Citywide Diversion Rate Calculation

Row Ref.	Category/Information Source Landfill	<u>Tons</u>	Table 9 Report Headings	Tons Calculation Note
1	ARR residential trash	130,923	ARR-Collected Materials	144,907 Rows 1-5
2	ARR litter control	450		
3	ARR street cleaning	5,161		
4	ARR bulk (trash)	7,929		
5	ARR HHW properly disposed*	444		
	ARR MRF contamination (at 16%, assuming 50% is not already repo	orted		
6	as landfill tons in LH report)	4,555	Residue-ARR Recycling	4,555 Row 6
7	City of Austin - self-hauled to landfill	11,794	City Departments / Contracts	11,794 Row 7
8	Educational facilities - self-hauled to landfill	2,270	Other Direct Contacts	2,270 Row 8
	Licensed hauler report			
9	Landfill reported	955,114	Licensed Hauler Reports	957,704 Rows 9-10
10	Additional 5% of C&D landfilled	2,590		
11	MRF contamination (at 17% contamination on 134,304 tons, assur 1/3 is not already reported as landfill tons)	ming 7,605	Residue-Licensed Hauler Recycling	7,605 Row 11
	Recycle/Compost/Reuse			
12	ARR residential recyclables, exc. 16% contamination	47,832 Recycle	ARR-Collected Materials	84,150 Rows 12-18
13	ARR Recycle & ReUse Center - recycling	474 Recycle		
14	ARR tires	188 Recycle		
15	ARR HHW recycled/reused	302 Recycle		
16	ARR bulk (recycled/reused)	163 Recycle		
17	ARR carts recycled	198 Recycle		
18	ARR residential organics	34,992 Compost		
19	Ecology Action recycling drop-off	1,484 Recycle	City Departments / Contracts	45,055 Rows 19-30
20	City departments - metals self-hauled	177 Recycle		
21	City departments - tires	45 Recycle		
22	ARR residential organics pilot	4,275 Compost		
23	City of Austin - facilities recycling	338 Recycle		
24	City of Austin - waste oil and filters	182 Recycle		
25	Austin Materials Marketplace	94 Reuse		
26	City of Austin - shredded paper	66 Recycle		
27	City of Austin - tree trimmings	2,500 Compost		
28	City of Austin - Green Building, commercial and multi-family C&D	6,500 Recycle		
29	City of Austin - asphalt and concrete recycling	8,540 Recycle		
30	City of Austin - Austin Airport - not included in hauler tonnage	20,853 Recycle		
31	Compost 1	140 Compost	Other Direct Contacts	58,560 Rows 31-65

32	Reuse 1	33,490	Reuse
33	Recycle 1	3,229	Recycle
34	Recycle 2	600	Recycle
35	Reuse 2	39	Reuse
36	Recycle 3	41	Recycle
37	Recycle 4	960	Recycle
38	Recycle 5	168	Recycle
39	Recycle 6	531	Recycle
40	Reuse 3	441	Reuse
41	Recycle 7	13	Recycle
42	Compost 2	1,300	Compost
43	Reuse 4	445	Reuse
44	Recycle 8	1,400	Recycle
45	Recycle 9	843	Recycle
46	Reuse 5	1,693	Reuse
47	Recycle 10	31	Recycle
48	Recycle 11	1,232	Recycle
49	Reuse 6	15	Reuse
50	Reuse 7	282	Reuse
51	Reuse 8	2	Reuse
52	Reuse 9	428	Reuse
53	Reuse 10	1	Reuse
54	Reuse 11	2	Reuse
55	Reuse 12	2,657	Reuse
56	Reuse 13		Reuse
57	Reuse 14	150	Reuse
58	Reuse 15	2	Reuse
58a	Reuse 16	2,104	Reuse
59	Reuse 17	1,326	Reuse
60	Reuse 18	357	Reuse
61	Recycle 12	176	Recycle
62	Reuse 19	2,909	Reuse
63	Recycle 13	1,433	Recycle
64	Reuse 20	76	Reuse
65	Recycle 14	37	Recycle
	Licensed Hauler Reno	art	

Licensed Hauler Report

66	Recyclables reported, exc. 17% contamination on 134,343 tons	285,246 Recycle
67	Organics reported	123,143 Compost
68	Additional 5% of C&D recycled	5,013 Recycle

69	Additional 45% of landscapers organics composted	11,939 C	Compost		
70	ADP recycling quantity	159,144 F		ADP Reports	159,144 Row 70
71	Extrapolated reuse quantity from random business survey	3,082 F	-	Random Biz Survey	30,219 Rows 71-72
72	Extrapolated recycling quantity from random business survey	27,137 F	Recycle	·	
	Reduction				
73	Backyard composting	282		Backyard composting	282 Row 73
74	Grasscycling	12,545		Grasscycling	12,545 Row 74
75	Mulching/wood chipping	730		Mulching/wood chipping	730 Row 75
76	Extrapolated reduction quantity from random business survey	1,676		Random Biz Survey	1.676 Row 76
77	ADP reduction quantity	556		ADP Reports	556 Row 77
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	Summary				
78	Landfill	1,128,835	58.0%		Rows 1-11
	Recycling/Composting/Reuse				Rows 12-17, 19-21, 23- 24, 26, 28-30, 33-34, 36- 39, 41, 44-45, 47-48, 61,
79	Recycling	574,578	29.5%		63, 65-66, 68, 70, 72 Rows 18, 22, 27, 31, 42,
80	Composting	178,289	9.2%		67, 69 Rows 25, 32, 35, 40, 43,
81	Reuse	49,602	2.5%		46, 49-60, 62, 64, 71
82	Reduction	15,789	0.8%		Rows 73-77
83	Total Generation	1,947,092	100.0%		Rows 78-82
					Sum of rows 79-82
84	Diversion Rate	42.0%	42.0%		divided by Row 83
		818,258			
	Disposal Rate Calculation				
	Austin Population (2014 Census Estimate)	912,791			
	Generation rate	11.7 p	ounds per cap	ita per day	
	Austin disposal rate	6.8 pounds per capita per day			
	ARR-collected disposal rate	0.9			
	Non-ARR-collected disposal rate	5.9			
	CAPCOG Population (2014 Census Estimate)				
	Bastrop	78,069			
	Blanco	10,812			
	Burnet	44,943			
	Caldwell	39,810			
	Fayette	24,833			

Hays	185,025
Lee	16,742
Llano	19,510
Travis	1,151,145
Williamson	489,250
Total Population, CAPCOG region	2,060,139
CAPCOG disposal rate	5.7 pounds per capita per day

Notes:

TCEQ report from CAPCOG landfills = 2,104,062 tons; CAPCOG population (2010) = 1,830,003, Austin population (2010) = 815,260 or 45% of CAPCOG Mulching/wood chipping: assume landscapers chip additional 5% of amount generated (2,653 tons reported + 11,939 tons estimated)

*HHW dropped at the Recycle & Reuse Drop-off Center is disposed of properly, it is listed under Landfill here simply for ease of totaling the disposal categories.

Citywide DiversionStudy Raw Data

Row Ref.		Facility/Location/Information Source	<u>Tons</u>
18	Compost	ARR residential organics	34,992
22	Compost	ARR residential organics pilot	4,275
27	Compost	City of Austin - tree trimmings	2,500
31	Compost	Compost 1	140
42	Compost	Compost 2	1,300
67	<u>Compost</u>	Hauler Report - Organics reported	123,143
69	Compost	Hauler Report - Additional 45% of landscapers organics composted	11,939
1	<u>Landfill</u>	ARR residential trash	130,923
2	<u>Landfill</u>	ARR litter control	450
3	<u>Landfill</u>	ARR street cleaning	5,161
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8	<u>Landfill</u>	Educational facilities - self-hauled to landfill	2,270
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10	<u>Landfill</u>	Hauler Report - Additional 5% of C&D landfilled	2,590
11	<u>Landfill</u>	Hauler Report - MRF contamination (at 17% contamination on 134,304 tons, assun	7,605
12	Recycle	ARR residential recyclables, exc. 16% contamination	47,832
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73	<u>Reduction</u>	Backyard composting	282
74	Reduction	Grasscycling	12,545
75	Reduction	Mulching/wood chipping	730
76	Reduction	Extrapolated reduction quantity from random business survey	1,676
77	Reduction	ADP reduction quantity	556
25	Reuse	Austin Materials Marketplace	94
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52	Reuse	Reuse 9	428
53	Reuse	Reuse 10	1
54	Reuse	Reuse 11	2
55	Reuse	Reuse 12	2,657
56	Reuse	Reuse 13	7
57	Reuse	Reuse 14	150
58	Reuse	Reuse 15	2
58a	Reuse	Reuse 16	2,104
59	Reuse	Reuse 17	1,326
60	Reuse	Reuse 18	357
62	Reuse	Reuse 19	2,909
64	Reuse	Reuse 20	76
71	Reuse	Extrapolated reuse quantity from random business survey	3,082

Notes:

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