up debris and trucks cycle waste to landfill
   a. Over 4,000 trips each year
3. Scheduling is weather/snow dependent
   a. Spring: Start West to East
   b. Fall: Start East to West
4. 2020 Fall Schedule:
   a. September 14-November 19
   b. Working four 10-hour shift days
   c. Time sensitive projects are worked on Fridays as overtime

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Staff Time

1. Streets Division – Authorized 28 Personnel (authorized 27 in 1990 before current program)
2. Personnel diverted from maintenance 24 weeks each year
3. On hold: All in-house road maintenance, concrete replacement, and tree trimming
4. Staff Concerns:
   a. Prefer working on maintenance crews
   b. Lack of citizen compliance
   c. Safety

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Equipment Usage and Related Costs

1. **Loaders (2):**
    a.   O&M - $4,550 each/yr.
    b.   Replacement cost = $130,000 each
    c.   12 yr. replacement

2. **Leaf Trucks (5):**
    a.   O&M - $17,380 each
    b.   Replacement cost=$150,000 each
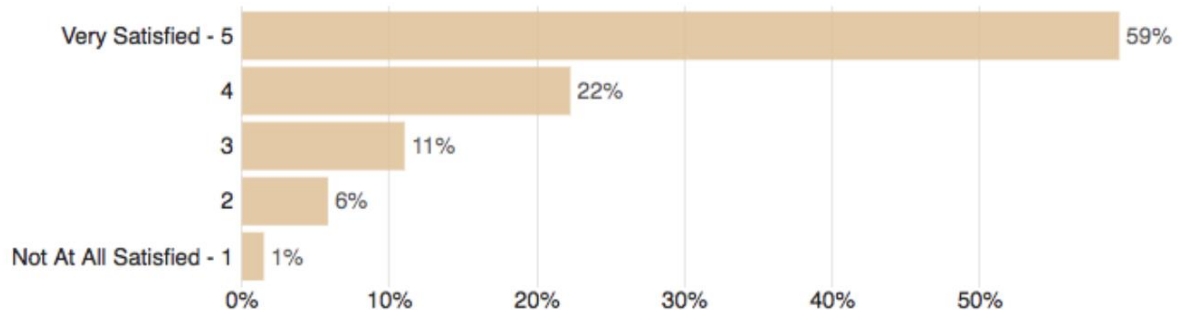   c.   10 yr. replacement

3. **10-Wheel Trucks (17):**
    a.   O&M - $6,975
    b.   Replacement cost=$225,000 each
    c.   10 yr. replacement

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Citizen Survey Results

1. Results from 2018 Public Works & Public Utilities Survey
2. 1040 Total Responses (52% response rate)

Bulk Waste Program

Citizen Survey Comments

Positive Comments

- Many residents like the program
- Simple
- Convenient
- Helps keep city clean and a nice place to live

Negative Comments

- Trash on street = ugly city
- Blowing debris
- Want more options/dates
- Illegal Dumping/Scavengers
- Hazards to children

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Communications Campaign

1. Promote Program Guidelines via:
    a. Direct Mail
    b. Newsletter
    c. Website
    d. Email Blast
    e. Social Media Channels

2. Continued Education throughout the year

Communications Campaign

Bulk Waste Program Guidelines

[FALL 2020] *Scavenging is discouraged!*

FOR SANDY RESIDENTS ONLY

This service is not available to [...] condos, mobile home parks or re[...]

Items Sandy City WILL NOT pick up

1. Place bulk waste curbside no sooner than the Saturday prior to your scheduled collection date (noted on reverse side)* or no later than 7:00am on your scheduled date. Residents can be cited for items placed out too early.

SAT

2. Do not put waste on the parkstrip, against a fence, on top of a utility box or storm water inlet grate, or within 3[...] of a fire hydrant. Put the pile in the street.

3. Place all GREEN WASTE (branches, shrubs, wood) in one pile. Place all OTHER TRASH into a separate pile.

2 feet

4. Don't park within 15 feet of either pile.

15 feet

5. Loose m[...] (leaves[...] needle[...] chips,[...] be pl[...] trash[...] box[...]

6. Lawnmowers and other similar items must have the oil and gasoline removed.

7. 55 gallon containers must be emptied and have either the tops removed or be cut in half.

8. All materials including tree limbs and stumps should be cut into 4 foot lengths and be no more than 18" in diameter.

9. If you hire a landscaper or contractor to do work at your home, they are responsible for removing and disposing all debris.

10.

Bulk Waste Program Guidelines

[SPRING 2020] *Scavenging is discouraged!*

Do not put waste on the parkstrip, against a fence, on top of a utility box, against a fire hydrant, or on a storm water inlet grate. Put the pile in the street.

Vehicle parts, tires, or propane tanks are **not** accepted.

Items containing a refrigerant such as Freon (refrigerators, freezers, and air conditioners) must have the chemical removed by a professional and a copy of the receipt must be attached to it.

Lawnmowers and other similar items must have the oil and gasoline removed.

Employee/Equipment Safety

1. 25% (45 of 178 since 2000) of Public Works accidents over the last 20 years occurred during Bulk Waste collection.

2. Common accidents:
   1. Trucks hitting objects (19)
   2. Loaders hitting objects (12)
   3. Debris falling from equipment (5)

3. Common injuries:
   1. Trips & Falls
   2. Cuts & Bruises
   3. Back & Arm Strains

Spring 2020
Citizen Infractions/Violations (263)

1. Freon filled appliances (43)
2. Tires & vehicle parts (41)
3. Paint (31)
4. Fuel, oil, propane or unknown (11)
5. Glass (22)
6. Waste leaned against pole/fence/tree (18)
7. Rocks, dirt, sod, etc. (21)
8. Construction debris (11)
9. Blocking hydrant or utility (9)
10. Illegal dumping (27)
11. Pile not in street (5)
12. Parking violation (5)
13. Unknown hazmat (3)
14. Very large piles (10)
15. Damage from rule violation (6)

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Top 3 Citizen Infractions

1. Hazardous Waste (88)

Refrigerators, paint, oil, solvents, propane tanks, etc.

2. Contractor/Landscaper Debris (11)

Construction/Landscaping debris is increasing. Residents schedule contract work prior to Bulk Waste Pickup and leave debris at curb.

6 loads at this home

3. Illegal Dumping (27)

Occurs in the evening on main roads. Increases risk to employees, and requires additional staff.

Surrounding City Programs

Surrounding City Programs

City	Program
1. Salt Lake City	Call to Haul
2. South Salt Lake	Box/Bundle/Bag
3. Midvale	Box/Bundle/Bag
4. West Valley	Box/Bundle/Bag
5. Draper	Dumpsters
6. West Jordan	Dumpsters
7. Riverton	Dumpsters
8. South Jordan	Dumpsters & Box/Bundle/Bag
9. Cottonwood Heights	use WFWRD (dumpsters)
10. Taylorsville	use WFWRD (dumpsters)
11. Herriman	use WFWRD (dumpsters)

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Call-2-Haul Program
(Salt Lake City)

Rules:

- Large bulky items that don't fit in waste container
- One collection per year
- Pile size limit 8' x 4' x 2'
- No more than 24 hours prior to pickup
- Pickup between 7 AM - 2 PM
- Bigger/more items, resident to haul to landfill/use private hauler.
- Enforce through education/not picking up waste.

Cost/Resources:

- No cost to resident
- City dedicates 8.5 people plus trucks & loaders ($1.3M).

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Box/Bundle/Bag Program
(Midvale, S. Salt Lake, West Valley, S. Jordan)

Common Rules: (vary for different cities)
- Max. weight of 75 lbs.
- No hazardous materials, construction debris, tires
- Bundles: length of 4 to 5 feet, diameter 1.5 feet
- Max. tree limb diameter of 3 inches in bundles
- Yard waste bagged, no grass clippings

Scheduling/Costs:
- Midvale: April & October with garbage collection
- South Salt Lake: Spring & Fall with garbage collection
- West Valley: Monthly with garbage collection
- South Jordan: Pick up by appointment - $15 fee

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Dumpster Program
(Draper, W. Jordan, Riverton, S. Jordan, S. Salt Lake)

- **Dumpster Size and Cost:**
  - Draper: 20 & 30 yard - $120 & $150. Limit 3/year.
  - West Jordan: 30 yard at no cost. Limit 2/year.
  - Riverton: 30 yard - $200 April thru Nov.
  - South Jordan: 15 yard - $40/day & $80/weekend.
  - South Salt Lake: 13 yard - $25 for 3 days.
  - Sandy: 30 yard - $140 for 3 days. Limit 2/year.
- No hazardous materials, tires, appliances w/ freon, etc.
- First come first served.

Summary of Bulk Waste Collection Options (Salt Lake Valley)

Municipality	Program(s) Type	Frequency	Additional Costs to Citizen
Sandy City	•Bulk Waste •Dumpster Program	Spring and fall seasons Year round	Included in garbage fees 30 yard dumpster = $140
Salt Lake City	•Call 2 Haul	Year round One pick up per year	No cost
South Salt Lake City	•Boxed, Bundled and Bagged •Residents can use transfer station two Saturdays a month •Dumpsters available for rent	Spring and Fall seasons Year round Year round	Included in garbage fees Pick up free card from city hall 12 yard dumpster = $25 + dump fees
Midvale City	•Curbside Bulky Item & Green Waste (= Boxed, Bundled and Bagged) •Dumpster Rentals 3-day period	3rd full week of month Year round	Included in garbage fees Dumpster for green waste = $180 + tax Dumpster for bulk waste = $200 + tax
West Valley City	•Bulky Waste (boxed, bundled, bagged)	Monthly	Included in garbage and recycling fees Fee varies depending on number of cans
Draper City	•Dumpster Program	Rent dumpsters year round up to 3 times/yr.	20 yard dumpster = $120 30 yard dumpster = $150
West Jordan	•Dumpster for Neighborhood Cleanup (must share w/neighbors)	One/4 months for waste Unlimited green waste	No cost No cost
Riverton	•Dumpster Program	April-October	$200
South Jordan City	•Special -Pickup (box, bundle, bag) •Dumpster Rental •Neighborhood Cleanup	Schedule pickup Year round Spring	Special pick-up = $15 15 yard dumpster = $40 day 15 yard dumpster = $80 weekend/holiday Haul waste to Public Works
Wasatch Front District (Herriman, Taylorsville, Cottonwood Heights)	•Containers mid April through Sept. •Trailer Rentals	Once annually First come first served	No cost Trailer for green waste = $40 Trailer for bulk waste = $125

Sandy City Process Improvement Goals

1. Safety/Liability Issues
2. Public Health and Environmental Regulations
3. Staff Time/Equipment Use
4. Flexibility and Convenience
5. Cleaner City
6. Illegal Dumping
7. Budget Considerations
8. More Options

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Key Point Summary

1. 20 Year Old Program

2. Current Program Issues:
   a. Staff Time
   b. Equipment Costs
   c. Continued Education Needed
   d. Many Citizen Infractions/Violations

3. City Goal = Process Improvement
   a. An iterative process

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Questions?