Advisory Committee
Solid Waste Management Plan for Lincoln and Lancaster County (Solid Waste Plan 2040)
July 9, 2013
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 June 25, 2013
5. Final System Definition
6. Open House and Public Outreach
7. Development of Plan Recommendations
8. Committee Questions and Discussions

BREAK
Agenda

BREAK

8. Development of Plan Recommendations (cont.)
9. Public Participation
10. Committee Questions and Discussions
11. Next Advisory Committee Meeting
   a) Timing, Topics and Notification
13. Public Comment (final 15 minutes)
14. Close Meeting
Final System Definition

• Incorporates C&D Material Recycling
  • Completes Section 1.6.7
  • Completes Related Tables

• Incorporates Advisory Committee comments from 06/25 meeting, where possible

• Other minor corrections (typos, formatting, etc.)

• Will be used for Open House and Virtual Town Hall Meeting
Schedule Update

- Public Meeting
- Advisory Committee Meeting
- Finalize System Definition
- Advisory Committee Meeting
- Advisory Committee Meeting
- Virtual Town Hall Meeting
- Open House Meeting
- Advisory Committee Meeting
- Advisory Committee Meeting
- Draft Plan

2013

- July
- Aug
- Sept
- Oct
- Nov
Public Participation

Open House and Virtual Town Hall Meeting

• Display Boards

• Solicit Feedback
Welcome

The purpose of this Open House is to:

• Share information on solid waste management planning efforts
• Present program options for managing solid wastes in the future
• Seek input and comments from the public
The Planning Process

The key planning milestones include:

- A definition of the existing systems and an assessment of current and future needs (completed November 2012)
- An Open House/Public Meeting
- An evaluation of solid waste systems, facilities, and program alternatives (completed February 2013)
- A refined definition of systems, facilities, and programs
- An Open House/Public Meeting
- A final solid waste management plan
Types of Solid Waste Managed

- **Municipal Solid Waste**
  - Solid waste from residential sources
  - Solid waste from commercial (business, industrial, and institutional) sources

- **Construction and Demolition Waste**
  - (building rubbish and demolition debris)

- **Other wastes, including the following**
  - Household Hazardous Waste (HHW)
  - Conditionally Exempt Small Quantity Generator (CESQG) Waste
  - Wastes needing special handling
  - Wastes banned from land disposal

- **Diverted Material (recycled, composted)**
System Definition:

• Combines information on existing solid waste management programs and program options considered for managing solid waste in the future.

• Describes programs that move the integrated solid waste management system from current levels of waste diversion and existing disposal practices toward greater resource conservation, waste reduction, waste diversion, and resource recovery efforts.

• Serves as the basis for the development of the Solid Waste Management Plan for Lincoln and Lancaster County (Solid Waste Plan 2040).
Systems, Facilities, and Programs

• Collection System
• Waste Processing
• Disposal Facilities
• Source Reduction
Municipal Solid Waste Generation and Composition

- The 2010 Census identified the population of Lancaster County as 285,407; by 2040 the population is projected to grow to over 412,000.
- The average household in Lincoln generates 1.7 tons of Municipal Solid Waste per year; 1.4 tons goes to a landfill.

• Economic
• Energy
• Human Health and Environmental Protection
• Natural Resource Conservation
Solid Waste Management Continuum and Waste Management Hierarchy

- As waste diversion and resource recovery efforts increase the cost of managing waste increases
- At low levels of diversion the community is largely dependent on landfilling

System Definition describes program options for
- Progressively moving toward a more integrated solid waste management system
- Reducing the community’s dependence on landfilling
- Emphasizing resource conservation, source reduction, waste diversion, and resource recovery
Preferred Path for System Definition

• Source Reduction
• Toxics Reduction
• Yard Waste
• Residential Recycling and Diversion
• Commercial Recycling and Diversion
• Construction and Demolition Materials Recycling
• Organic Waste Diversion (Composting)
• Waste Conversion Technologies
• Municipal Solid Waste Disposal
• Construction and Demolition Waste Disposal
• Transfer Station and Processing Facilities
Evaluation/Screening

Evaluation and Screening Criteria for Solid Waste Management Options/Strategies
• Waste Reduction/Diversion
• Technical Requirements
• Environmental Impacts
• Economic Impacts
• Implementation Viability
### Municipal Solid Waste Diversion by Scenario (estimated)

<table>
<thead>
<tr>
<th>Program Area</th>
<th>Scenario 1</th>
<th>Scenario 2</th>
<th>Scenario 3</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Strategy: Increased Education</td>
<td>Strategy: Increased Education</td>
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<tr>
<td></td>
<td>% increase in TOTAL MSW Diversion: 1 - 5%</td>
<td>% increase in TOTAL MSW Diversion: 2 - 4%</td>
<td>% increase in TOTAL MSW Diversion: 4 - 6%</td>
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<tr>
<td>Source Reduction</td>
<td>Yes</td>
<td>Yes</td>
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<td>Year round facility: 1%</td>
<td>Year round facility: 1%</td>
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<td>Yard Waste</td>
<td>Status Quo: 0%</td>
<td>Status Quo: 0%</td>
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<tr>
<td>Residential Recycling</td>
<td>Universal with Minimum Levels of Service: 5 - 7%</td>
<td>Universal - more advanced program: 6 - 8%</td>
<td>Universal with incentives: 5 - 10%</td>
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<tr>
<td>Commercial Recycling</td>
<td>Universal with Minimum Levels of Service: 6 - 8%</td>
<td>Universal - more advanced program: 6 - 8%</td>
<td>Universal with incentives: 5 - 10%</td>
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<tr>
<td>Organic Waste Diversion</td>
<td>Status Quo with added educational emphasis: 1%</td>
<td>Pilot program for food composting: 1%</td>
<td>Waste Management facility targeting surgery: 5 - 10%</td>
</tr>
<tr>
<td>Waste Conversion Technologies</td>
<td>Status Quo: 0%</td>
<td>Status Quo: 0%</td>
<td>Transfer Station with limited diversion of materials delivered as waste: 2 - 5%</td>
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<tr>
<td>Transfer Station</td>
<td>Transfer Station with no processing: 1%</td>
<td>Transfer Station with no processing: 1%</td>
<td>Transfer Station with no processing: 1%</td>
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| % INCREASE in TOTAL MSW Diversion (above current 19%) | Scenario 1: 12 - 18% | Scenario 2: 17 - 24% | Scenario 3: 17 - 24% |
| % TOTAL MSW Diversion (including current 19%)        | 30 - 35%             | 30 - 35%             | 37 - 42%             |

- **Current System**: 82% Disposal, 18% Diversion
- **Scenario 1**: 64 - 70% Disposal, 30 - 36% Diversion
- **Scenario 2**: 56 - 65% Disposal, 35 - 42% Diversion
- **Scenario 3**: 20 - 25% Disposal, 75 - 80% Diversion
### Evaluation and Screening for Options/Strategies

<table>
<thead>
<tr>
<th>Evaluation/Screening Criteria</th>
<th>Waste Reduction/Diversion</th>
<th>Technical Criteria</th>
<th>Environmental Impact</th>
<th>Economic Impacts</th>
<th>Implementation Viability</th>
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<td>Source Reduction</td>
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<td>Toxics Reduction</td>
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<td>Residential Recycling and Diversion</td>
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<td>Organic Waste Diversion (Composting)</td>
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<td>Waste Conversion Technologies</td>
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<td>Municipal Solid Waste Disposal</td>
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<td>Transfer Station and Processing Facilities</td>
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## Schedule

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<td>Virtual Town Hall Meeting</td>
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2013

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Solid Waste Management Plan for Lincoln and Lancaster County

Solid Waste Plan 2040
Public Participation

Provide Input
• Submit comments via the project website; lincoln.ne.gov keyword: solid waste plan
• Submit comments via e-mail; email@solidwasteplan.com
• Leave a voice comment via the project phone line: (402) 441-7738.
• Mail written comments:
  Solid Waste Plan 2040
  2400 Theresa Street
  Lincoln, NE 68521
• Attend an Open House/Virtual Town Hall Meeting
• Attend an Advisory Committee meeting; check project website for meeting dates, times and locations

Stay Up-to-Date
• Visit the project website at lincoln.ne.gov
• (keyword: solid waste plan)
Committee Questions & Discussion

Final System Definition

Public Participation
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

Open House and Virtual Town Hall Meeting

Comment Line
  • (402) 441-7738
Public Participation

- Meeting Schedule
  - Virtual Town Hall Meeting (August 6 to August 20)
  - Open House Meeting (August 13)
- Email Announcement
- Continued use of the Project Website and Comment Line
- Newsletter
- Press Release
- Others
Development of Plan Recommendations

• Not necessarily tied to the System Definition
• May include Phased Approach
• May include Program Specific Goals
• After Public Open House/Virtual Town Hall Meeting
Committee Questions & Discussion

Public Participation

Development of Plan Recommendations
Next Advisory Committee Meeting

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

Topic:
To be Determined
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.