



**To:** Zero Waste Advisory Commission

**From:** Bob Gedert, Director  
Austin Resource Recovery Department

**Date:** April 11, 2012

**Subject:** **Director's Report**

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***Single-Use Bag Ordinance – Update***

Council Adopted the Single-Use Bag Ordinance on March 1<sup>st</sup>.  
Director Rules are under development and will be completed by June 30<sup>th</sup>. The Rules will define acceptable plastic and paper bags, signage requirements, hardship variance procedures, and exemption definitions. Businesses affected by the ordinance will be notified by letter. Staff is developing a public education plan, which will be presented to ZWAC at the May meeting.

***Master Plan – Implementation Update***

Communications Plan – Staff developing action plan – Recycle Right message  
Reuse Centers – Researching locations and developing contract scope of services  
Composting Incentives – Increased number of composting workshops  
Recycling in Public Places – Researching container styles and potential locations  
Methane Gas Recovery System – Researching options and Developing contract scope  
Resource Recovery Center – Relocating from Landfill to Todd Lane MRF facility  
Clean Austin – Implementing increased services to high-need areas  
Yard Trimmings Collection Program – Developing equipment purchase and deployment plan  
Food Waste Pilots – Researching options and issues with TCEQ and Hornsby Bend Staff  
Waste Composition Studies – Fast Food Study nearly complete – Results to support URO  
Universal Recycling Ordinance – Developing Phase 1 implementation rules  
Single-Use Bag Ordinance – Researching and writing Directors Rules

The final approved Master Plan has been posted on the City website at:  
<http://www.austintexas.gov/news/austin-city-council-approves-30-year-plan-reach-zero-waste>

***Scheduled Council Items***

The SWS Department has the following items scheduled for Council review:

4/05/12 Council Agenda	CAPCOG Grant Application. Council authorized the application and acceptance of \$12,500 in grant funding from the Capital Area Council of Governments (CAPCOG) 2012 Solid Waste Implementation Grant Program.
4/26/12 Council Agenda	Keep Austin Beautiful (KAB) Youth Education Program Contract. \$138,345.00 per year for two years with up to four, one-year extension options for a total of six contract years to preform recycling outreach to Austin youth.

### ***Earth Month Events***

Spring is here and March proved to be an active month. April 22nd is Earth Day, but the entire month of April is recognized by most of the ARR outreach staff as Earth Month. Staff will be participating in or hosting 24 events throughout the month of April:

<b>Date</b>	<b>Time</b>	<b>Event</b>	<b>Services</b>
4-Apr	All day	GoGreen Conference for Businesses	Business Outreach Booth
4-Apr	6pm to 7pm	Composting Class	Education session
7-Apr	9am to 10am	Composting Class: Travis County	Education session: by request
10-Apr	12pm to 1pm	Composting Class: Applied Materials	Education session: by request
11-Apr	6pm to 7pm	Composting Class	Education session
		Small Business Development Program	
12-Apr	3pm to 7pm	Business Resource Fair	Business Outreach Booth
14-Apr	11am to 1:30pm	KAB Clean Sweep	Public outreach booth
14-Apr	11am to 12pm	Composting Class	Education session
14-Apr	8am to 3pm	ARR Road-e-o	Internal staff outreach booth
		Downtown Single Stream Recycling	
16-Apr	11am to 12pm	Press Conference	Press Conference
16-Apr	12pm to 1pm	Composting Class: National Instruments	Education session: by request
16-Apr	6pm to 7pm	Composting Class	Education session
17-Apr	11am to 12pm	Composting Class	Education sessions
		Composting Class: TX Department of	
19-Apr	12pm to 1pm	Transportation	Education session: by request
19-Apr	9:30am to 10am	Catalog Choice Press Conference	Press Conference
19-Apr	11:30am to 1:30pm	Texas Parks & Wildlife Earth Day Event	Public outreach booth
		Composting Class: Doss Elementary PTA	
20-Apr	8am to 9am	Green Team	Education session: by request
21-Apr	1pm to 2pm	Composting Class: Weatsville	Education session: by request
21-Apr	9am to 11am	Composting Class	Education session: by request
22-Apr	12pm to 6pm	Austin Earth Day	Public outreach booth, recycling
25-Apr	12pm to 1pm	Composting Class: TXDOT	Education session: by request
25-Apr	6pm to 7pm	Composting Class	Education session
28-Apr	10am to 2pm	DEA Pharmaceutical Take Back Event	Drop off facility
	11am to 1pm	Composting Classes: MISPA Magallanes	
28-Apr	1pm to 2pm	& MIS Magallanes School	Education sessions: by request

### ***Construction and Demolition Debris Ordinance Update***

During 2011, staff from ARR, Planning and Development Review Department (PDRD), Austin Energy (AE), and Public Works (PW) held meetings to discuss Council's direction to evaluate adoption of a construction and demolition debris (C&D) recycling ordinance. During those discussions, it became immediately clear that Council's interest in requiring C&D recycling of all construction projects in the City would also require cross-coordination among several departments and would most significantly impact the PDRD. Staff committed to continue working with builders, designers and the development community to increase C&D recycling opportunities in the Austin area through increased education, outreach, and promotion.

On September 21, 2011, ARR co-hosted a bus tour of C&D materials processing facilities. Attendees included architects, green builders and construction industry representatives as well as COA staff in ARR, AE Green Building (AEGB), and PW. In addition, staff from the Capital Area Council of Governments (CAPCOG), AEGB, and ARR visited several other C&D processors and large-scale composters to consider including in future C&D public tours. Based on input from the development community and recycling processors, ARR staff will also be meeting with the Texas Commission on Environmental Quality during the week of April 16, 2012 to understand the limitations on recycling sheet rock and other C&D materials in the region.

Staff committed to begin stakeholder discussions in Spring 2013 to develop recommendations, which could include amending the City Code to require C&D recycling of construction projects. Staff will research best practices nationally and use the AEGB Program's current C&D recycling standards as a starting point. Staff would then report back to Council in Fall 2013. Both PDRD and ARR will share responsibility for the stakeholder process.

### ***Big Belly Update***

The last audit on the Big Belly Kiosks was performed the week of 1/22/2012 through 1/28/2012. During this period a total of 1,112.9 pounds of materials were collected. 53% of this material was recycled (596.3 pounds), 10% of the material was considered contaminated (107.1 pounds), and 37% was trash (409.5 pounds).

We have had issues with some of the circuit boards while still under warranty and Big Belly has not always been able to assist us with some of the problems. Also, most of the kiosks are being tagged with graffiti that we are unable to remove. Additionally, we do not feel that we have saved on collection costs; unfortunately volumes are different at kiosk locations and not all receptacles fill up at the same time, which means that we have to service the area every day.

Our overall observation of the Big Belly Kiosks is that they have shown adding recycling receptacles is beneficial. All of our audits have shown a recycling rate of greater than 50%. The compaction portion for garbage has also shown to be beneficial for locations with higher foot traffic as has the wireless function that alerts us when a container is full.

### ***New Staff***

New Employee	Promotions	Notes: Title/ Division
	Jessica Edwards	Financial Consultant to Financial Manager/ Finance
David Dailey		Mail Services Clerk Senior / Customer Service
Vincent Cordova		Administrative Asst./Strategic Initiatives
Ann Sullivan		Public Event Leader/ Strategic Initiatives PIO
Harold Hendricks		Public Event Leader/ Strategic Initiatives PIO
Kevin Haywood		Collections
Jasmin Lee		Collections
William Harder		Litter Abatement
Demetrius Pack		Litter Abatement

***Current and Upcoming Job Postings***

2 Planner Seniors/Planners for Strategic Initiatives  
Contract Administrator  
Assistant Division Manager -Safety  
Division Manager -Safety  
Financial Consultant  
3 Operator Specialists - Litter Abatement

***Performance Measures and Statistical Reports***

See attachments.

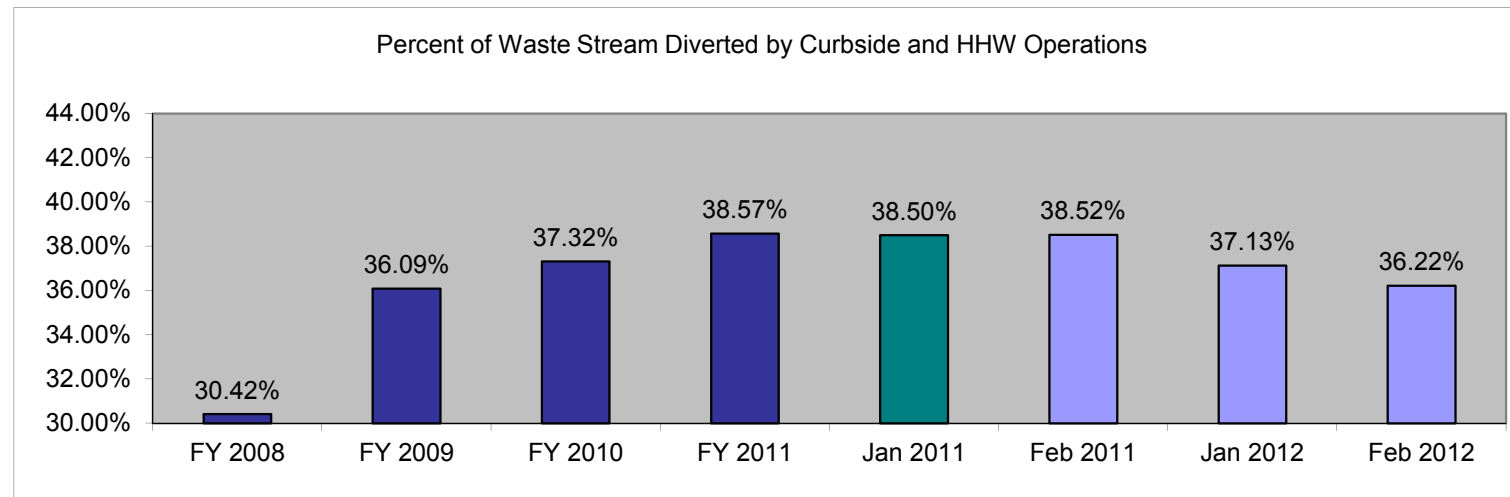
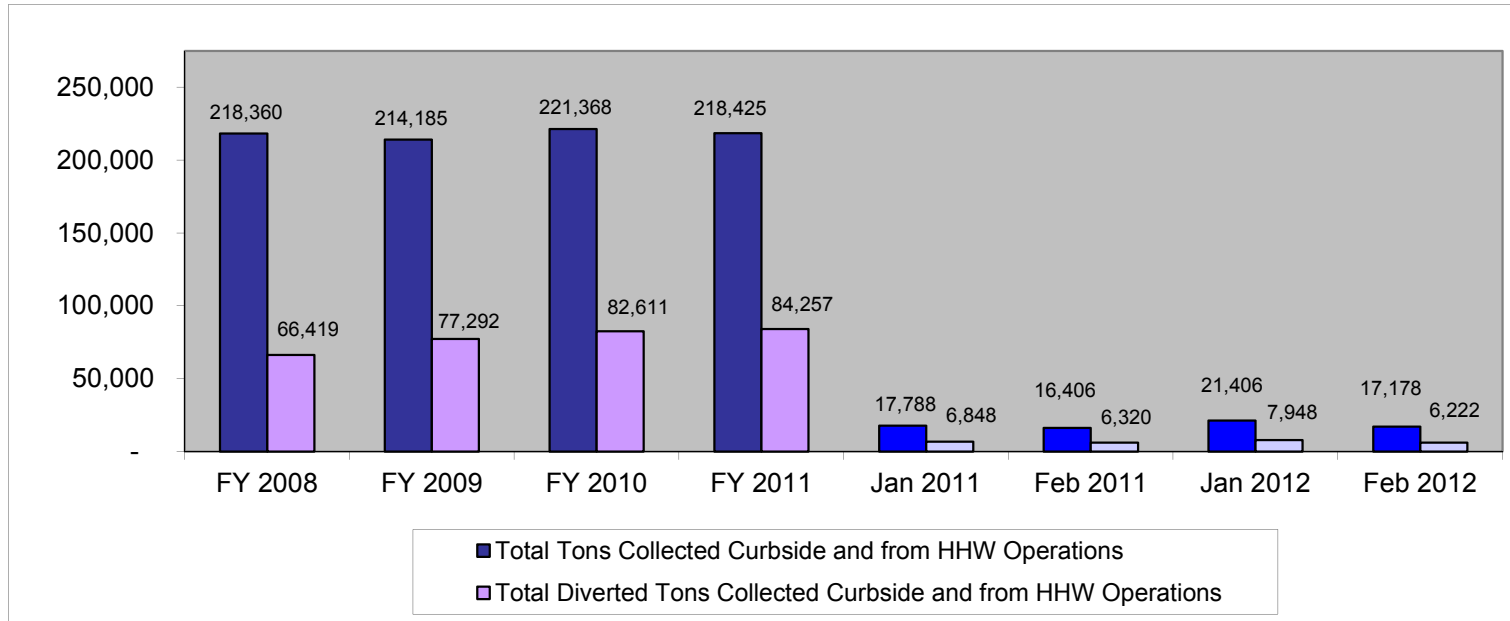
Item of interest:

Declining recycling revenues due to reduced market valuation.  
Year to Date Diversion Rate: 36.58% FY12 Goal: 41.0%  
Pounds Recyclables collected per residential unit: 21.27 lbs.

## Austin Resource Recovery Curbside Collection and HHW Operations

		FY 2008	FY 2009	FY 2010	FY 2011	Jan 2011	Feb 2011	FY11 YTD (Oct '10 - Feb '11)	Jan 2012	Feb 2012	FY12 YTD (Oct '11 - Feb '12)
Tons Disposed	Tons of curbside Garbage	143,950	128,519	130,851	126,497	10,442	9,489	51,407	12,693	10,229	55,038
	Tons of Curbside Bulk Disposed	7,589	8,033	7,516	7,276	470	574	2,647	726	694	3,190
	HHW Operations Tons Disposed	402	341	390	395	28	23	134	39	33	163
	<b>Total Disposed Tons Collected Curbside and from HHW Operations</b>	<b>151,941</b>	<b>136,893</b>	<b>138,757</b>	<b>134,168</b>	<b>10,940</b>	<b>10,086</b>	<b>54,188</b>	<b>13,458</b>	<b>10,956</b>	<b>58,391</b>
Tons Diverted	Tons of curbside recycling	34,691	49,811	52,479	52,236	4,598	3,924	22,019	5,033	4,243	22,938
	HHW Operations Tons recycled/reused	118	114	132	164	11	8	62	13	16	78
	Tons of Curbside Yard Trimmings	24,027	19,497	22,456	24,777	1,849	1,877	8,923	2,466	1,518	8,180
	Tons of Curbside Bulk Recycled	203	187	194	227	38	17	108	25	18	119
	Tons of Curbside Brush Collected	7,380	7,683	7,350	6,853	352	494	2,734	411	427	2,368
	<b>Total Diverted Tons Collected Curbside and from HHW Operations</b>	<b>66,419</b>	<b>77,292</b>	<b>82,611</b>	<b>84,257</b>	<b>6,848</b>	<b>6,320</b>	<b>33,846</b>	<b>7,948</b>	<b>6,222</b>	<b>33,683</b>
<b>Total Tons Collected Curbside and from HHW Operations</b>		<b>218,360</b>	<b>214,185</b>	<b>221,368</b>	<b>218,425</b>	<b>17,788</b>	<b>16,406</b>	<b>88,034</b>	<b>21,406</b>	<b>17,178</b>	<b>92,074</b>
<b>Percent of Waste Stream Diverted by Curbside and HHW Operations</b>		<b>30.42%</b>	<b>36.09%</b>	<b>37.32%</b>	<b>38.57%</b>	<b>38.50%</b>	<b>38.52%</b>	<b>38.45%</b>	<b>37.13%</b>	<b>36.22%</b>	<b>36.58%</b>
<b>Pounds of Garbage collected per customer per pickup</b>		<b>32.14</b>	<b>27.90</b>	<b>27.79</b>	<b>26.70</b>	<b>26.57</b>	<b>24.12</b>	<b>n/a</b>	<b>31.85</b>	<b>25.57</b>	<b>n/a</b>
Number of Garbage customers		172,287	177,156	181,069	182,246	181,492	181,684	n/a	184,070	184,760	n/a
<b>Pounds of Recycled materials collected per customer per pickup (every other week)</b>		<b>15.56</b>	<b>21.61</b>	<b>22.45</b>	<b>22.20</b>	<b>23.57</b>	<b>20.09</b>	<b>n/a</b>	<b>25.44</b>	<b>21.37</b>	<b>n/a</b>
<b>Pounds of Yard Trimmings collected per customer per week</b>		<b>5.39</b>	<b>4.23</b>	<b>4.80</b>	<b>5.27</b>	<b>4.74</b>	<b>4.81</b>	<b>n/a</b>	<b>6.23</b>	<b>3.82</b>	<b>n/a</b>
Number of Recycling and Yard Trimmings customers		171,446	177,267	179,808	180,992	180,220	180,429	n/a	182,727	183,395	n/a
<b>Total tons of Dead Animals Collected from COA rights-of-way and the animal shelter</b>		<b>158</b>	<b>153</b>	<b>142</b>	<b>85</b>	<b>8</b>	<b>6</b>	<b>42</b>	<b>7</b>	<b>6</b>	<b>35</b>

## Austin Resource Recovery Curbside Collection and HHW Operations



**Single Stream Recycling Statistical Report  
as of February 2012**

		Contractor Payments			Landfill Cost Avoidance	
Month	Tons Delivered	Revenue	Processing Cost	Net Amount Due/(Owed)	Per Ton	Total
October-10	4,016.67	\$310,896	\$321,334	(\$10,437)	\$19.94	\$80,092
November-10	4,389.46	\$365,461	\$351,156	\$14,305	\$19.94	\$87,526
December-10	4,972.47	\$450,396	\$397,798	\$52,598	\$19.94	\$99,151
January-11	4,575.35	\$451,982	\$366,028	\$85,954	\$19.94	\$91,232
February-11	3,909.79	\$403,338	\$312,783	\$90,555	\$19.94	\$77,961
March-11	4,531.25	\$488,360	\$362,500	\$125,860	\$19.94	\$90,353
April-11	4,202.05	\$452,813	\$336,164	\$116,649	\$19.94	\$83,789
May-11	4,385.61	\$461,493	\$350,849	\$110,645	\$19.94	\$87,449
June-11	4,436.60	\$458,855	\$354,928	\$103,927	\$20.63	\$91,527
July-11	4,083.74	\$416,007	\$326,699	\$89,307	\$20.63	\$84,248
August-11	4,523.28	\$480,219	\$361,862	\$118,356	\$20.63	\$93,315
September-11	4,316.51	\$445,990	\$345,321	\$100,670	\$20.63	\$89,050
FY11 Totals	52,342.78	\$5,185,811	\$4,187,422	\$998,389		\$1,055,694
October-11	4,181.89	\$415,830	\$334,551	\$81,279	\$20.63	\$86,272
November-11	4,552.52	\$374,040	\$364,202	\$9,838	\$20.63	\$93,918
December-11	4,918.05	\$315,837	\$393,444	(\$77,607)	\$20.63	\$101,459
January-12	5,030.20	\$318,844	\$402,416	(\$83,572)	\$20.63	\$103,773
February-12	4,239.70	\$296,074	\$339,176	(\$43,102)	\$20.63	\$87,465
FY12 Totals	22,922.36	\$1,720,625	\$1,833,789	(\$113,164)		\$472,888

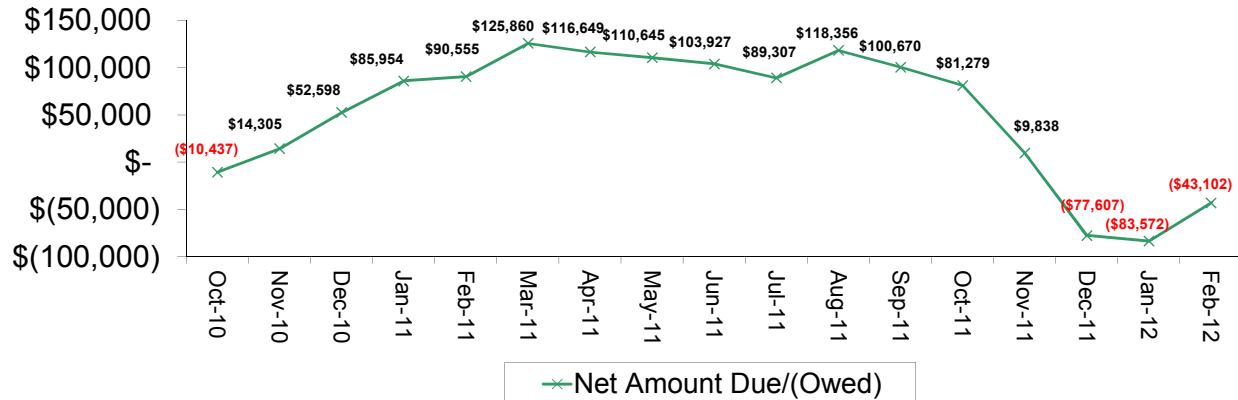
Blended Commodity Values per Ton				
Month	Market Value/Ton	City Value/Ton (80% Market)	Processing Cost/Ton	Net Amount Due/(Owed)/Ton
October-10	\$96.75	\$77.40	\$80.00	(\$2.60)
November-10	\$104.08	\$83.26	\$80.00	\$3.26
December-10	\$113.23	\$90.58	\$80.00	\$10.58
January-11	\$123.48	\$98.79	\$80.00	\$18.79
February-11	\$128.95	\$103.16	\$80.00	\$23.16
March-11	\$134.72	\$107.78	\$80.00	\$27.78
April-11	\$134.70	\$107.76	\$80.00	\$27.76
May-11	\$131.54	\$105.23	\$80.00	\$25.23
June-11	\$129.28	\$103.43	\$80.00	\$23.43
July-11	\$127.34	\$101.87	\$80.00	\$21.87
August-11	\$132.71	\$106.17	\$80.00	\$26.17
September-11	\$129.15	\$103.32	\$80.00	\$23.32
October-11	\$124.30	\$99.44	\$80.00	\$19.44
November-11	\$102.70	\$82.16	\$80.00	\$2.16
December-11	\$80.28	\$64.22	\$80.00	(\$15.78)
January-12	\$79.23	\$63.39	\$80.00	(\$16.61)
February-12	\$87.29	\$69.83	\$80.00	(\$10.17)

Material Composition Percentages					
Material	Date of Waste Stream Audit				
	10/30 & 11/20/2010	2/19/2011	6/18/2011	10/1/2011	1/14/2012
ONP	30.34%	25.89%	21.26%	14.47%	23.36%
OCC	9.58%	13.99%	12.01%	7.12%	11.84%
Mixed Paper	12.99%	14.34%	13.72%	26.00%	15.14%
Tin	1.93%	1.81%	1.65%	1.79%	1.71%
Aluminum	1.28%	0.95%	1.39%	1.33%	0.89%
NHDPE	1.06%	1.16%	1.12%	1.08%	0.95%
CHDPE	1.09%	1.00%	1.07%	1.07%	0.83%
PETE	3.23%	3.30%	3.36%	3.22%	2.07%
Glass	28.64%	26.88%	25.36%	26.17%	25.64%
Residual	7.36%	8.26%	14.86%	13.90%	14.77%
Plastics 3-7	1.97%	1.83%	3.46%	3.06%	2.18%
Other	0.53%	0.59%	0.74%	0.79%	0.62%
	100.00%	100.00%	100.00%	100.00%	100.00%

For Billing Purposes	Used for Oct10 thru Jan11	Used for Feb11 thru May11	Used for Jun11 thru Sept11	Used for Oct11 thru Dec11	Use for Jan12 thru Mar12
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**Single Stream Recycling Statistical Report  
as of February 2012**

### Single Stream Recycling Revenue less Processing Costs



### Single Stream Recycling Blended Commodity Values/Ton

