



**METRO**

600 NE Grand Ave.  
Portland, OR 97232-2736

**MINUTES OF THE METRO SOLID WASTE AND RECYCLING COMMITTEE (SWAC) MEETING**

Metro Regional Center, Council Chambers  
Thursday, February 22, 2007

**Members / Alternates Present:**

Councilor Kathryn Harrington	Janet Malloch	Dave Garten
Mike Hogle	Andy Kahut	Mike Miller
Mike Leichner	Ray Phelps	Audrey O'Brien
Bruce Walker	Dean Kampfer	Matt Korot
Glenn Zimmerman	Dave White	Theresa Koppang
Lori Stole	Anita Largent	Steve Schwab
JoAnn Herrigel	Eric Merrill	Vince Gilbert
David Allaway	Paul Edwards	Tom Badrick

**Guests and Metro staff:**

Wendy Fisher	Brad Botkin	Bryce Jacobson
Segeni Mungai	Heidi Rahn	Paul Ehinger
Meg Lynch	Larry Harvey	Brian Heiberg
Roy Brower	Matt Tracy	Julie Cash
Michael Sievers	Jim Watkins	Gina Cubbon

**I. Call to Order and Announcements.....Councilor Kathryn Harrington**

- Councilor Harrington opened the meeting at 10:04 a.m.; the attendees introduced themselves.
- The Councilor handed out an updated timeline for the Regional Solid Waste Management Plan (RSWMP). A review cycle with SWAC has been added to the work plan. The draft will be available sometime in March, and Councilor Harrington asked that members please review the document in a timely manner and email their comments accordingly.
- Approval of minutes: Solid Waste & Recycling Director Mike Hogle announced a change to the minutes of the January 25 meeting. Agenda item IV of that meeting, paragraph 4, sentence beginning "Metro later won the dispute in court..." is amended to read "Metro later won the dispute in an administrative hearing and in front of Metro Council." WRI / Allied's Ray Phelps moved to accept the minutes as amended; Theresa Koppang of Washington County seconded the motion, which passed unanimously.

**II. Solid Waste & Recycling Director's Update.....Mike Hogle**

- Mr. Hogle announced that the Regulatory Affairs Division had caught their first surveilled illegal dumper, thanks to video equipment purchased earlier. He couldn't give any details because of the pending case.

- On February 5, Metro issued a notice of violation (NOV) to Waste Management’s Wastech facility for “failure to maintain a 12-month minimum cumulative compliance recovery rate of 25% in December 2006.” Wastech has stopped operating as a MRF and will operate as a dry waste reload until they’re able to meet the recovery rate.
- An NOV was issued to Greenway Recycling on February 8 for “failure to control access to the site,” which resulted to some unauthorized dumping after hours. Greenway has since installed gates.
- Metro has coordinated a group of haulers and local governments to look at the solid waste collection fleet and determine ways to phase out old engines in favor of diesel retrofits. The first workshop has taken place; the group will meet two more times before making recommendations.
- The Rate Review Committee will meet for the first time this budget season on Tuesday, February 27, Mr. Hogle told the group. Three meetings are anticipated. Council has asked the Committee to look into the Household Hazardous Waste program and whether there should be a fee to customers.

**III. DEQ’s Waste Prevention Strategy .....David Allaway**

Councilor Harrington introduced David Allaway of the DEQ, who announced that the Agency’s Draft Waste Prevention Strategy is now available online.

The four focus areas included in the Waste Prevention Strategy are:

1. Waste generation associated with design, remodeling, demolition of buildings;
2. Waste generation by businesses and decisions made by those businesses that contribute to waste. A short-term focus on packaging is included in this focus.
3. Consumer education.
4. Foundation research: Ongoing research and analysis into causes of waste generation increases, the environmental benefits of waste prevention, and economic impacts of waste prevention.

Comments on the Draft will be welcomed in any form (telephone, email, letters, in person, etc.), preferably by March 28.

To download a copy of DEQ’s Draft Waste Prevention Strategy, or learn more about the discussion meetings and other options for providing input, please visit the Strategy’s web page at:

<http://www.deq.state.or.us/lq/sw/wasteprevention/wpstrategy.htm>.

Alternatively, feel free to contact David Allaway at [allaway.david@deq.state.or.us](mailto:allaway.david@deq.state.or.us) or Jan Whitworth at [whitworth.jan@deq.state.or.us](mailto:whitworth.jan@deq.state.or.us).

Mr. Hogle said that Metro will develop comments in support of the Draft. Those could be brought to the next SWAC meeting, he said, and if there is interest within the group, SWAC could make it a recommendation with Metro. Mr. Phelps suggested that SWAC could comment in the context of how the DEQ document connects to the RSWMP.

**IV. Boneyard NW .....Bryce Jacobson**

Bryce Jacobson (of the Waste Reduction & Outreach Division) presented information about a new website being launched to help building contractors sell their reusable items. Mr. Jacobson gave an example of 200 fire doors – no residential C&D outlet could take more than a few, so contractors have been left with little option but to dispose.

The site, [www.boneyardnw.com](http://www.boneyardnw.com), can help match available materials with contractor's needs. Mr. Jacobson demonstrated how to use the site. In answer to various questions, he said that the site contains an email notification feature so that if a company is looking for a particular item or material, they will be notified when it's available on the site. One of the tool's goals, Councilor Harrington added, is to help ensure reuse of regional materials to help reduce waste generation.

The City of Milwaukie's JoAnn Herrigel told the group that Mr. Jacobson worked very hard with contractors to develop the website, which made the finished product a very useable tool. She thanked him for his efforts.

**V. Enhanced Dry Waste Recovery: Moving Forward..... Mike Hoglund**

Mr. Hoglund noted that while today's presentation was informational in nature, the Draft Enhanced Dry Waste Recovery Project (EDWRP) Ordinance will be sent to SWAC members in advance of the vote at the March SWAC meeting. He handed out a summary of the EDWRP (attached) and highlighted some background and other points from the summary prior to taking questions.

Mr. Hoglund addressed the issue of Metro facilities meeting the same standards. While not regulating itself, an "apples to apples" comparison of Metro's dry loads and those at private facilities will be conducted. Because significant differences exist between Metro's transfer stations and private facilities, most self-haul will be excluded from residual sampling.

Ensuing discussion included potential facility responses to EDWRP requirements, the DEQ's regulation of Metro's stations, how the regulatory process is expected to work prior to the program's implementation, recovery from self-haul loads, and whether facilities that fall under another state's jurisdiction would be permitted to take dry waste.

**V1. State Legislative Update .....All**

Councilor Harrington asked if anyone from the group is involved in any solid waste-related legislative bills this year. Mr. Hoglund said that Metro has not written or sponsored any, but is supporting bills related to e-waste and a revised/ expanded bottle bill.

The DEQ's Audrey O'Brien said that her agency supports electronics recycling and is trying to get some legislation through. They have no formal opinion on the bottle bill, she added, but their director will supply testimony. From the City of Portland, Bruce Walker said that the City supports e-waste efforts and updating the bottle bill. Mr. White added that ORRA has discussed both, and are actively involved in the e-waste issue.

The Association of Oregon Recyclers (AOR) is sponsoring a bottle bill update, Ms. Herrigel said. She is a member of the organization and "very involved." She asked for Metro's strong support on the issue.

**VII. Other Business and Adjourn..... Councilor Harrington**

Councilor Harrington reminded the members to look at the RSWMP timeframe, and said that the DEQ's Waste Prevention Strategy will be discussed at the March meeting to see how SWAC may make comments. The Draft Ordinance for EDWRP will be sent out in two weeks for discussion at the March meeting, as well.

The Councilor thanked the attendees and adjourned the meeting at 11:31 a.m.

Prepared by:

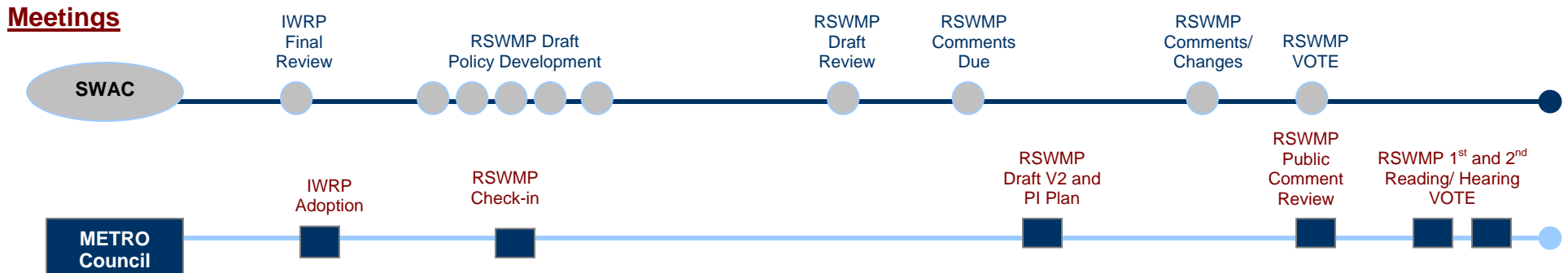
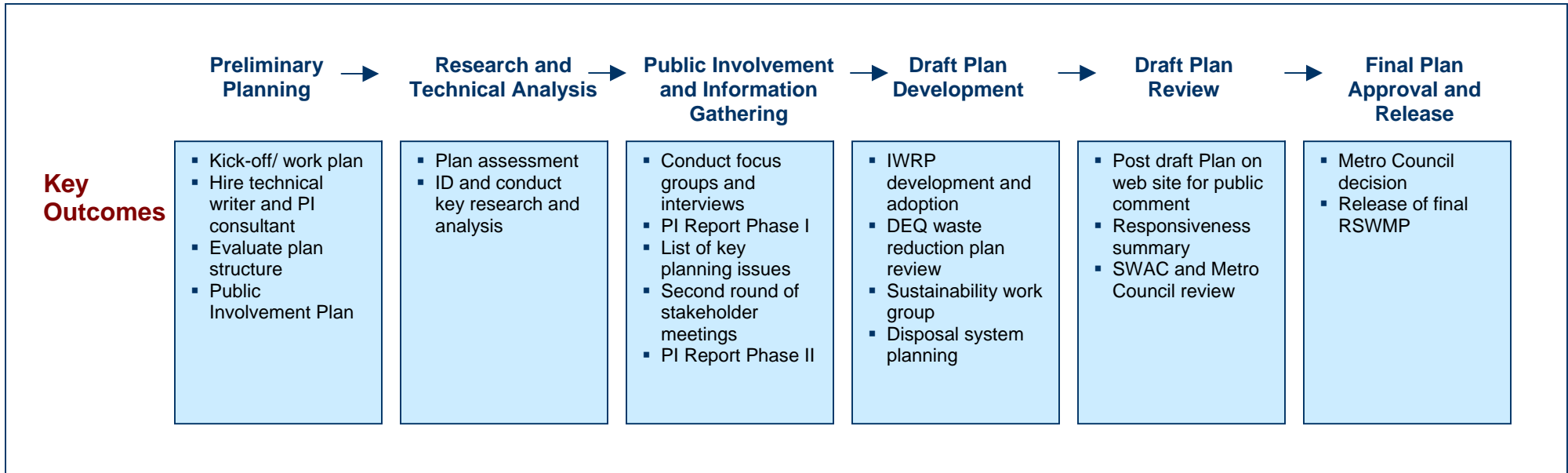
Gina Cubbon  
Administrative Secretary  
Metro Solid Waste & Recycling Department

gbc

Attachments: RSWMP Work Plan Summary (timeline update)  
EDWRP Summary

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# Regional Solid Waste Management Plan Update Project Work Plan Summary (2004 to present)



**ENHANCED DRY WASTE RECOVERY PROGRAM (EDWRP) SUMMARY**  
Regional SWAC, February 22, 2007

**Need/Problem Statement**

Current levels of dry waste recovery must be enhanced to help the region meet its recovery goal for 2009. Unfortunately, the low cost of disposal at two landfills in Washington County will limit any significant increases in the region's dry waste recovery unless all dry waste is required to be processed before being landfilled.

**Council Direction**

In the Fall of 2003, the RSWMP Contingency Plan Work Group came up with two recommendations to increase dry waste recovery:

1. Process all C&D loads before landfilling OR
2. Require that all dry waste be processed before landfilling.

After receiving the work group's recommendations, Council directed staff to develop program details and a strategy to implement the requirement that all dry waste be processed before being landfilled. Towards that end, staff convened two separate work groups comprised of local governments, businesses, construction industry representatives, haulers, dry waste recovery facilities and landfill operators to discuss and provide comment on the details of the program that has become known as "EDWRP."

**Goals of the EDWRP Ordinance**

- Divert 125,000 tons per year (TPY) of highly recoverable, unprocessed mixed dry waste from landfill disposal into dry waste processing facilities, with the goal of recovering wood, cardboard and metal.
- Increase dry waste recovery by at least 30,000 tons per year.
- Motivate generators to source-separate C&D and/or practice deconstruction and salvage of building materials.

**Costs to Facilities and Generators**

EDWRP is likely to increase posted tip fees for dry waste at private facilities throughout the region. The policy is to allow more operating costs to be covered by gate revenue (especially the cost of processing more material with potentially lower recovery content), and to replace revenue lost from the planned elimination of the Metro fee and tax credit programs.

*Dry Waste Facilities:*

Assuming generators in Washington County make no changes in the flow of material to Lakeside and Hillsboro, Metro staff estimate that the tip fee at these facilities could increase by as much as \$18 per ton under EDWRP. Other generators who already take their materials to a dry waste recovery facility could see increases up to \$14 per ton.

*Generators:*

Metro staff studied six types of “typical” construction projects to estimate the likely disposal cost increases for generators as a result of EDWRP:

- Residential kitchen remodel with small addition
- New single family house
- Complete demolition of a single family house
- Residential re-roofing job
- Commercial remodeling project
- New “big-box” commercial retail space.

Cost increases in the residential sector construction projects should be well under \$100 per project; as a function of total project cost they were well under ½ of one percent increase. Residential single family demolition costs increased more than any other project type. Total disposal costs there should increase from \$100 to over \$700 or less than 1 percent to almost 5 percent of the total job cost. Commercial construction project costs for an office remodel should increase from \$20 to over \$200. A large “big-box” retail store should increase between \$200 and \$1,800. Because of the higher overall costs for these commercial projects, the cost increases as a percent of total project cost were small, mostly under .05 percent.

**Environmental Benefits of EDWRP**

The 30,000 tons of new dry waste recovery each year will serve as manufacturing feedstock in some instances, alternative fuel sources in others. In each case, the material recovered reduces the need to extract raw materials, eliminating attendant energy use and pollution associated with virgin material extraction.

As shown in the figure below, the dry waste diverted from landfill disposal and recovered in some fashion will result in a reduction in greenhouse gases, energy consumption and airborne wastes.

**Environmental Benefits of EDWRP\***

<b>ACTION</b>	<b>QUANTITY</b>	<b>EQUIVALENT TO...</b>
Reduce greenhouse gases by	25,931 MTCE (Metric tons of carbon equivalent)	keeping 19,567 cars off the road for a year
Reduce energy consumption by	733,971 Million BTU (British thermal units)	the energy used by 6,977 average households during a year
Reduce airborne wastes by	35,000 tons	21.8 million miles of heavy truck travel

\* These benefits are projected by the National Recycling Coalition Environmental Benefits Calculator.

## **Facility Recovery Standards**

EDWRP would replace the current “front door” 25 percent recovery requirement for dry waste facilities, and implement a new “residual assay” standard that would measure how effective a facility is at recovering wood, corrugated cardboard and metal. No more than 15 percent (by weight) of wood, cardboard and metal pieces (size specified) could be in the sampled residual.

Field research to determine the viability of the 15 percent standard was conducted from 19 dry waste residual pile sorts at seven dry waste sorting facilities in the Fall of 2006. Residual levels of wood, metal and cardboard ranged from 2.8 percent to 63.4 percent with the majority of facilities demonstrating the ability to meet the proposed 15 percent standard.

The residual sort results are summarized in the table below:

**Dry Waste Residual Sampling Results**

<b>Facility, Number of samples</b>	<b>Percent recoverable wood, cardboard and metal (cumulative average)</b>
1. East County Recycling, 2	5.3%
2. Metro South, 3	16%
3. Metro Central, 4	14.8%
4. Pride Disposal, 2	3.2%
5. Troutdale Transfer Station, 3	15.4%
6. Wastech, 3	52.5%
7. Willamette Resources, 2	14.8%

## **Implementation Timeline/Next Steps**

SWAC recommendation on EDWRP	March 2007
Metro Council first reading of EDWRP	April 2007
Metro Council consideration of EDWRP	April 2007
Phase-in of EDWRP	July 2007-Dec. 2008
Full implementation of EDWRP, end of Credit Program	January 2009

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