Purpose of the Plan

The Solid Waste Plan 2040 will be a guidance document, communication tool, and resource for policy decisions regarding solid waste management systems, facilities, and programs.
Agenda

1. Public Meeting Law Acknowledgement & Safety Briefing
2. Call Meeting to Order
3. Roll Call
4. Approve Meeting Minutes from December 11, 2012
5. December 11 Meeting Housekeeping
   a) How is 18 percent MSW recycling calculated & EPA Methods
   b) Group Question Summary
6. Module Topics
   a) Collection System
   b) Transfer Station and Processing Facilities
   c) Markets
7. Committee Questions and Discussions

BREAK
Break

8. Public Participation
10. Interactive Discussion
11. Committee Questions and Discussions
12. Next Advisory Committee Meeting
   a) Timing, Topics and Notification
13. Public Comment (final 15 minutes)
14. Close Meeting
How is 18% MSW Recycling Calculated:

- $18\% = \frac{\text{Total Diverted}}{\text{Total Diverted} + \text{Total MSW Disposed}}$

USEPA Calculation Methods

- Material Flow method vs. Site-Specific method
- USEPA *Measuring Recycling A Guide for State and Local Governments*
Housekeeping – Group Questions Summary

Group Questions Summary from December 11, 2012 Meeting
Topics

- Collection System
- Transfer Station and Processing Facilities
- Markets (for recovered/recycled materials)
Collection System

- Satisfaction rates are high with current garbage collection services

**Q7. How satisfied are you with:**

*(not showing don’t know responses)*

Source: LLCHD 10/12

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<th>Service</th>
<th>Very Satisfied</th>
<th>Satisfied</th>
<th>Neutral</th>
<th>Dissatisfied</th>
<th>Very Dissatisfied</th>
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<td>Number of HHW collections</td>
<td>17</td>
<td>37</td>
<td>28</td>
<td>14</td>
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<tr>
<td>Cost of grass &amp; leaf collection</td>
<td>24</td>
<td>31</td>
<td>30</td>
<td>9</td>
<td>5</td>
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<tr>
<td>Availability of grass &amp; leaf</td>
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<td>32</td>
<td>28</td>
<td>9</td>
<td>1</td>
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<td>Availability of city recycling</td>
<td>37</td>
<td>29</td>
<td>21</td>
<td>12</td>
<td>4</td>
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<tr>
<td>Cost of curbside recycling</td>
<td>31</td>
<td>21</td>
<td>18</td>
<td>15</td>
<td>15</td>
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<tr>
<td>Availability of curbside recycling</td>
<td>29</td>
<td>21</td>
<td>19</td>
<td>16</td>
<td>15</td>
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<tr>
<td>Cost of garbage collection</td>
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<td>33</td>
<td>9</td>
<td>2</td>
<td>0</td>
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</table>

Source: LLCHD
Collection System

• Collection services are funded directly by users

• The most significant cost component for residential garbage service is collection and hauling

Average Monthly Residential Collection Service Costs – In Lincoln
Collection System

- Current services are provided on free market basis
- Rates in Lincoln are higher than communities with organized collection programs
- Cost reductions can be achieved through franchises or municipal contracts

Avg. Monthly Res. Collection Costs In Other Nebraska Communities

- Residential Waste, Recyclables and Yard Waste Collection $7.25 to $10.63
- Refuse Disposal $2.75
- Cubside Recyclables Collection $10.00
- Refuse Disposal $2.40
- Residential Waste Collection $17.60
Transfer Stations and Processing Facilities

City’s North 48th Street Transfer Station accepts only small vehicles.

Three private waste processing facilities support recycling service providers.
Transfer Stations and Processing Facilities

- Conceptually a transfer station in the southern third of the City may be cost effective.

- Conceptually there are benefits to co-locating transfer stations and processing or other diversion facilities.
Transfer Stations and Processing Facilities

- Transfer stations often serve many purposes:
  - Cost savings
  - Control expense
  - Traffic mitigation
  - User convenience
  - Waste screening
  - Facilitate recycling
  - Reduce air emissions
  - Others
Markets

Markets are affected by:

- Volume of material recovered
- Market demand
- Consumer demand
- Raw material availability, quality and cost

The above factors contribute to fluctuating prices
Markets are essential to a successful waste reduction and recycling program. Planning Area materials are generally sent to brokers, which aggregate and ship materials to regional, national or international end users. Revenue is reduced by the costs for transportation and added processing and handling costs. Current outlet for recovered/recycled materials relies on private service providers and private markets (excluding yard waste).
Markets

Local opportunities, may include:
- Papers
- Glass
- Plastics
- Compost

Role government may play in the support and development of markets:
- Market Incentives
- Market Development
Markets - Issues

• Most markets are national/international
• Local markets for compost are not large revenue generators and compete with other programs
• Markets for food waste compost is not established
• Market prices for glass have been quite low in comparison to the cost of recovery, processing and transportation
• Prices can experience volatility (risk)
• Local market longevity/sustainability is a key issue
Committee Questions & Discussion

Housekeeping
- 18 percent recycling rate calculation
- Group Question Summary

Collection System

Transfer Stations and Processing Facilities

Markets
Purpose of the Plan

The Solid Waste Plan 2040 will be a guidance document, communication tool, and resource for policy decisions regarding solid waste management systems, facilities, and programs.
Public Participation

Website: lincoln.ne.gov
  • keyword: solid waste plan

Social Media
  • Facebook
  • Twitter

Comment Line
  • (402) 441-7738

Log on to http://lincoln.ne.gov
Search: solid waste plan
Process for Developing Recommendations

Options

System Definition

Final Plan
Options vs. System Definition vs. Final Plan

Options
• Identifies a Preferred Path
• Used to create a System Definition

System Definition
• Present to Public
• Refined for Final Plan Recommendations

Committee Plan Recommendations:
• Not necessarily tied to the System Definition
• May include phased approach
• May include program specific goals
Developing System Definition

- Purpose
- Ground Rules
- Process

- What constitutes a majority?
Which flavor of ice cream do you prefer?

1. Chocolate
2. Vanilla
3. Strawberry
Disposal – Municipal Solid Waste

- County/municipality shall provide safe and sanitary disposal of solid waste
- Remaining capacity of Bluff Road MSW Landfill
  - Approximately 20 years
- Siting new landfills is **DIFFICULT**!
- Considered necessary
- Typically lowest cost option
- Long-term liability
Disposal – Municipal Solid Waste
Municipal Solid Waste Disposal

Issue:
Current Bluff Road MSW Landfill is projected to reach capacity in less than 20 years (e.g., 2032).

Options:
1) Expand on City-owned property to the east of currently permitted site
2) Develop landfill at new location in the County
Municipal Solid Waste Disposal - Polling

Option 1 – Expand on City property
Option 2 - New site in the County
Disposal - Construction & Demolition Wastes

• Remaining capacity – Approximately 18 years
• Siting new landfills is DIFFICULT!
• Long-term Capacity Options
  ▪ Expand on City Property
  ▪ Develop New City Site in County
  ▪ Discontinue City Provided Site (New Private C&D waste landfill)
Disposal - Construction & Demolition Wastes

Future Disposal Options - Existing City Sites

- Potentially easier to permit
- City-owned & properly zoned
- Necessary infrastructure
Construction & Demolition Waste Disposal

Issue:
Current North 48th Street C&D Waste Landfill is projected to reach capacity in less than 20 years (e.g., 2030).

Options:
1) Expand on City-owned property:
   a. South of the current N. 48th Street Disposal Area.
   b. South of the current Bluff Road MSW Landfill Disposal Area.

2) Develop New City-owned C&D Waste Landfill at new location in the County.

3) Discontinue City-Provided C&D Waste Landfill and rely on privately developed C&D Waste Landfill(s).
Construction & Demolition Waste Disposal - Polling

Option 1 – Expand on City Property
Option 2 – Develop New City Site in County
Option 3 – Discontinue City Provided Site
Committee Questions & Discussion

Process for Developing Recommendations
Next Advisory Committee Meeting

Next Meeting:
March 12, 2013
2:30 pm to 4:30 pm
Lincoln/Lancaster County Health Department
Lower Level Training Room

Topic:
• Process for Developing Recommendations
Public Comment

• Guidelines:
  – State name and address
  – Limit your remarks to time allotted – 3 minutes
  – Show respect to the meeting attendees, Advisory Committee members, facilitator and presenter(s)
  – No foul language or inappropriate behavior
  – Follow standard rules of decorum
The Solid Waste Plan 2040 will be a guidance document, communication tool, and resource for policy decisions regarding solid waste management systems, facilities, and programs.