1. Call to Order/Roll Call

A regular meeting of the Solid Waste Planning Board was called to order at 5:00 pm by Aimee Ladonski, Board Chair. A quorum was present.

Roll Call:

Members Present:
- Aimee House Ladonski, Board Chair, Sustainability Coordinator
- Ken Allender, Citizen Representative
- Jake Anderson, Waste Hauling and Recycling Industry Representative
- Sarah Campbell, Citizen Representative
- Norman Dittman, Citizen Representative
- Greg Dix, Waste Hauling and Recycling Industry Representative
- Bob Kappel, Environmental Manager
- Nancy Korkow, Waste Hauling and Recycling Industry Representative
- Dave McElroy, Landfill Superintendent
- John Overby, Turner County
- Deb Reinicke, Lake County Representative
- Ryan Streff, Minnehaha County Representative

Members Absent:
- Merle Wollman, Multihousing Representative
- Dennis Weeldreyer, Lincoln County Representative

Others present:
- Laurie Cressman, Advanced Recycling Systems; Shaun Feilmeier, Millennium Recycling; Joe Heffron, City Sustainability Technician; De Knudson, City Council candidate; Dan and Cindy Neuroth, D&C Solid Waste Services; Todd Sandman, Sandman’s Sanitary Service; Perry Schempp, Marv’s of Sioux Falls; Harold Smith, Waste Management; Nelson Van Den Hoek, Pik-n-Pak Sanitation; Jeff Westrick, Novak Sanitary Service.

2. Approval of Agenda

A motion was made by Anderson and seconded to approve the meeting agenda. (Vote: Yeses: Allender, Anderson, Campbell, Dittman, Dix, Kappel, Korkow, McElroy, Overby, Reinicke, Streff. Noes: None.) Motion passes unanimously.
3. Approval of Minutes
A motion was made by McElroy and seconded to amend the minutes of the Solid Waste Planning Board meeting of November 17, 2011, to correct the spelling of Jim Lair’s name in the attendance. (Vote: Yeses: Allender, Anderson, Campbell, Dittman, Dix, Kappel, Korkow, McElroy, Overby, Reinicke, Streff. Noes: None.) Motion passes unanimously.

A motion was made by McElroy and seconded to approve the minutes of the Solid Waste Planning Board meeting of November 17, 2011, as amended. (Vote: Yeses: Allender, Anderson, Campbell, Dittman, Dix, Kappel, Korkow, McElroy, Overby, Reinicke, Streff. Noes: None.) Motion passes unanimously.

4. Landfill Superintendent Report – Dave McElroy, Landfill Superintendent
   - McElroy provided an update on the status of landfill operations and stated that he will distribute an updated landfill factsheet to the Board, either via email or at the next Board meeting.

Merle Wollman arrived at 5:05 pm.

5. Sustainability Master Plan Presentation (Waste Minimization Focus Area) – Aimee Ladonski, Sustainability Coordinator
   See Presentation Below
   - Public Comment:
     - De Knudsen, City Council candidate, stated that recycling availability, enforcement and education must be improved, especially in public places, such as bus stops, restaurants and schools.
     - Nelson Van Den Hoek of Pik-N-Pak Sanitation expressed concerns about the effect on small hauling businesses of the recommendations to adopt districts and/or zones for waste hauling.
     - Perry Schempp of Marv’s of Sioux Falls stated that higher weight limits on garbage trucks, not the number of haulers, are responsible for wear and tear on city streets. Schempp also stated that it is not reasonable to adopt zones by day of the week due to the number of licensed haulers.

Merle Wollman left at 5:45 pm.

A motion was made by Kappel and seconded to refer review of the recommendations provided in the Solid Waste Assessment of the draft Sustainability Master Plan to the Ordinance Review Subcommittee. (Roll Call Vote: Yeses: Allender, Anderson, Campbell, Dittman, Dix, Kappel, Korkow, McElroy, Overby, Reinicke, Streff. Noes: None.) Motion passes unanimously.

6. Public Comment
No further public comment.

7. Adjournment

A motion was made by Anderson and seconded to adjourn at 6:00 pm. (Vote: Yeses: Allender, Anderson, Campbell, Dittman, Dix, Kappel, Korkow, McElroy, Overby, Reinicke, Streff. Noes: None.) Motion passes unanimously.
Agenda

- SMP Introduction
- Focus Areas
- Waste Minimization
  - Historical
  - Present
- Supporting Analysis
  - Solid Waste and Recycling Assessment
  - GHG Emission Inventory
  - Business Case Analysis

SMP Team Composition

Executive Co-Champions

Mayor Mike Huether
Council Member Kenny Anderson, Jr.

<table>
<thead>
<tr>
<th>Steering and Implementation Team</th>
<th>Core Sustainability Team (External Stakeholders)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Chair) PW Environmental Division Sustainability Program</td>
<td>4 Citizen Representatives</td>
</tr>
<tr>
<td>PW Water Purification</td>
<td>5 Large Business Representatives</td>
</tr>
<tr>
<td>Community Development</td>
<td>3 Small Business Representatives</td>
</tr>
<tr>
<td>PW Engineering</td>
<td>3 Non-Profit Representatives</td>
</tr>
<tr>
<td>PW Fleet Management</td>
<td>1 Transportation Representative</td>
</tr>
<tr>
<td>Facilities Management</td>
<td>3 Recycling/Waste Hauling Representatives</td>
</tr>
<tr>
<td>PW Environmental Division</td>
<td>2 Education Representatives</td>
</tr>
<tr>
<td>Planning Department</td>
<td>[1–K:12, 1 Higher Ed]</td>
</tr>
<tr>
<td>PW Water Reclamation</td>
<td>3 Energy Company Representatives</td>
</tr>
<tr>
<td>PW Landfill Division</td>
<td>(including renewable energy)</td>
</tr>
<tr>
<td>Finance Department</td>
<td></td>
</tr>
</tbody>
</table>
“Working together, we will promote a vibrant community through the innovative and wise use of our resources.”
Focus Area Definitions

<table>
<thead>
<tr>
<th>Focus Area</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Minimization</td>
<td>Improve community health and safety by providing programs, education and</td>
</tr>
<tr>
<td></td>
<td>leadership to: reduce waste generation; increase innovative waste</td>
</tr>
<tr>
<td></td>
<td>diversion programs; and appropriately manage toxic and hazardous materials.</td>
</tr>
<tr>
<td>Water Resources</td>
<td>Wisely manage local and regional water, wastewater and storm water to</td>
</tr>
<tr>
<td></td>
<td>create a high quality, sustainable system.</td>
</tr>
<tr>
<td>Energy</td>
<td>Utilize clean, efficient and reliable energy for the city and community as</td>
</tr>
<tr>
<td></td>
<td>a whole.</td>
</tr>
<tr>
<td>Transportation</td>
<td>Provide an efficient, multi-modal and cost-effective transportation system</td>
</tr>
<tr>
<td></td>
<td>that offers increasingly clean measures for all users.</td>
</tr>
<tr>
<td>Built and Natural Environment</td>
<td>Promote sustainable land use and development to manage growth while</td>
</tr>
<tr>
<td></td>
<td>conserving the environment and natural resources.</td>
</tr>
<tr>
<td>Community Vitality</td>
<td>Promote health and wellness by encouraging businesses, government</td>
</tr>
<tr>
<td></td>
<td>agencies, non-profits and individuals to improve the community’s triple</td>
</tr>
<tr>
<td></td>
<td>bottom line.</td>
</tr>
</tbody>
</table>

Waste Minimization

Goals:

- Increase existing waste diversion rate from an estimated 28% to 35% by 2015.
- Reduce landfill disposal per capita by 15% by 2015 for entire regional wasteshed.
- Determine the City of Sioux Falls existing recycling participation rate and establish a minimum participation rate of 70% by 2015.
- Increase the City’s hauler recycling goal from 12% in 2008 to 25% by 2017.
- Shorten LFG projected GHG impacts by at least 5 years by enhancing waste degradation and LFG recovery/capture.
2012 Waste Hauler Recycling Goal:

20%
Recycling Goal

Waste Hauler Recycling Goal

Waste Minimization (Pre-Sustainability Master Plan)

2005: Recycling Goal adopted by City Ordinance
2005 - 2010 City struggled with implementing recycling program
2010: City implements Recycling Education/Outreach Initiative
2011: Solid Waste Planning Board (SWPB) developed and recommended revisions to Chapter 18 of Revised Ordinances of Sioux Falls
2011: City Council unanimously approved these Revisions to Chapter 18 of Revised Ordinances of Sioux Falls
2012: City issued first Recycling Rebates to top five garbage haulers
2012: Draft Sustainability Master Plan (SMP) presented to City Council and Public
2012: City and SWPB will evaluate the SMPs Waste Minimization Focus area and the Solid Waste and Recycling Assessment recommendations
2011 Recycling Rates*

* 2012 licensed haulers

Solid Waste & Recycling Assessment

<table>
<thead>
<tr>
<th>Waste Minimization Focus Area</th>
<th>Solid Waste &amp; Recycling Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Established by SMP teams</td>
<td>Third party recommendations in appendix. Needs further evaluation.</td>
</tr>
</tbody>
</table>
Solid Waste & Recycling Assessment

Recommendation for staff and public consideration:

Mandate curbside collection vs. house-side collection

Rationale:

- Solid waste industry as a whole has moved away from house-side collection.
- During benchmark review, SAIC did not find any cities that still provide house-side collection.
- Some communities allow for curbside AND house-side, but house-side collection is offered at a higher rate of service.
  - Note: many cities and haulers across the country offer elderly and disabled residents house-side collection at no extra charge.
- Other communities near us offer curbside (Brandon, Madison, Watertown, Tea).

Solid Waste & Recycling Assessment

Recommendation for staff and public consideration:

Mandate curbside collection vs. house-side collection

Rationale (continued):

Benefits of curbside collection:

- More efficient method of collecting MSW, recycling and yard waste.
- Haulers save time per collection route and save fuel due to reduced idling time.
- Potential to reduce number of work-related injuries.
- If curbside collection paired with collection zones for certain days of the week = one day per week visits from
Recommendations for staff and public consideration:

Increase hauler license fees

Rationale:

- Offers the ability to generate adequate revenues to cover the administrative costs of managing the present and planned reporting and licensing program.
- Current fees do not come close to covering administrative costs associated with management of these programs.

<table>
<thead>
<tr>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>New license = $100</td>
</tr>
<tr>
<td>Renewal license = $50</td>
</tr>
</tbody>
</table>

Recommendations for staff and public consideration:

Standardize Collection Method and Recyclable Materials Collected

Rationale:

- Different recyclable materials accepted by different haulers.
- Recyclables collected in a variety of ways: source separated, dual stream and single stream.
- By standardizing collection method and materials collected, the city and haulers would be able to better educate the community on recycling standards.
- Successful recycling programs are often attributed to visible and effective public education campaigns.
Recommendations for staff and public consideration:

Transition from an open subscription system to an organized collection program.

Rationale:

- This provides for one or a limited number of haulers for established collection zones through either:
  1. Establishment of exclusive collection franchises.
     - Requires public procurement of hauler(s) to provide the selected suite of collection services in each of the collection zones established.
  2. Via direct contract(s) with hauler(s) for the selected services.
     - e.g. #1 City contracts with one hauler per zone to offer all or some of the targeted services.
     - e.g. #2 City contracts with one hauler for city-wide recyclable materials collection, allows licensed haulers to continue to offer other needed collection services via collection districts/zones.

Recommendations for staff and public consideration:

Establish collection geographical zones/districts for each day of the week, requiring residential haulers to collect in specified areas of the City on specified days

Rationale:

- This would reduce truck traffic on residential streets by limiting collection in each zone to one day a week.
- This would require that all haulers provide same day service to their customers for MSW, recycling and yard waste.
Recommendations for staff and public consideration:

Limit the total number of haulers

Rationale:

- Cap the number of licenses renewed each year to the current number of haulers.

- City has a higher number of licensed haulers than most communities similar in size. This provides a “choice” but accelerates wear and tear on streets, generates more greenhouse gas emissions and results in lack of education due to varied collection programs.

- A cap can still offer customer choice, but begin to reduce confusion about acceptable recycling practices and wear and tear on residential streets.

Recommendations for staff and public consideration:

Require private businesses to report recycling tonnages

Rationale:

- Currently the city receives annual tonnages of recyclable materials processed from the three MRFs located in the region.

- City should pursue asking for tonnage information from businesses that are collecting, processing, or reusing materials such as scrap metal, carpeting, clothing, pallets, concrete, asphalt, and any materials that are backhauled.
Solid Waste & Recycling Assessment

Provides recommendations for staff and public consideration:

Apply for state funding for waste diversion/recycling projects

Rationale:

South Dakota Department of Environment and Natural Resources (DENR) provides grants, loans, or a combination for solid waste disposal, recycling and waste tire projects.

Regional counties and cities should apply for funding that will contribute to volume reduction at the source; recycling and reuse; use for energy production.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High-priority New/Programs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Snowplow Recycling Program</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Establish Energy Manager Position</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Develop Wind Project</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uplift Street Lights</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Implement BMPs to Improve Big Sioux River Water Quality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expand Fleet AVL/Log Program</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>

Recommended On-Going Activities

<table>
<thead>
<tr>
<th>Recommended On-Going Activities</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>Beyond 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revise Zoning Ordinances to incorporate sustainable design standards to foster low-impact development</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Develop Targeted Education and Recognition Programs Aligning with Each of the Focus Area Recommended Strategies</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Implement City Demonstration Programs</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Tier 2 Priority Programs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contact Co-Generation feasibility for commercial food wastes and biosolids</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Establish and/or Expand Renewable Transportation Fuels Usage Goals</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Continue Installing WRF- Facilites Energy Recovery Upgrades</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Create a Healthy Cities Network</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Incorporate Triple Bottom Line Into City CIP Process</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
</tbody>
</table>