

Metro | Agenda

Meeting: Solid Waste Alternatives Advisory Committee (SWAAC)
Date: Wednesday, February 11, 2015
Time: 10 a.m. to 12 p.m. (noon)
Place: Metro, Council Chambers

The purpose of the Solid Waste Alternatives Advisory Committee is to develop policy options that, if implemented, would serve the public interest by reducing the amount and toxicity of waste generated and disposed, or enhancing the effectiveness and sustainability of the system through which the region's solid waste is managed.

10 AM	1.	CALL TO ORDER AND DECLARATION OF A QUORUM	Matt Korot, Chair
10:02 AM	2.	COMMENTS FROM THE CHAIR AND SWAAC MEMBERS	
10:07 AM	3.	** CONSIDERATION OF SWAAC MINUTES FOR DECEMBER 10, 2014	
10:10 AM	4.	UPDATES AND UPCOMING EVENTS	Tom Chaimov, Metro
10:30 AM	5.	** MIDTERM REVIEW OF REGIONAL SOLID WASTE MANAGEMENT PLAN (RSWMP)	Marta McGuire, Metro
		<i>Purpose:</i> <ul style="list-style-type: none">• To share the results of the RSWMP midterm review, which assesses plan implementation and evaluates the need for revisions.• To get SWAAC members' input on the review's findings and recommendations.	
		<i>Outcomes:</i> <ul style="list-style-type: none">• SWAAC members understand the findings and recommendations of the midterm review.• Input from SWAAC on the midterm review recommendations.	
11:45 AM	6.	CITIZEN COMMUNICATIONS TO SWAAC AGENDA ITEMS	
11:55 AM	7.	PREVIEW OF THE NEXT MEETING'S AGENDA AND FINAL COMMENTS	Matt Korot, Chair
12 PM	8.	ADJOURN	

- * Material available on the Metro website.
** Material will be distributed in advance of the meeting.
Material will be distributed at the meeting.

Upcoming SWAAC Meetings:

- Wednesday, March 11, 2015 from 10 a.m. to 12 p.m. (noon) at the Metro Regional Center
- Wednesday, April 8, 2015 from 10 a.m. to 12 p.m. (noon) at the Metro Regional Center

Continued on back...

For agenda and schedule information, call Matt Korot at 503-797-1760, e-mail: matt.korot@oregonmetro.gov.
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Metro | *Meeting minutes*

Meeting: Solid Waste Alternatives Advisory Committee (SWAAC)
Date: December 10, 2014
Place: Metro Regional Center, Council Chamber

Members present

Dan Blue, City of Gresham
Paul Ehinger, Metro
Kathy Kaatz, City of Tualatin
Scott Keller, City of Beaverton
Leslie Kochan, Oregon Dept. of Environmental Quality
Theresa Koppang, Washington County
Matt Korot, Metro
Mike Leichner, Pride Disposal
Keith Ristau, Far West Fibers
Alando Simpson, City of Roses Disposal & Recycling
Bruce Walker, City of Portland

Members absent

Amy Pepper, City of Troutdale
Amy Roth, Association of Oregon Recyclers

Guests

Tom Chaimov, Metro
Andy Sloop, Metro

1. CALL TO ORDER AND DECLARATION OF A QUORUM

Chair Matt Korot called the meeting to order and declared a quorum.

2. COMMENTS FROM THE CHAIR AND COMMITTEE MEMBERS

Chair Korot reviewed the agenda items, as well as the tentative 2015 meeting schedule.

3. CONSIDERATION OF SWAC MINUTES FOR SEPTEMBER 10, 2014

The minutes of the September 10, 2014 SWAAC meeting were approved as written. A motion to approve was made and seconded.

4. UPDATE ON METRO COUNCIL DISCUSSIONS OF SOLID WASTE ROADMAP PRODUCTS

Tom Chaimov, Metro, updated the committee on the Solid Waste Roadmap program. Information on the following topics was discussed with the Metro Council at October and November work sessions:

- **Transfer system configuration:** Staff reviewed the current transfer system configuration and an alternatives analysis to determine what model of the public-private transfer system

would best serve the public interest. The Council agreed the project is headed in the right direction, but asked for more information about the system's history, and what best practices existed in similar systems. The Council stressed the importance of long-term flexibility, and its desire for a solution other than landfilling. In addition, the Council was very interested in continued, even enhanced, provision of self-haul services in the region. To that end, the Council directed staff to include the public as part of the project's stakeholder engagement.

- **Food scraps processing capacity:** The primary goal of this presentation was to seek guidance from the Council on which potential alternatives to investigate further. A number of alternatives were presented for addressing the capacity issue in general and two specific barriers to progress: lack of a reliable supply of food scraps and the challenge of siting additional facilities within the region. The Council endorsed the project approach and directed staff to further investigate all of the identified options.
- **Metro South transfer station:** Staff presented an overview of Metro South station history from 1983 to present and reviewed findings of recent stakeholder assessments, then asked the Council to narrow proposed facility reconfigurations from three finalists to two. The Council chose two options, "Fill to Grade" and "Move Self Haul Offsite." The Fill to Grade option would fill and level the entire site to grade and build a 45,000 sq. ft. building, including a new sort line. This configuration is projected to triple recovery rates, similar to those of Metro Central transfer station. The Move Self Haul Offsite option would build a new 70,000 sq. ft. self-haul and HHW facility at a to-be-determined off-site location and, with only minor modifications, would rebrand the current Metro South site as a commercial only facility.

5. WOOD WASTE MARKET ALTERNATIVES

Andy Sloop, Metro, presented context and background information for the wood waste market alternatives study (*see Metro Wood Waste Markets Alternatives Project Briefing Paper*). He then reviewed four potential scenarios and posed three questions for the committee:

Scenario 1 (Enhanced Base Case): Status quo with increased reuse. Clean hog fuel goes to traditional markets and some treated wood to Marion County waste-to-energy and landfill.

Scenario 2 (Enhanced Base Case plus District Heat and Biochar): Implement scenario 1 and build pyrolysis facility to convert hog fuel into biochar, biogas, and bio-oil.

Scenario 3 (Enhanced Base Case plus Composite Panelboard, Pulp Chips, and Densified Wood Fuels): Implement scenario 1 and add a sort to divert clean wood prior to grinding. Equip a central facility to produce quality chips for pulp, pellet, and particleboard markets.

Scenario 4 (Enhanced Base Case plus Dry Anaerobic Digestion)

Implement scenario 1 and add a sort to divert clean wood to produce quality chips to provide feedstock to dry anaerobic digestion facilities to produce biogas.

Questions

1. What are your general impressions of each scenario?
2. Given the nature of each scenario, what are your thoughts about the role Metro and local governments should play in implementing them?
3. If Metro were to invest time and money in market development, on which types of options do you think it should focus its resources?

Committee input and questions

- A broad, public conversation about this is needed.
- There is concern about rate impacts if remaining urban wood markets failed and most/all wood waste were disposed.
- There may be a need for investing in sorting and processing equipment to meet higher value market specifications. This equipment should be installed at several smaller facilities rather than investing in just one large facility.
- Consider whether there is an opportunity to include urban wood in extended producer responsibility work.
- Be attentive to air quality impacts in the scenarios, as areas of the region are in or near non-attainment status.
- Consider using a ranking system, similar to that used in DEQ's recent food scraps study, as a way to assessing the scenarios.
- It is critical to investigate options beyond the status quo. Wood material has limited options for reuse; opportunities for higher use markets should be investigated.
- Challenges outlined in some of the scenarios need additional exploration. Options for decentralized, smaller units that leverage existing infrastructure should be thoroughly researched.
- The feasibility of locating wood-fired district heating facilities in an urban environment is questionable.
- In the past, pressure on paper mills to use recycled feedstock helped spur market development.

Audience comments

- Metro's role should be to work with state, local and federal governments to determine uses for this type of material, such as colorized urban wood mulch, and require government procurement of it. An alternative is for Metro to enter the hogged fuel market itself, installing a state-of-the-art, environmentally friendly electricity and steam co-generation plant, possibly at the old St. Johns landfill site, using the wood Metro transfer stations produce. *(Vince Gilbert, Environmentally Conscious Recycling)*
- All facilities should be contacted for input. Greenway already has the capacity to clean urban wood waste for higher-grade uses than hog fuel such as reuse, but this doesn't pencil out economically. Additional funding will need to come from somewhere, either as a direct subsidy from Metro (not sustainable long term) or as an increase in tipping fees. The current wood waste tipping fee is approaching the level of the garbage tipping fee, so there isn't enough margin to raise the wood tipping fee to the level needed to justify higher-grade processing. *(Terrell Garrett, Greenway Recycling)*

Mr. Sloop thanked the committee and members of the audience for their comments and said that Metro would likely begin deeper analysis of the scenarios in spring of this year and would probably return to SWAAC to discuss the findings from this work.

6. CITIZEN COMMUNICATIONS TO SWAAC AGENDA ITEMS

Thane Tienson, representing NatureWorks, noted that during the Nov. 18, 2014 Metro Council discussion on the Solid Waste Roadmap projects, Council asked that staff return with information about best practices used elsewhere in regard to the management of compostable serviceware.

Jeff Murray said that related to paper recovery, mills historically were pressured to find ways to reuse product. We should encourage industry to look at better uses like MDF.

Vince Gilbert, Environmentally Conscious Recycling, expressed his appreciation for Metro's comprehensive review and analysis of the wood waste program.

7. PREVIEW OF THE NEXT MEETING'S AGENDA AND FINAL COMMENTS

No meeting will be held in January 2015. The next meeting is scheduled for Feb. 11, 2015. Topics will include a continuing discussion about DEQ's waste generation goals for the region, as well as a mid-term review of the Regional Solid Waste Management Plan.

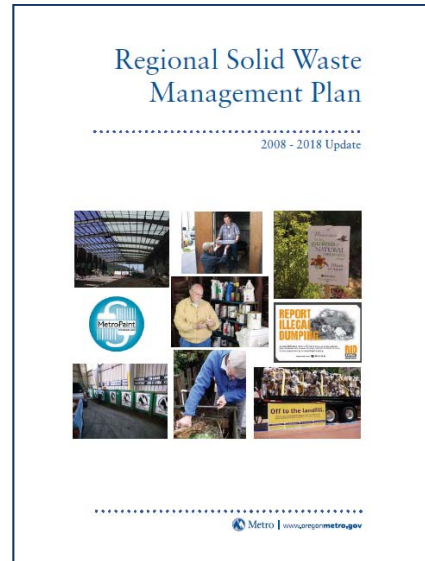
8. ADJOURN

Chair Korot adjourned the meeting at 11:45 a.m.

Regional Solid Waste Management Plan 2008-2018

Midterm Review

DRAFT



January 2015



Metro | *Making a great place*

About Metro

Clean air and clean water do not stop at city limits or county lines. Neither does the need for jobs, a thriving economy, and sustainable transportation and living choices for people and businesses in the region. Voters have asked Metro to help with the challenges and opportunities that affect the 25 cities and three counties in the Portland metropolitan area.

A regional approach simply makes sense when it comes to making decisions about how the region grows. Metro works with communities to support a resilient economy, keep nature close by and respond to a changing climate. Together we're making a great place, now and for generations to come.

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SECTION 1: BACKGROUND

The 2008-2018 Regional Solid Waste Management Plan (RSWMP):

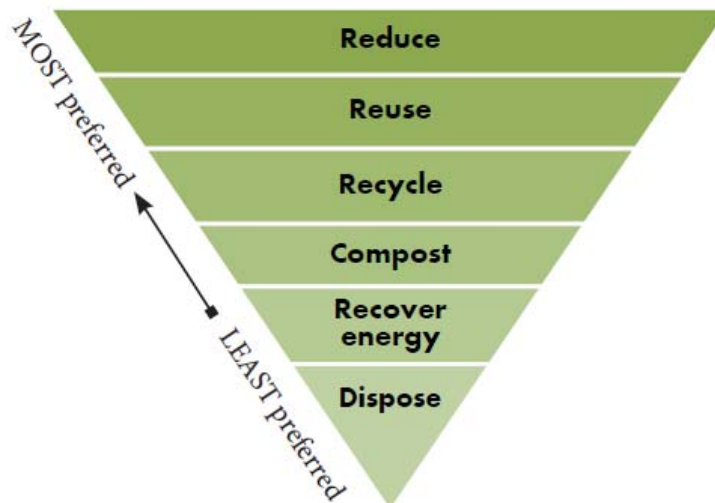
- Serves as a regional framework for the coordination of waste reduction programs
- Provides a prioritized program of solid waste system improvements
- Establishes regional goals and objectives, including a waste recovery goal
- Satisfies state law requiring the development and implementation of a waste reduction program for the Metro region

The RSWMP envisions an evolution from today's solid waste management practices to those that more holistically contribute to the sustainable use of natural resources. Implementation of the goals and objectives outlined in the plan will enable the region to continue progress in three key areas:

Waste Reduction	Reducing the amount and toxicity of waste generated and disposed and attaining the watershed's 64 percent statutory waste recovery goal.
Sustainable Operations	Advancing sustainable practices throughout the region's solid waste operations.
Solid Waste Disposal System	Ensuring the disposal system continues to serve the best interests of the region.

The plan uses the solid waste hierarchy as the framework for guiding solid waste management decisions and program development in these areas. The solid waste hierarchy provides an order of preference for action to reduce and manage waste represented in the figure below.

Figure 1. Solid waste hierarchy



Source: Oregon Revised Statutes 459.015; Oregon DEQ; RSWMP 2008-18, 2008.

SECTION 2: SCOPE AND METHODOLOGY

This report fulfills the requirement for a five-year review of the RSWMP to evaluate the need for plan revisions. The objectives of the review are to:

1. Determine if the plan is being implemented uniformly and consistently across the region.
2. Assess plan effectiveness in meeting program goals and objectives.
3. Determine if major mid-course corrections are needed.

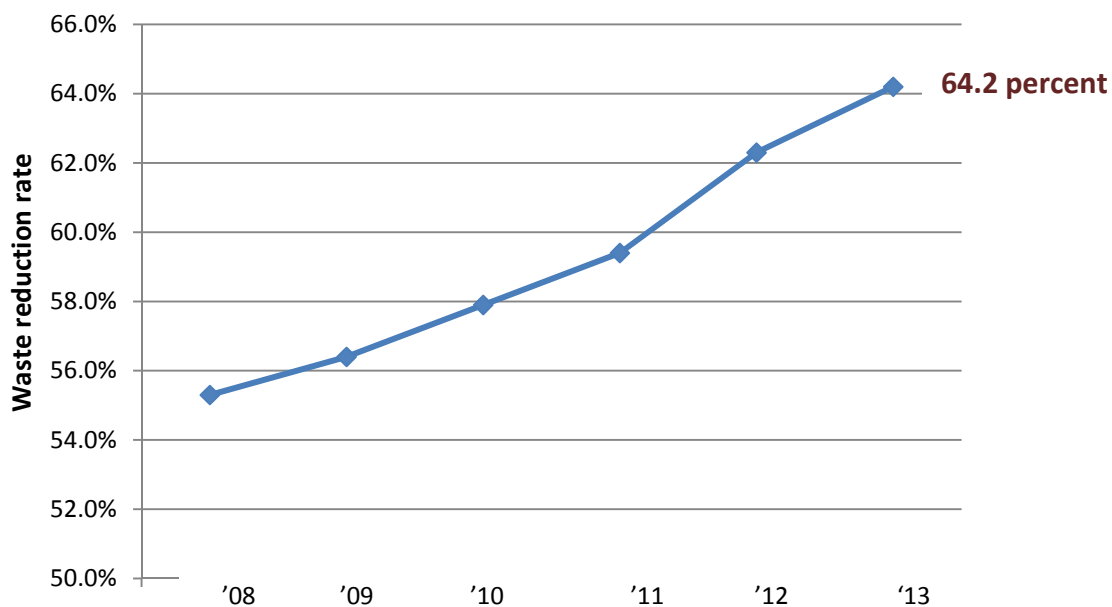
To accomplish these objectives, Metro assessed each program area in the plan to evaluate performance and identify areas for monitoring or improvement. The quantitative progress of the plan was evaluated using the most current recovery data provided by Oregon Department of Environmental Quality (DEQ). Metro also conducted a high-level review of progress on the Sustainable Operations and Solid Waste System elements of the plan.

SECTION 3: REGIONAL PROGRESS

In 2001, the Oregon legislature set state and watershed goals for recovery and a state goal for waste generation. The watershed goal for the Metro region, comprising Multnomah, Washington and Clackamas counties, is 64 percent recovery by 2009. The recovery goal includes an allowance for up to six percent credits in the recovery rate calculations for the implementation of programs that target waste prevention, reuse and composting. The statewide goals for waste generation are no increase in per capita waste generation by 2005 and no increase in total waste generation by 2009 and in subsequent years.

In 2013, the Metro region achieved the watershed recovery goal with a 64.2 percent recovery rate, recovering more than 1.3 million tons of material. This includes six percent in credits from waste prevention, reuse and composting programs, and a calculated 56.2 percent recovery rate from recycling, composting and energy recovery (primarily from wood waste).

Figure 2. Metro Region Recovery Rate 2008-2013

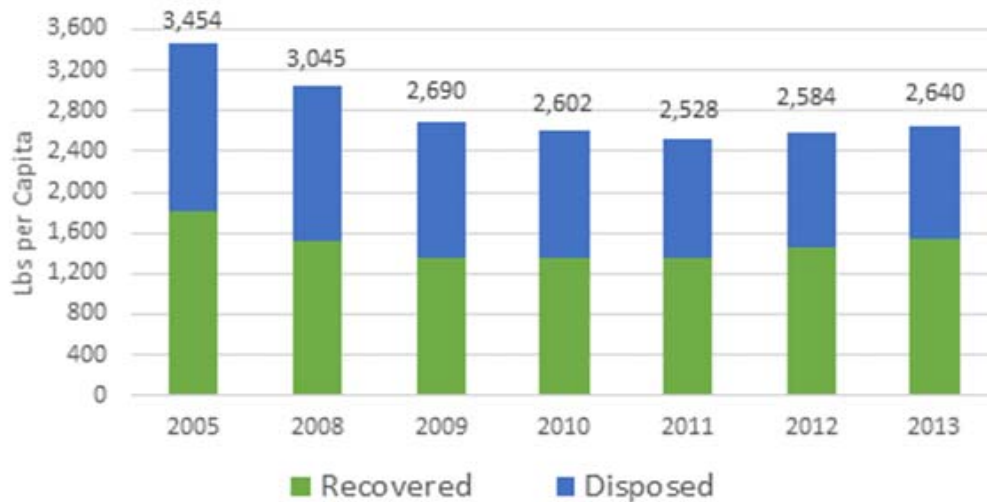


Source: Oregon Department of Environmental Quality, 2014.

The region saw increases in recovery for some commonly-recycled materials, such as paper, but also growth in newer items such as food scraps and electronics. A significant boost in electronic waste recovery can be attributed to Oregon E-Cycles, a statewide program that requires electronics manufacturers to provide free recycling of computers, monitors and televisions..

The per-capita waste generation in Oregon during 2013 was 2,469 pounds and Metro’s per-capita waste generation was slightly higher at 2,640 pounds. Overall, per-capita waste generation in the region has decreased 23 percent since 2005. Part of this decrease can be attributed to the great recession that began in approximately in 2007.

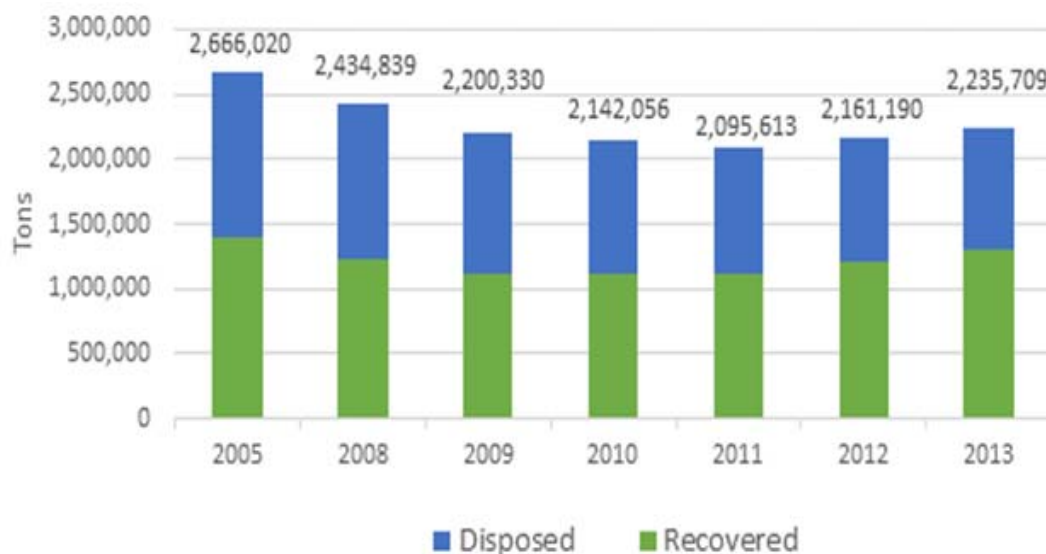
Figure 3. Per-Capita Waste Generation in Metro Region 2013



Source: Oregon Department of Environmental Quality, 2014.

Metro’s total waste generation during 2013 was more than 2.2 million tons. Total waste generation has decreased 16 percent since 2005.

Figure 4. Total Waste Generation in Metro Region 2013



Source: Oregon Department of Environmental Quality, 2014.

Recycling efforts of the region's residents and businesses have resulted in significant environmental benefits, including conservation of natural resources, energy savings and greenhouse gas reductions. Energy savings in 2013 were the equivalent of 201 million gallons of gasoline, or roughly 3 percent of total energy used by all sectors of Oregon's economy in 2013. Greenhouse gas reductions in 2013 from recycling, composting and energy recovery totaled approximately 2.5 million metric tons of carbon dioxide equivalents – equal to tailpipe emissions from 523,721 passenger vehicles. It would take 2,039,079 acres of U.S. forest one year to sequester the equivalent amount of carbon.

SECTION 4: FINDINGS

The RSWMP identifies policies, goals and objectives to guide the program in the key areas for action: waste reduction, sustainable operations and the solid waste disposal system. The plan identifies the waste recovery rate as the primary measure of plan performance. The midterm review identified seven key findings based on the implementation of the plan to date that are detailed in the following pages.

1.0 Progress toward regional waste reduction goals and objectives has been achieved through long-standing and new programs.

Waste Reduction Goal and Objectives

The Waste Reduction component of the RSWMP includes four goals and 45 objectives to guide programs and regional requirements to reach 64 percent recovery goal. The four goals are listed below and the objectives can be found in Appendix A.

Program Area Goals

Waste Reduction:	Increase the sustainable use of natural resources by achieving the waste reduction goal of 64 percent.
Education:	Increase the adoption of sustainable practices through increased knowledge, motivation and commitment.
Hazardous Waste:	Reduce the use and improper disposal of products generating hazardous waste in order to protect the environment and human health.
Product Stewardship:	Shift responsibility to manufacturers, distributors and retailers for ensuring that products are designed to be nontoxic and recyclable, and incorporate the cost of the product's end-of-life management in the purchase price.

Both the goals and objectives provide high-level direction to allow for programs to adapt with the evolving waste stream. The midterm review found that the region has made consistent progress toward the goals and meeting the plan's objectives through:

- Maintenance of key long-standing programs
- New and expanded programs to increase recovery in targeted sectors
- Required programs

The midterm review evaluated each of these programs areas and identified two areas for potential improvement and further program expansion. A summary of the review is detailed in the following pages.

Long-Standing Programs

Each year, Metro and its local government partners develop cooperative plans to implement the region's waste prevention and recycling programs. The creation of regionally coordinated plans and services accessible to all is the basis of each program area. As a result, each goal is supported by core programs that ensure basic waste reduction services and programs tailored to specific audiences. Examples of these programs are highlighted below.

Annual Waste Reduction Grant Program	Per-capita grants allocated to local governments have played an instrumental role in helping local jurisdictions implement waste prevention and recycling activities, provide regular outreach to citizens and businesses, maintain recovery progress and participate in regional waste reduction work groups.
Recycle at Work	The Recycle at Work program is a cooperative program delivered by Metro and local governments to provide technical assistance to businesses in the region through on-site waste evaluations, recommendations to the businesses around key practices and follow-up evaluations to assess progress. The program is designed to address the individual needs, barriers and particular circumstances affecting the business sector with regard to waste prevention, recycling and toxics reduction. Grants are provided to local governments for the Recycle at Work program based on number of employees in each jurisdiction.
School Education	Metro provides targeted education in schools, including elementary and secondary programs, to provide age-appropriate information and concepts around resource conservation and environmental awareness. The guiding approach is to develop curriculums that are appropriate for each age group and that cumulatively help build an environmental stewardship ethic.
Adult Education	In addition to conducting annual education and outreach campaigns to support resident awareness of recycling, reuse and waste prevention, Metro provides both phone and web-based information referral services through the Recycling Information Center (RIC) resource listings. In addition, Metro's website provides a comprehensive clearinghouse that includes the Find-A-Recycler tool and a "tools for living" section that provides information about alternatives to toxic products used at home and in the yard and garden.
Toxics Reduction and Natural Gardening:	Education on alternatives to household chemicals is provided through general and targeted audience efforts. Natural gardening education is provided through partner outreach, an e-newsletter, two learning gardens, robust online information and informational brochures.
Hazardous Waste Collection Services	The region has long-standing services to prevent improper disposal through collection of household hazardous waste at Metro's two transfer stations and at neighborhood collection events held by Metro from spring to fall each year. As a part of the disposal services, education is provided on-site on alternatives to household chemicals and pesticides.

New and Expanded Programs

A number of new or expanded recovery programs have been implemented since approval of the 2008 RSWMP. These programs are focused on the sectors that offer the most potential for additional recovery. Examples of new or expanded programs are highlighted in the table below.

Product Stewardship Initiatives	<p>In partnership with DEQ and many public and private sector stakeholders, Metro invested considerable effort in building the region’s understanding of product stewardship and the opportunities it presents. The region developed technical resources to inform future initiatives, and provided assistance to state legislators and others in crafting specific legislative proposals. Since adoption of the RSWMP, there have been three major successes in advancing product stewardship: implementation of the Oregon E-Cycles legislation (2009); expansion of the Oregon Bottle Bill (2011); and passage and implementation of the PaintCare program (2009 pilot, 2013 permanent).</p>
Chemicals Policy Initiatives	<p>Metro has taken a more active role in working with DEQ, local governments and non-governmental organizations to advance chemical policy reform and toxics reduction initiatives.</p>
Building Industry	<p>The Enhanced Dry Waste Recovery Program was implemented in 2009. It requires that all mixed non-putrescible waste generated in the region must be delivered to a material recovery facility for processing prior to disposal to recover cardboard, wood and metals. A 2012 progress report showed that the program resulted in a 20,000-ton increase in recovered dry waste from the time the program was implemented,</p>
Commercial Food Scraps	<p>Metro has provided funding assistance for collection program development and has continued to provide transfer and processing services for commercial food scraps through Metro Central Station. A significant effort is underway to develop alternatives to increase the region’s capacity for processing food scraps to boost recovery and provide more stable and equitable access to services throughout the region.</p>

Required Programs

Although the RSWMP is implemented primarily through cooperative working relationships, the plan also contains required programs. Both requirements, the Regional Service Standard and the Business Recycling Requirement, are designed to support the implementation of other RSWMP programs and help the region meet state-mandated material recovery goals. These required elements are summarized below.

Regional Service Standard

The Regional Service Standard (RSS) addresses recycling collection services in the single-family residential, multi-family residential and business sectors, as well as education and outreach efforts targeting each of these sectors. The purpose of the standard is to ensure a comprehensive and consistent level of recycling services across the region. Local governments are required to either certify that their program meets the service standard, or submit an application to Metro for approval of an alternative program. The RSS has been effective overall in ensuring that the region’s households and businesses have equitable access to the waste reduction programs that will allow the region to meet its recovery goals.

Since the RSS was adopted in 2008, two revisions have been made to the standard:

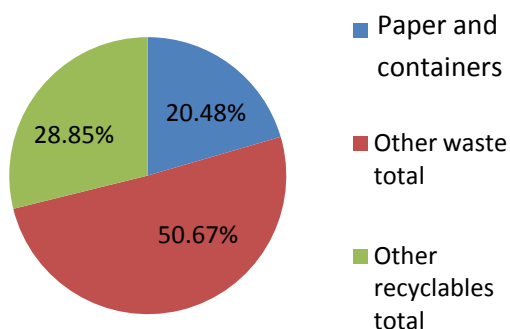
- In 2011, Metro adopted administrative procedures to respond to differences inherent in the urban and rural areas of the Metro region and allow for variations in level of service under certain conditions. The adopted administrative procedures included exemptions for the collection of motor oil and yard debris from multi-family communities and curbside yard debris collection for rural customers.
- In 2013, Metro amended the RSS to require that glass bottles and jars continue to be collected in a separate container from other recyclables. This practice limits contamination of paper and other recyclables and provides higher quality material to end markets.

Metro is in the process of reviewing the Regional Service Standard to improve its effectiveness. A household recycling and waste composition study to be completed in February 2015 will be used to help determine whether amendments to the Regional Service Standard should be considered to address recycling collection service frequency and contamination levels in recyclables.

Business Recycling Requirement

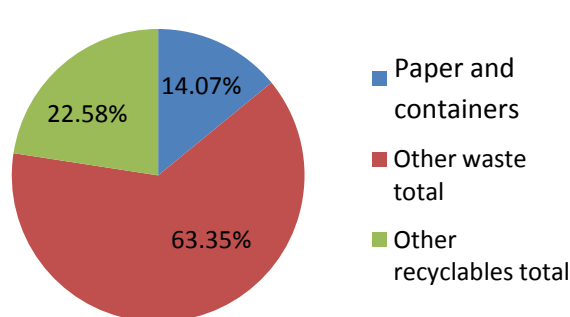
The regional Business Recycling Requirement (BRR) was implemented in 2009. It required local governments to establish recycling requirements for businesses. The requirement supports the RSWMP goals to reduce business sector waste that is generated and disposed in the region. The goal of BRR was to capture 90 percent of the paper and containers disposed of by businesses in the region. In the first couple of years after program adoption, local governments focused on notifying businesses of the new requirements and providing businesses with assistance in setting up their recycling programs. An evaluation of BRR completed by Metro in 2012 indicated that nearly all businesses have been notified of the recycling requirements and have recycling collection systems in place. A waste composition study conducted as a part of the evaluation indicated that the amount of recyclables disposed decreased since the adoption of the requirements, as shown in the figures below. In 2012, the business sector captured more than 83 percent of the desired materials. Overall, the program has been effective in establishing a standardized level of recycling services for businesses and their employees and contributing to this high capture rate.

Figure 5. 2007 Business Recycling Baseline Waste Composition Study



Source: Metro, 2007

Figure 6. 2012 Business Recycling Waste Composition Study



Source: Metro, 2012.

Potential Areas for Program Expansion

Although both the existing and new programs have been consistently implemented under the goals and objectives, two areas were identified for monitoring and potential program expansion.

School Education

School education objective 1.0 is to provide education programs that help teachers incorporate resource conservation concepts, including waste prevention and toxicity reduction, into their teaching. Metro's waste reduction youth education program serves a diverse audience of approximately 26,000 K-12 students each year. There is high demand for its classroom services because the presentations are specifically designed to fit into teachers' curricula, meet state standards for subject matter and instructional time, and provide age-appropriate waste reduction-related programming. Evaluation of the program shows that the presentations are effective at meeting Metro objectives and satisfying teachers' needs. While it is evident that there is unmet demand for the classroom services, staffing capacity limits Metro in the number of schools it is able to reach. Expanding the program will increase the number of students reached and help make additional progress toward the RSWMP's education goal and school education objectives.

Multifamily

Multifamily objective 1.0 is to implement a program that is suited to the needs of multifamily housing that is uniform and consistent across the region. While there has been relatively consistent implementation of education programs targeted at this sector, there continues to be inconsistency in the provision of collection services, as indicated by inequitable access to convenient recycling containers.



Metro waste reduction educator teaching primary school students about compost



Metro's "Compost City" puppet show presented to early elementary students.

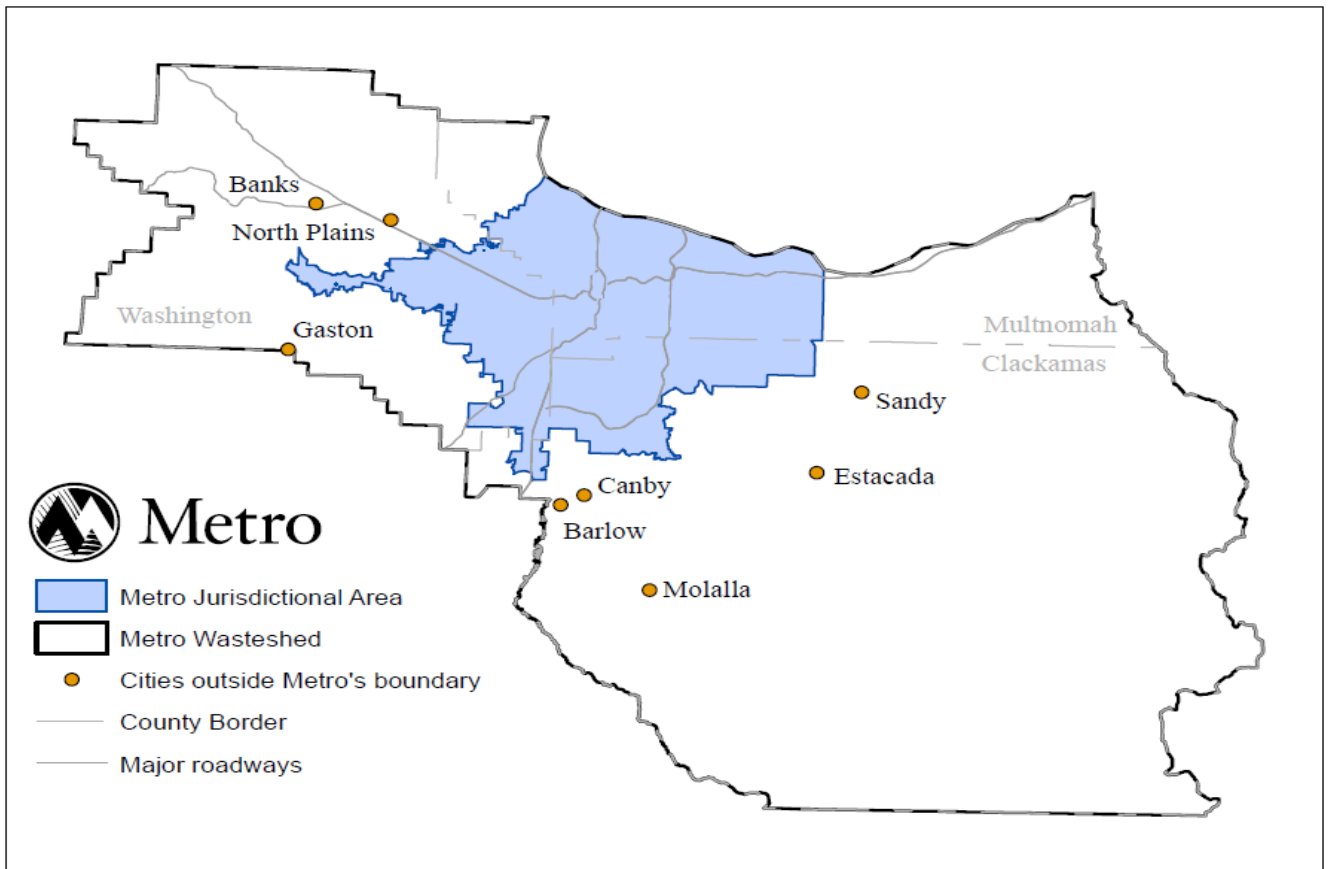
2.0 Plan compliance methods should be evaluated.

Although the majority of jurisdiction within the Metro boundary are compliant with the RSWMP required elements, two jurisdictions, Troutdale and Damascus, are noncompliant with the Business Recycling Requirement. These jurisdictions are notified annually of their noncompliance and offered assistance to come into compliance. Metro withholds annual waste reduction grant funding from these jurisdictions, but the amounts of this funding have proven to be an insufficient incentive for them to come into compliance. Metro should evaluate additional methods to encourage compliance.

3.0 Metro cannot effectively enforce requirements on jurisdictions outside of its geographic area of authority.

Under Oregon statute, the waste reduction component of the RSWMP applies to the entirety of Clackamas, Multnomah and Washington counties (the “wasteshed”). However, Metro cannot effectively enforce RSWMP requirements on jurisdictions outside of its boundary because it has limited legal authority to do so. Currently, there are eight jurisdictions outside the Metro boundary that fall under RSWMP guidance, Barlow, Banks, Canby, Estacada, Molalla, Sandy, Gaston, and North Plains. In planning for the next RSWMP, Metro should work with DEQ to examine how to more effectively enforce required elements on jurisdictions not subject to Metro’s legal authority.

Figure 7. Metro Wasteshed Map



4.0 Considerable progress has been made toward sustainable operations goals and objectives.

Sustainable Operations Goals and Objectives

The sustainable operations goals and objectives were a new addition to the 2008 RSWMP that focused on how sustainability principles could be applied to solid waste operations that are regulated by government. The plan provides nine goals and 23 objectives to address air and water emissions, energy use, employee work life and institutionalizing sustainability in solid waste operations (See Appendix B).

Sustainable Operations Goals

- Goal 1.0** Reduce greenhouse gas and diesel particulate air emissions.
- Goal 2.0** Reduce stormwater runoff.
- Goal 3.0** Reduce natural resource use.
- Goal 4.0** Reduce use and discharge of toxic materials.
- Goal 5.0** Implement sustainability standards for facility construction and operation.
- Goal 6.0** Adopt best practices for customer and employee health and safety.
- Goal 7.0** Provide training and education non implementing sustainability practices.
- Goal 8.0** Support a quality work life.
- Goal 9.0** Employ sustainability values in seeking vendors and contractors.

In 2009, a baseline study was performed to determine what, if any of the sustainable operations goals and objectives already existed at solid waste facilities in the region. The study concluded that many of the facilities, including Metro-owned facilities, had energy and water conservation practices in place. In addition, many of the companies explored or had programs in place that address work-life balance, worker safety and community service programs. As a result, the region prioritized work on the first goal which is to reduce greenhouse gas and diesel particulate air emissions. Work toward this goal focused on: 1) reducing diesel particulates emitted by regional refuse and recycling collection fleets and 2) transitioning to clean fuels.

Diesel Particulate Reduction

Through a partnership with DEQ's Air Quality Division, the region received funding from a State Clean Diesel Grant issued by the U.S. Environmental Protection Agency (EPA). The grant retrofit solid waste fleet vehicles with emission control devices. The purpose of the retrofits was to eliminate 25-95 percent of all diesel particulate matter emitted by these vehicles. With its own funding contribution, Metro was able to retrofit 119 vehicles at a total cost of \$653,190.

Based on an EPA valuation for Multnomah County, a monetization of the direct and indirect human health and environmental impact benefits of this project are estimated at over \$1.4 million per ton of particulate matter mitigated. According to the 2013 Clean Fleet Refuse Vehicle Retrofit Project report by Metro, the full return on investment for this project over the four to five-year life expectancy of the vehicles and the devices is approximately \$7.2 million to \$9.1 million.

Clean Fuels

Clean fuels are defined as natural fuels, such as compressed natural gas, which are used as a substitute for fossil fuels and produce less pollution than the alternatives. Both Metro and local haulers have started transitioning vehicles to use clean fuels and developing the supporting infrastructure.

Many of the region's refuse and recycling collection companies expressed interest in switching their hauling fleets to Compressed Natural Gas (CNG). Because of the duty cycle requirements of these vehicles, the refuse fleet industry is an ideal candidate for operating vehicles on CNG. For example, Waste Management installed two CNG fueling stations and is replacing its entire fleet of approximately 150 diesel fueled vehicles with CNG-fueled vehicles. To date, Waste Management has replaced approximately 80 diesel vehicles with CNG vehicles.

In 2014, Metro received a \$444,000 Federal Highway Administration Congestion Mitigation Air Quality grant for the design and construction of a CNG fueling station at the Metro Central Transfer station. This grant is administered by the Oregon Department of Transportation.

As a result of the diesel particulate reduction and clean fuels initiatives, the region has made significant progress toward reducing the environmental impacts of the solid waste operations. Metro will continue to work on progress toward the first goal through clean fuels initiatives and serve as a resource for the solid waste industry on adoption of the other sustainable operations goals and objectives.

Compressed Natural Gas Benefits	
Sulfur Dioxide	99% less
Particulate Matter	90% less
Nitrogen Dioxide	75-95% less
Carbon Monoxide	70-90% less
Carbon Dioxide	20-30% less

Source: NGV America, Environmental Protection Agency.



5.0 The Solid Waste Roadmap will further develop long-term guidance for the disposal system.

The region has an effective and complex solid waste system, with public facilities owned by Metro, private facilities regulated by Metro and private hauling companies regulated by local jurisdictions. During the 2008 RSWMP development, the disposal system was evaluated to determine the best way to deliver safe, environmentally sound and cost-effective waste transfer and disposal services to the public and private users of the region. The disposal system evaluation included an analysis of transfer station ownership options: public, private, or public-private hybrid. The Metro Council concluded continuation of the hybrid model of public and private transfer station ownership would best serve the region.

Following the transfer station analysis, several other system issues needed further analysis. To address this, the RSWMP includes a Systems Improvements Work Plan (see Appendix C) that identifies several specific areas for future evaluation including wet waste allocation, system financing, provision of self-haul services and facility regulation. Metro Council directed the development of system management policies, goals and objectives to guide decisions in these areas. This work is being addressed in part through the Solid Waste Roadmap planning effort. In 2015 and 2016, the Metro Council will be asked to identify a preferred approach for the future of disposal that will provide a set of principles to guide future decisions on the solid waste system. By the end of 2015, the Metro Council will need to adopt new terms for private facility authorizations, while considering the transition of private and public operations to support the vision for the future system. Key operational contracts associated with the management of waste at and from Metro transfer stations will expire by the end of 2019 and work on what follows them needs to be initiated by 2017. This work will result in key guidance for the long term management of the region's disposal system and should be incorporated into the next RSWMP.

Solid Waste Roadmap Key Questions

1. **Long-term Management.** Over the long run, what does the region want to do with materials that aren't reused, recycled, or composted?
2. **Metro South Station.** What service alternatives should Metro pursue at Metro South and in the vicinity to provide for the full suite of needed services?
3. **Foundational Work.** What is the amount and nature of waste that might be discarded in the future, and how will various alternatives perform in managing it?
4. **Food Scraps Capacity.** What actions should Metro take to ensure reasonable proximate capacity to transfer and process food scraps collected from the region's businesses and residents?
5. **Transfer System Configuration.** What model of the public-private transfer system (*e.g.*, service levels, tonnage allocations, rates, etc.) best provides for the public interest?
6. **Fee & Tax Policies.** How should Metro recover the cost of solid waste services and programs, and of general government, to improve stability, equity and predictability?

6.0 Discards management is shifting to materials management.

The RSWMP has provided sufficient guidance over the last five years for coordinating waste reduction program efforts. However, since the adoption of the plan, the framework for managing solid waste in Oregon has shifted to a more comprehensive approach that addresses the integrated nature of materials from production to disposal. This is consistent with the RSWMP policy guidance, but provides new opportunities for actions the region can take to reduce environmental and human health impacts of the generation and disposal of waste. In 2012, the Oregon Department of Environmental Quality (DEQ) adopted a new framework, *Oregon 2050 Vision and Framework for Action*, reflecting this shift and formalizing the approach for regional application.

Oregon 2050 Vision and Framework for Action

In the 2050 Vision, Oregonians live within the limits of their sustainable share of the world's natural resources. Materials and products support human health, well-being and healthy, resilient environments and communities—whether those goods are made in Oregon, used in Oregon, or both. Sustainable use of resources allows all people to enjoy a prosperous, clean economy and fulfilling lives, now and in the future. The desired outcomes for 2050:

- Producers make products sustainably. Every option is a sustainable option.
- People live well and consume sustainably.
- Materials have the most useful life possible before and after discard.

As described in the *Oregon2050 Vision*, the materials management approach includes waste prevention and discard management, while also seeking to reduce environmental impacts by managing materials in each stage of their life. This approach identifies impacts and actions to address those impacts across the full cycle of materials and products as they move through the economy from raw material extraction to product design and manufacture, transport, consumption, use, reuse, recycling and disposal.

This approach provides new areas of opportunity for the development of both goals and actions to protect the environment and human health and should be used as framework for the next RSWMP.

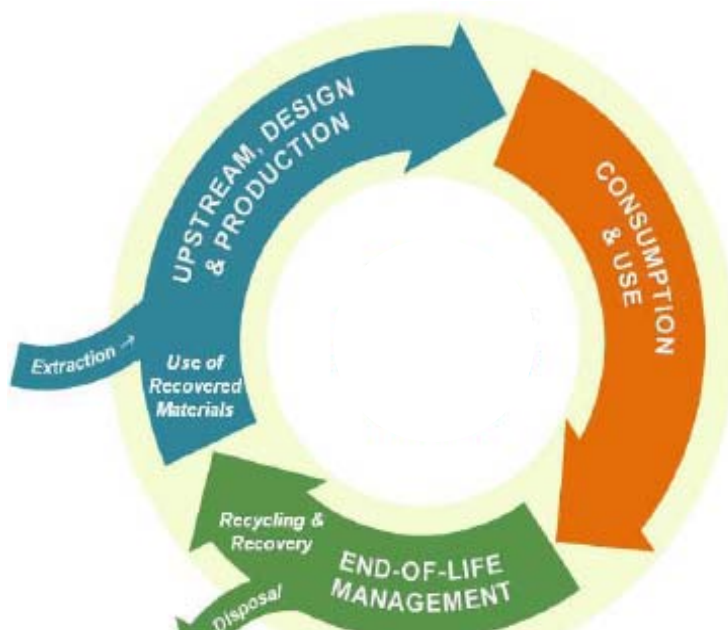


Figure 8. Life Cycle Materials and Products

7.0 New and updated goals are needed to track environmental progress.

The regional waste recovery rate has been the primary benchmark for plan performance. This goal and associated sector tonnage targets reflect a traditional focus on measuring landfill disposal from recycling, composting and recycling programs. The existing statewide and wasteshed recovery goals were last revised in 2001 and were set through 2009. The RSWMP directs the development of a new set of numerical goals beyond the last benchmark of 2009. As a part of the implementation of the *2050 Vision and Framework*, DEQ is in the process of updating statutory goals and measures for all wastesheds, making it timely for the region to begin work on new goals.

DEQ is considering two measurement areas with both statutory goals and administrative measures. The statutory goals are highlighted in the table below and will be considered for adoption in the 2015 legislative session.

Oregon Wasteshed Goals and Measurement Areas

Focus Area	Statutory Goals
Material Recovery	<ul style="list-style-type: none">Statewide recovery rateStatewide material-specific recovery rates for food, plastics and carpetWasteshed recovery rate by tonnageWasteshed recovery rate by environmental outcomes
Waste Generation	<ul style="list-style-type: none">Statewide goals

The proposed statutory goals fall into two areas: wasteshed recovery and waste generation. In contrast to the existing measures, the new recovery goals will include only recycling and energy recovery in the rate calculations, excluding credit for waste prevention, on-site composting and reuse activities. The new measures around individual materials and environmental outcomes are intended to broaden the scope of the goals and consider the life-cycle environmental impacts of materials.

If the 2015 Oregon Legislature approves these proposed statewide and wasteshed goals, RSWMP will need to reflect these changes to state law, and in turn, the region will need to adopt new goals. . These new goals will serve as an important first step toward the development of the next RSWMP. Metro will continue to work closely with DEQ on the development and coordination of goals, measures and data sources.

2015 Oregon Legislature- Senate Bill 263

This legislation is one of two proposals by DEQ that emerged from the Environmental Quality Commission's adoption of the *Oregon 2050 Vision and Framework for Action*. This proposal includes the removal of the six percent credits allowed for waste prevention, reuse and home composting activities in calculation of recovery rates and updates recovery goals. Without credits, the state recovery rate was 49.7 and the Metro region's recovery rate was 56.2 percent in 2013. The new goals include:

- New statewide recovery goals of 52 percent by 2020 and 55 percent by 2025
- Metro regional wasteshed recovery goal of 64 percent by 2025

SECTION 4: RECOMMENDATIONS

Recommendation 1: Continue work on key programs and make better progress on areas identified for improvement.

Overall, the region has been consistent in the implementation of the RSWMP's waste reduction strategies and meeting the plan's objectives through the maintenance of key long-standing programs and the development of new and expanded programs. To continue progress toward reducing the amount of waste disposed, the region should continue to maintain key programs and evaluate potential expansion in school education and multifamily program areas.

Recommendation 2: Develop new and updated goals to track environmental progress and consider the life cycle impacts of products and materials.

The development of new goals beyond those currently in place is critical to support continued progress in reducing the amount and toxicity of waste generated in the region. This work should be aligned closely with DEQ's proposed new measures and *Oregon 2050 Vision and Framework for Action*. These measures should include both long term goals and indicators that can monitor progress over time and take into account environmental benefits beyond quantities recovered.

Recommendation 3: Complete development of disposal system policies and guidance.

The 2008 RSWMP identifies a number of important areas for improvements in the disposal system, but lacks broader system objectives to frame those improvements. Work is underway in the Solid Waste Roadmap projects to formulate both broad policies and more specific fixes to those areas. This key guidance should be incorporated into the next RSWMP.

Recommendation 4: Initiate the planning process for the next RSWMP.

In coordination with the development of new long term goals, the region should begin the planning process for the next RSWMP. Given that the guiding framework for managing solid waste in Oregon has shifted to a more comprehensive approach that incorporates the life cycle impacts of materials, a new plan is needed to identify programs to achieve new goals within the materials management framework. This planning process should be developed in alignment with the *Oregon 2050 Vision and Framework for Action*, integrated with the Solid Waste Roadmap planning effort and address plan compliance issues.

Appendix A: RSWMP Waste Reduction Goals and Objectives

Goals	Objectives
<p>Waste Reduction</p> <p>Goal: Increase the sustainable use of natural resources by achieving the waste reduction goal of 64%.</p>	
<p>Single-family residential</p>	<ul style="list-style-type: none"> • Conduct annual outreach campaigns that focus on preventing waste, reducing toxicity and/or increasing the quantity and quality of recycling setouts. • Identify and implement service provision changes and incentives to maximize recycling, and identify and evaluate new collection technologies. • Expand curbside service by adding new materials as markets and systems allow. • Promote home composting and appropriate onsite management of yard debris and food waste. • Develop residential organics collection programs when economically and technically feasible.
<p>Multi-family residential</p>	<ul style="list-style-type: none"> • Implement a program suited to the needs of multi-family housing that is uniform and consistent throughout the region. • Provide annual regional education and outreach targeting multi-family housing. • Identify and evaluate new collection technologies for implementation on a cooperative regionwide basis.
<p>Business</p>	<ul style="list-style-type: none"> • Provide businesses with annual education and technical assistance programs focused on waste reduction and sustainable practices. • Develop information and resource materials that demonstrate the benefits of waste reduction and sustainable practices to support the business assistance program. • Conduct annual regional outreach campaigns to increase participation in the business assistance program and to promote recycling opportunities and other sustainable practices. • Implement waste reduction and sustainable practices at government facilities. • Identify and implement opportunities for increasing recovery in the business sector, including service provision options, incentives for recycling and regulation. • Periodically review end-use markets to assess cost-effectiveness, material quality and capacity.
<p>Building industry</p>	<ul style="list-style-type: none"> • Develop a regionwide system to ensure that recoverable construction and demolition debris is salvaged for reuse or is recycled. • Provide the building industry with annual outreach, education and technical assistance programs that demonstrate the benefits of green building, including building material reuse and recycling. • Include sustainable practices and products in the development, construction, renovation and operation of government buildings, facilities and lands. • Support the development of and access to viable end-use markets for construction and demolition materials.
<p>Commercial organics</p>	<ul style="list-style-type: none"> • Provide outreach and education programs for targeted businesses to support and increase organic waste prevention and diversion practices. • Enhance access to organics recovery services throughout the region. • Implement organic waste recovery programs at government facilities where feasible. • Work to ensure that compost products are specified for use in government projects. • Periodically review the viability of end-use markets and assist with market development efforts.

Appendix A (continued): RSWMP Waste Reduction Goals and Objectives

Goals	Objectives
<p>Education services</p> <p>Goal: Increase the adoption of sustainable practices through increased knowledge, motivation and commitment.</p>	<ul style="list-style-type: none"> • Provide a regional information clearinghouse and referral service. • Provide education and information services for residents and businesses that are targeted to specific waste streams, materials or generators. • Provide education programs that help teachers incorporate resource conservation concepts, including waste prevention and toxicity reduction, into their teaching. • Provide programs at the elementary level that establish fundamental concepts of resource conservation and environmental awareness through active learning experiences. • Provide programs at the secondary level (middle and high school) that will extend concepts established at the elementary level and prepare students for making responsible environmental choices in everyday adult life. • Work with schools and teachers to increase support for regional solid waste programs and create opportunities for partnerships.
<p>Hazardous waste management</p> <p>Goal: Reduce the use and improper disposal of products generating hazardous waste in order to protect the environment and human health.</p>	<ul style="list-style-type: none"> • Provide hazardous waste education programs that focus on behavior change. • Provide hazardous waste education programs that focus on those products whose toxic and hazardous characteristics pose the greatest risks to human health and the environment, or that are very costly to properly dispose or recycle. • Provide hazardous waste reduction messages and information to all customers bringing waste to household hazardous waste collection sites. • Coordinate hazardous waste education efforts with related efforts conducted by government agencies and community groups in the region and in other areas. • Research and develop tools to measure the generation, impacts and reduction of hazardous waste, when this can be accomplished at a reasonable cost. • Manage collected waste in accordance with the hazardous waste hierarchy: reduce, reuse, recycle, energy recovery, treatment, incineration and landfill. • Coordinate collection programs with waste reduction and product stewardship efforts. • Conduct waste screening programs at solid waste facilities to minimize the amount of hazardous waste disposed with solid waste. • Use solid waste facilities efficiently and effectively for the delivery of collection services. • Maximize the efficiency of public collection operations, search for the most cost-effective methods and place a high priority on worker health and safety. • Offer a Conditionally Exempt Generator (CEG) program to manage waste from small businesses. • Implement bans on disposal of specific hazardous products as needed to address public health and environmental concerns.
<p>Product stewardship</p> <p>Goal: Shift responsibility to manufacturers, distributors and retailers for ensuring that products are designed to be nontoxic and recyclable, and incorporate the cost of the product's end-of-life management in the purchase price.</p>	<ul style="list-style-type: none"> • Prioritize product stewardship activities by evaluating products based on the significance of environmental impact (e.g., resource value, toxicity), current barriers to recycling, and financial burdens on governments for recovery programs. • Implement industry-wide product stewardship agreements or individual company stewardship programs in the region. • Educate public and private sector consumers about product stewardship and, in particular, their role in purchasing environmentally preferable products. • Work at the local, regional, state and national level to develop and implement policies, such as recycled-content requirements, deposits, disposal bans and advance recycling fees, that encourage product stewardship programs.

Appendix B: RSWMP Sustainable Operations Goals and Objectives

Goals	Objectives
<p>Sustainable Operations</p> <p>Goal: Reduce greenhouse gas and diesel particulate air emissions</p>	<ul style="list-style-type: none"> • Implement plans for greater energy efficiency. • Utilize renewable energy sources. • Reduce direct emissions of greenhouse gases from landfills and other facilities. • Reduce diesel particulate emissions in existing trucks, barges and rolling stock through best available control technology. • Implement long-haul transportation and collection alternatives where feasible.
<p>Goal: Reduce stormwater run-off</p>	<ul style="list-style-type: none"> • Implement stormwater run-off mitigation plans.
<p>Goal: Reduce natural resource use</p>	<ul style="list-style-type: none"> • Implement resource efficiency audit recommendations. • Implement sustainable purchasing policies. • Reduce disposed waste.
<p>Goal: Reduce use and discharge of toxic materials</p>	<ul style="list-style-type: none"> • Implement toxics reduction and management plans.
<p>Goal: Implement sustainability standards for facility construction and operation</p>	<ul style="list-style-type: none"> • Implement sustainability standards for site selection. • Require new construction to meet the Leadership in Energy and Environmental Design (LEED) or equivalent program standards. • Provide incentives for existing facilities to meet LEED or equivalent program standards.
<p>Goal: Adopt best practices for customer and employee health and safety</p>	<ul style="list-style-type: none"> • Reduce injuries by automating operations where effective. • Implement health and safety plans that meet or exceed current minimum legal standards.
<p>Goal: Provide training and education on implementing sustainability practices</p>	<ul style="list-style-type: none"> • Train key regional waste industry employees, government waste reduction staff and political officials in adopted sustainability practices. • Inform suppliers, contractors and customers of the adoption of sustainability goals and practices.
<p>Goal: Support a quality work life</p>	<ul style="list-style-type: none"> • Pay a living wage and benefits to all workers. • Promote community service. • Strive to employ a diverse work force.
<p>Goal: Employ sustainability values in seeking vendors and contractors</p>	<ul style="list-style-type: none"> • Request sustainability plans from potential vendors and contractors. • Assist vendors and contractors in achieving sustainable practices. • Support local vendors when feasible.

Appendix C: RSWMP System Improvements Work Plan

System Improvements Work Plan

Following the transfer system analysis, several other system issues need further analysis and policymaker review. The end result desired is a set of System Management Principles to guide future Metro decisions. A summary of these key system issues, a system improvements work plan, follows:

- (1) Wet waste allocation – Metro allocates wet waste in the system through tonnage authorization limits on local transfer stations and by granting non-system licenses for the 10% of wet waste not committed to our disposal contract. (These tonnage limits are a form of economic regulation.) The issue of policy drivers for determining future wet waste allocations in the region has been raised as part of the Disposal System Planning process. The primary desired outcome in waste allocation is that the ratepayer should benefit.
- (2) Public/private pricing – The Rate Policy Subcommittee’s report, presented to SWAC in March 2006, identified several areas to address in regional tip fees. These included the sensitivity of the public facilities to tonnage shifts and the private facility economics that improve with an increase in the tonnage charge and transaction fee and/or a drop in the Regional System Fee (RSF) and excise tax, even in the absence of any other change in cost or service to the private facility. Local government regulators have expressed concern that changes in fees for transfer and disposal services may not be directly related to costs or service. The desired outcome of addressing system finance issues at the heart of this matter is that the ratepayer should benefit.
- (3) Self-haul services at the region’s solid waste facilities - Approximately one-fourth of the region’s solid waste is delivered to facilities by other than licensed or franchised haulers. These self-haul loads at the region’s facilities contain about 30 to 40% recoverable material, but achieving high levels of material recovery from self-haul loads is hampered by insufficient space, small load sizes and a demand for services that sometimes exceeds the capacity of the facilities receiving the waste. A balance between demand and capacity is needed, with the desired outcome being the efficient provision of service to these customers and higher recovery of self-hauled loads. Whether this should be more generator-focused (in reducing or managing demand) or more facility focused (increasing capacity to serve self-haul in the region) or a combination is a key question.
- (4) Facility regulation – Metro controls the entry of new facilities into the solid waste system. The highest barriers to entry are for transfer stations or any other facilities handling wet or putrescible waste. Metro authorizes new transfer facilities from time to time after conducting cost/benefit and/or impact analysis. Previous cost/benefit studies have relied on measures of system cost, tip fee impacts, access, or travel time reductions. A recent local transfer station authorization was granted (Columbia Environmental) after consideration of these criteria, as well as an ad hoc criterion of supporting smaller, independent haulers in the region. Applicants and decisionmakers alike might benefit from clear guidance on the circumstances under which new transfer applications might be granted. Another issue in facility regulation that has been raised at the Metro Council is whether Metro should rate-regulate private transfer facilities as part of approved entry into the marketplace. The desired outcome on this issue is a determination of clear entry standards and regulatory controls on transfer facilities.



Metro | *Meeting minutes*

Meeting: Solid Waste Alternatives Advisory Committee (SWAAC)
Date: February 11, 2015
Place: Metro Regional Center, Council Chamber

Members present

Paul Ehinger, Metro
Kathy Kaatz, City of Tualatin
Scott Keller, City of Beaverton
Leslie Kochan, Oregon Dept. of Environmental Quality
Theresa Koppang, Washington County
Matt Korot, Metro
Mike Leichner, Pride Disposal
Keith Ristau, Far West Recycling
Bruce Walker, City of Portland
Amy Pepper, City of Troutdale
Amy Roth, Association of Oregon Recyclers

Members absent

Alando Simpson, City of Roses Disposal & Recycling
Dan Blue, City of Gresham

Guests

Tom Chaimov, Metro
Marta McGuire, Metro
Matt Tracy, Metro

1. CALL TO ORDER AND DECLARATION OF A QUORUM

Chair Matt Korot called the meeting to order and declared a quorum.

2. COMMENTS FROM THE CHAIR AND COMMITTEE MEMBERS

Chair Korot reviewed the agenda items. He also noted that recruitment for the vacant SWAAC position for jurisdictions under 50,000 will be closing next week. Council President Hughes will appoint the new committee member and the Metro Council will confirm the appointment.

In response to member questions, Chair Korot said that the new Recycling Information Supervisor, Susan Unrein, will begin work on March 2, 2015 and that Dan Nibouer, Metro's new Disaster Debris planner, will be reaching out to local governments soon.

3. CONSIDERATION OF SWAC MINUTES FOR DECEMBER 10, 2014

The minutes of the December 10, 2014 SWAAC meeting were approved as written.

4. UPDATES AND UPCOMING EVENTS

Tom Chaimov, Metro, provided the following updates:

- **Landfill Capacity Project:** Established by a resolution of the Metro Council on December 4, 2014, the project will look at landfill disposal capacity of waste and provide options to Council for establishing a landfill disposal policy. Bryce Jacobson will be Project Manager and will be developing a work plan to be completed by June 2016.
- **Transfer System Configuration:** Doug Anderson will convene a task force to advise Metro staff on which options represent the best way to configure the transfer system, and inform which model of the public-private transfer system would best serve the public interest. The task force's input will be shared with the Metro Council. The 12-member task force includes private and public facilities operators and represents two-thirds of the collectors in the system, and 95% of the region's facilities for post-consumer discards. Three members of SWAAC are also members of the task force: Alando Simpson, Mike Leichner and Paul Ehinger. The first meeting will be held Feb. 20, 2015 at Metro in Room 370 from 9:00 a.m. to Noon. The meeting is open to the public.
- The **Westside Economic Alliance Breakfast**, sponsored by Waste Management, will be held February 19, 2015, with the theme of Getting to Zero Waste. Speakers will include Metro Councilor Kathryn Harrington, as well as representatives from Providence Health, Gerber Gear and Waste Management.
- The **Metro Council meeting** agenda on February 19, 2015 will include two solid waste items: A proposed non-system license to Arrow Sanitary to send food scraps to Dirt Hugger in Dallesport, WA and a proposal to approve the Cowlitz County Landfill as a designated facility for receiving dry waste residual, special waste and cleanup material from the Metro region.
- **Alternative to Landfills:** As part of the Solid Waste Roadmap's Long-Term Management of Discards project, Rob Smoot of Metro is developing a Request for Expressions of Interest (RFEOI) from qualified firms (those who have been involved in the successful operation of such a business). Mr. Smoot will have the RFEOI ready for deployment in mid-March.
- The **Metro Policy Advisory Committee** (MPAC) will convene on April 8, 2015 from 5:00 to 7:00 p.m. and will review the Solid Waste Roadmap.
- The **BioCycle West Coast Conference** will be held at the Red Lion Hotel on the River on April 13-16, 2015, with the theme of Building Climate Resilient Communities. Metro is one of the event sponsors and several speakers from Metro will be presenting, including Councilor Harrington.
- The **Let's Talk Trash** series continues on May 5, 2015 at the Clinton Street Theater. The guest speaker will be David Allaway of DEQ, who will present: "Ignoble Rot: Food scraps as compost and energy".

5. MIDTERM REVIEW OF REGIONAL SOLID WASTE MANAGEMENT PLAN

Marta McGuire, Metro, presented a draft of the midterm review of the Regional Solid Waste Management Plan (RSWMP).

The RSWMP identifies policies, goals and objectives to guide work in waste reduction, sustainable operations and the solid waste disposal system. The plan identifies the waste recovery rate as the primary measure of plan performance. The objectives of the review are to:

- Determine if the plan is being implemented uniformly and consistently across the region.
- Assess plan effectiveness in meeting program goals and objectives.
- Determine if major mid-course corrections are needed.

In the draft midterm review, Metro identifies key findings based on the implementation of the plan to date and offers four preliminary recommendations:

Recommendation 1: Continue work on key programs and make better progress on areas identified for improvement.

Recommendation 2: Develop new and updated goals to track environmental progress and consider the lifecycle impacts of products and materials.

Recommendation 3: Complete development of disposal system policies and guidance.

Recommendation 4: Initiate the planning process for the next RSWMP.

Committee input and questions

- Mr. Leichner wondered if the language in the draft review should be evaluated to ensure the correct terminology regarding goals is being used. Aspirational goals are not interchangeable with “mandated” goals. Chair Korot clarified that even if there were no penalty imposed for failure to achieve certain objectives, Metro would make a concerted effort to meet them as statutory goals. Ms. McGuire agreed to review the draft document to identify where the term “mandated goal” may have been used.
- Mr. Walker noted that the City of Portland and Association of Oregon Recyclers is assessing how the State of Washington is measuring interventions at facilities in that State.
- Mr. Leichner queried how stormwater runoff was linked to solid waste in the Sustainability Operations goals of the RSWMP. Matt Tracy of Metro replied that the targets associated with these goals were part of the original plan and developed by the committee that was made up of haulers and facility operators.
- Chair Korot spoke to the collaborative efforts on shared goals by those on this committee. Mr. Walker emphasized the efforts of jurisdictions and industry to work together, but stated that there is still much work to do.
- Mr. Leichner asked what impact a material, e.g., newspaper, that has essentially disappeared from the recyclables stream would have on the goals and numbers. Ms. Kochan stated that the DEQ sets goals for wastesheds recognizing that material amounts can fluctuate. Mr Leichner responded that the public may question why a goal was not reached if the disappeared components were not factored in.

6. CITIZEN COMMUNICATIONS TO SWAAC AGENDA

David White of the Oregon Refuse & Recycling Association (ORRA) stated that the industry he represents appreciates being involved in the 2015 mid-term review of RSWMP, but has concerns. Metro is not responsible for solid waste collection and receiving approval by DEQ gives it the mantle of collection. The implication of “aspirational” goals is that Metro doesn’t have a mechanism to enforce compliance. Using “statutory goal” versus “mandatory goal” indicates that these are not requirements, as there is no consequence. “Mandates” should be taken out of the RSWMP document. The way RSWMP addresses goals implies there will be sanctions if these goals are unmet. This bootstraps authority over collection when Metro does not have that authority.

7. PREVIEW OF THE NEXT MEETING'S AGENDA AND FINAL COMMENTS

Chair Korot said that it is still to be determined whether there will be a meeting in March. He will let members and the public know toward the end of February.

8. ADJOURN

Chair Korot adjourned the meeting at 11:25 a.m.